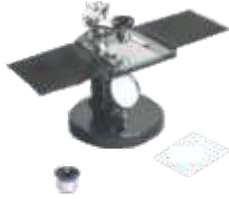


### 1. Dissection Microscope-Order Code - TC7001

Versatile instrument for demonstration, close study of small organism and for dissection work, optical performance and mechanical precision of highest quality combined with the utmost stability in any environment.



#### Features

- Stable cast iron round base.
- Wide glass stage, has two springs clips. Detachable hand rests on both sides provide support for hands during dissection.
- By rack & pinion mechanism operated by knobs on both sides
- By Plano-concave reflector below stage provide sufficient illumination in day light or under artificial light.
- 10x and 20x mounted on jointed arms allowing the whole area to be scanned.
- 10x and 20x Magnification
- All Brass Chrome Plated Parts like pipe, knobs & Lens holding arm.
- Overall height 180mm. Stage 90x95mm.

### 2. Dissection Microscope (Entomological)- Order Code - TC7003

Heavy round base with a precisely designed body, providing convenience for easy lifting and movement. Sensitive focusing is done by rack & pinion moving on a lapped dovetailed guide way with a stopper to limit the downward movement. A joint Revolving Arm is provided for moving high eye point lenses over full area of the stage. It is easily replaceable by a special BULL EYE LENS 83mm diameter, to increase the field of vision. A Planoconcave mirror below the stage provides sufficient illumination in day light or under artificial light. Complete packed in a sturdy wooden carrying cabinet, with provision for placing the hand-rest, Bull Eye lens.



**Optics :** Eyepieces 10x and 20x & Special Bull Eye Lens 83mm diameter.

**Object Stage Size :** 100mm x 100mm with glass plate. Packed in Wooden Box

### 3. Student Microscope With IRIS Diaphragm- Order Code - TC7007

U-shaped well balanced heavy base with 90° inclinable body. Stage 110x110mm with 2 stage clips. Separate coarse & fine focusing knob for body tube. Coarse focusing by rack & pinion mechanism with rack stop to prevent damage to slides. Triple revolving nose piece with accurate paracentring and identical repeated settings. Illumination is by



Note: Specifications are subject to change.

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Plano concave mirror of 50mm diameter. Stage is fitted with iris diaphragm to control the aperture.

#### Optical Combination :

Objectives : Achromatic 10x & 40x (SL)

Eyepieces : WF 10x & Huygenian 15x

Comes in shock proof styrofoam packing inside an attractive and thick printed cardboard box.

### 4. Spare Plywood Box-Order Code - TC7008

Please add extra for Plywood storage box with sunmica clad front door for above microscope.

### 5. Student Microscope-Order Code - TC7009

#### Optical Combination - TC7009A

Objectives : Two **standard** achromatic par focal objectives 10x and 40x(SL).

Eyepieces : WF 10x and Huygenian 15x

#### Optical Combination - TC7009B

Objectives : Two **coated** achromatic par focal objectives 10x and 40x(SL).

Eyepieces : WF 10x and Huygenian 15x

#### Accessories

1. Cleaning Cloth.
2. Vinyl Cover.
3. Blue Filter.
4. Lens Paper, free of dirt.
5. Cleaning Brush.
6. One Year Warranty Card.
7. Illustrated Multi-Colored Working Manual.
8. Working Microscope CD in 3D animation.
9. LED Microscope Lamp.



### 6. Junior Medical Microscope-Order Code - TC7011 Junior Medical Microscope works in its unique way

• Two Achromatic parfocal objectives 10x & 40x (SL). Wide Field Eyepiece 10x & Huygenian eyepiece 15x.

• Fine Focusing by screw lever mechanism having a graduated knob with sensitivity 0.002mm.

• Fixed Square Stage 120x120 mm with newly developed spring stage clips.

• Special Silicon Rubber feet prevents scratches & provide positive grip for life long.

• Rack and Pinion coarse adjustment.

• Double lens Abbe condenser, N.A. 1.25 with iris diaphragm can be move up & down by knob on lower left side.

• Plano Concave Mirror Illuminator.

• Magnification 100x to 600x.

• LED Microscope Lamp.



#### Optical Combination-TC7011A

Objectives : Two **standard** achromatic par focal objectives 10x and 40x(SL).

Eyepieces : WF 10x and Huygenian 15x

#### Optical Combination-TC7011B

**Objectives** : Two **Coated** achromatic par focal objectives 10x and 40x(SL).

Eyepieces : WF 10x and Huygenian 15x

#### 7. Medical Microscope-Order Code - TC7015

##### How Medical Microscope works in its unique way

- Strain free & Antifungal Wide Field Eyepiece 10x .
- Huygenian Eyepiece 6x
- Four standard achromatic par focal objectives 4x, 10x , 40x(SL) and 100x(SL) Oil Immersion.
- Available with locked-in stage clips with attachable graduated mechanical stage.
- Separate coarse & graduated fine motion with sensitivity 0.002mm.
- Double lens Abbe condenser, N.A. 1.25 with iris diaphragm and filter holder, focusable by rack & pinion movement by knob on lower left side.
- 50mm plano concave mirror (interchangeable with electric illuminator)
- LED Light source.
- Mechanical Tube Length 160 + 2mm.

#### Optical Combination-TC7015A

**Objectives** : Four **Standard** achromatic par focal objectives 4x, 10x, 40x(SL) & 100x.

Eyepieces : WF 10x and Huygenian 6x.

#### Optical Combination-TC7015B

**Objectives** : Four **coated** achromatic par focal objectives 4x, 10x, 40x(SL) & 100x.

Eyepieces : WF 10x and Huygenian 6x.

#### Accessories

1. Cleaning Cloth.
2. Vinyl Cover.
3. Blue Filter.
4. Lens Paper, free of dirt.
5. Cleaning Brush.
6. One Year Warranty Card.
7. Illustrated Multi-Colored Working Manual.
8. Working Microscope CD in 3D animation.
9. LED Microscope Lamp.

#### 8. Advance Binocular Microscope-Order Code - TC7026

This microscope offers more feature, higher quality and better performance than any other educational microscope in its class. This affordable larged sized student proof microscope giving better optical result to meet the demand of Education, Medical & Industry.

#### Features

Note: Specifications are subject to change.

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Website: www.tescaglobal.com

#### Optical System :

- Coated WF 10x & Huygenian 6x eyepiece.
- 45° Inclined Binocular Head.
- JIS Standard Coated Achromatic par focal objectives 4x, 10x, 40x(SL) & 100x(SL) (High performance objectives).

#### Stage :

- Double plate stage size 140mm x 140mm, X/Y travel range 90mmx65mm. Low drive right side movement controls. Ceramic surface for scratch resistance. Double specimen holder clip

#### Illuminator :

- LED illumination fitted directly under the field lens, operate through solid state variable controlled transformer.

#### Focusing :

- Low Position coarse & fine focusing controls
- Stage moves up or down, eyepiece and body remain fixed.

#### Frame :

- Built of Aluminium cast metal with a staple gray finish and heavy base with electrical fittings results in stable viewing.

#### Reflector :

- Spare attachable reflector for use in case electricity is not available.

#### 9. Co-axial Microscope-Order Code - TC7035

##### Viewing Head :

Binocular head inclined at 45° & rotatable through 360° attached to the microscope stand by means of a clamp screw, precisely adjusted for easy operation and stops in any direction.

##### Optics :

Ball Bearing Quadruple NOSE PIECE has a wide knurled gripping surface for easy rotation. New 45 mm Par focal distance objective system DIN size SEMI PLAN coated objectives 4x, 10x, 40x(SL) & 100x(SL) along with HKWF 10x provides a flatter image, better resolution and Par focality.

##### Co-axial Coarse and Fine Focusing Knobs :

The precision Focusing mechanism is designed for frequent use & also provides a smooth adjustment of focus. The coarse focus is with adjustable tension device.

##### Mechanical Stage:

Double plate stage size 140mm x 140mm, X/Y travel range 90mmx65mm. Low drive right side movement controls.

Ceramic surface for scratch resistance. Double specimen holder clip

##### Condenser:

Abbe type N.A. 1.25 condenser with iris diaphragm and swing-out filter holder, focusable by rack & pinion. The condenser is carried in a centering adjustable mount and



interchangeable with professional accessories like Dark Field Condenser and Phase Turret Condenser.

**Illuminators:**

LED illumination provides higher level of illuminator for different types of applications. Independent on-off switch & light intensity control are provided for professional and practical use.

**10. Binocular Microscope-Order Code - TC7045**

The future of class room microscopy with crisp sharp image, very much convenient in working, easy to move, light weight, durability, ergonomic design and affordable prices.

It became an ideal instrument for school labs, medical institutes, colleges and universities.



**Specifications**

- Viewing head : Inclined sliding type Binocular Head
- Eyepiece : Paired Wide Field Eyepiece WF 10x/18 Paired Eye-piece 5x Huygenian
- Objectives : Semi-Plan 4x,10x,40x(SL) & 100x (SL) Oil Immersion.
- Nose-piece : Quadruple Nosepiece
- Mechanical Stage : Double plate stage size 140mm x 140mm, X/Y travel range 90mm x 65mm. Low drive right side movement controls. Ceramic surface for scratch resistance. Double specimen holder clip
- Condenser : Abbe N.A 1.25 with Iris Diaphragm
- Filter : Frosted White Filter
- Illumination : LED Illumination, Brightness Adjustable
- Light Source : Plano-concave Mirror
- Carrying Case : Styrofoam Packing with standard accessories.

**11. CO-AXIAL BINOCULAR MICROSCOPE- Order Code - TC7050**



**Specifications**

- Optical System : Finite optical system
- Stand : Sturdy stand with anti rust materials.
- Magnification : 40x to 1000x for visual observation
- Eyepiece tube : Binocular head 30° , 360°

Note: Specifications are subject to change.

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- Eyepiece : rotatable, IPD 55mm-75mm
- : Wide field eyepiece 10x,FQV 18mm,antifungal coated.
- Nosepiece : Upright, quadruple nosepiece (Ball bearing type) with click stops
- Mechanical Stage : Double plate stage size 140mm x 140mm, X/Y travel range 90mmx65mm. Low drive right side movement controls. Ceramic surface for scratch resistance. Double specimen holder clip
- Objectives : DIN Semi plan Achromatic objectives 4x (N.A.0.10, W.D 25mm), 10x (N.A 0.25, W.D.6.7 mm), 40x (SL,N.A.0.65, W.D 0.6mm) and 100x (SL), (N.A 1.25, W.D 0.17mm) antifungal, antireflection coated.
- Condenser : Abbe condenser NA 1.25 with aspheric lens, Iris diaphragm with Frosted white filter, Rack and pinion movement on stainless steel guides.
- Coarse and fine : Co-axial coarse and fine focusing on gear systems for smooth operation. Fine adjustment 0.2mm/rotation with maximum 2 micron scale increment.
- Illumination : LED 3.3W 3V illumination with variable control upto 100,000 hours of LED life.

**12. Imported Binocular Microscope- Order Code - TC7052**



**Specifications**

- Viewing Head : Binocular inclined at 45°. rotatable 360°.
- Eyepiece : Wide Field Eyepiece 10x
- Objectives : Anti fugal DIN Achromatic objectives 4x, 10x, 40x(SL) & 100x(SL)
- Nosepiece : Smooth Quadruple revolving nosepiece with rubber grip
- Mechanical Stage : Smooth Co-axial double plate mechanical stage 140 x 130 mm
- Focusing Range : Smooth Co-axial coarse and fine adjustment 2 micron
- Illumination : LED Lamp, brightness adjustable.

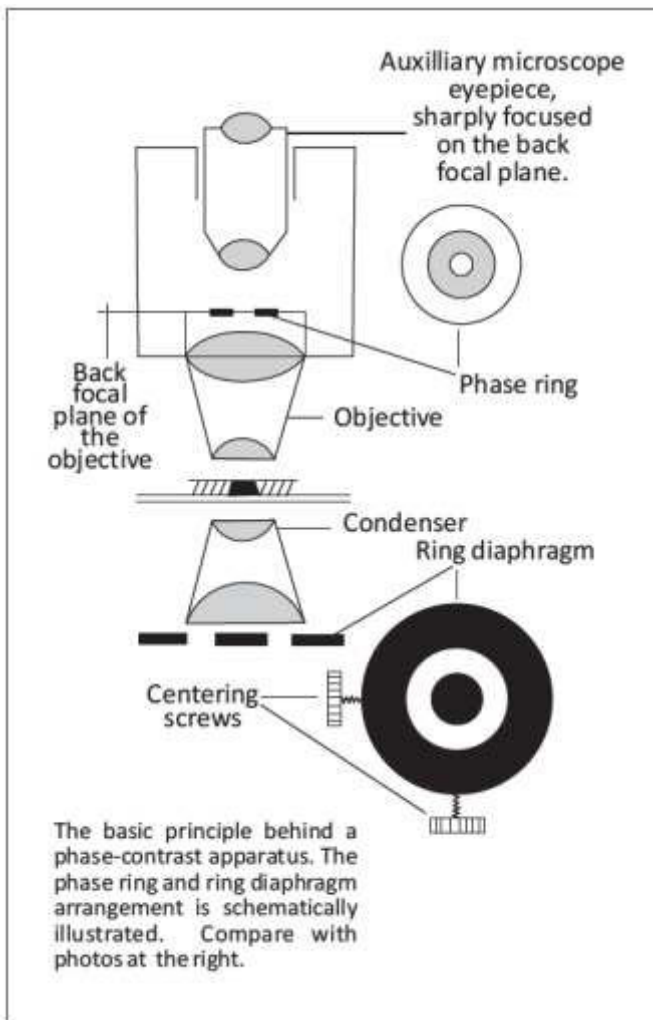
Packaging : Packed in STYROFOAM moulded box.

**13. Phase Contrast Equipment-  
Order Code - TC7055**

Phase contrast provides clear contrast of specimen without dying and therefore useful for observing alive or transparent specimens.



Equipped with set of four phase plan achromat objectives with phase annular rings built inside matching with annular phase plates. It includes achromat objectives 10x phase, 20x phase, 40x phase & 100x phase along with centering telescope eye piece & green glass filter.



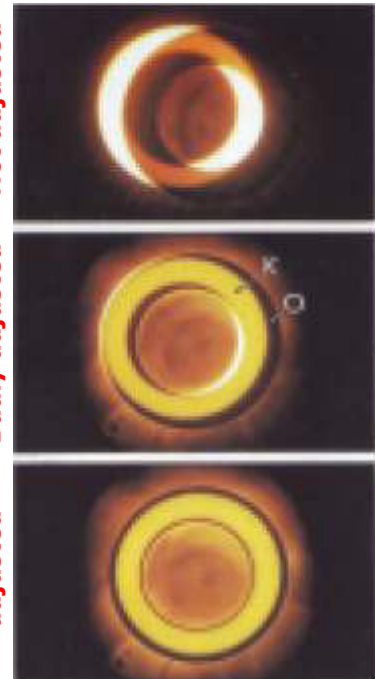
Pictures of a condenser-ring diaphragm (K) and a phase ring (O) at the back focal plane of the objective, photographed with the help of a centering telescope, a special eyepiece.

Note: Specifications are subject to change.

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Not adjusted  
Badly adjusted  
Precise, concentrically adjusted



Such an adjusting procedure should be repeated every time an objective or condenser is changed, because improperly adjusted equipment results in poor images.

**14. Advance Stereo Microscopes-  
Order Code - TC7060**

Tesca Advanced Stereo Microscope, affords viewing comfort, reduces eyestrain, and most of all provides a sharp, clear image of the specimen. Starting with heavy, all metal construction and a baked on reagent resistant finish, this Stereo

Microscopes incorporate advanced optics to deliver better magnification and a critically clear image. Achromatic Objectives are housed in a smoothly rotating turret and are Para focal for quick changes in magnification ranges.



**Features**

- Binocular head inclined at 45°.
- Paired 10x WIDE FIELD EYE PIECE.
- Choice of objectives, combination of either 2x and 4x or 3x and 5x (Choice is yours)
- Rack & pinion focus control with slip clutch protection & positive stops.
- Control Knob on base allows selection of incident, transmitted or simultaneous lighting.
- Rectangular stage with 75mm diameter frosted glass insert.
- Supplied in a wooden storing cabinet.

**Specifications :**

<b>Item</b>	<b>: Description</b>
Stand	: Dual Light, Stable stand
Eye Tube	: 45° Inclined Binocular Head
Eyepiece	: WF 10x or WF 15x (Choice is yours)
Objectives	: Paired 2x-4x or 3x-5x resolving on turret Mount with quick indexing
Illumination	: Incident light 6V-25W auto bulb and transmitted light 6V-25W auto bulb
Focus	: Focussing Knob on stage

**15. Stereo Zoom Microscope-  
Order Code - TC7065**

Smooth focus control and a fluid 0.7x – 45x Greenough zoom system guarantee stress free operation with minimal wear and tear to gears. Excellent image quality and optical performance with infinity parallel Optics systems. Comfortable Operation with Ergonomic Design principle with LED light for both incident and transmitted illumination, Providing even illumination and life expectancy can reach 6000 hours. A wide range of Accessories to be equipped with the Microscope for Multi-purpose. It is an outstanding assistance Industrial, Medical and Scientific Research Areas.


**Specifications**

Optical system	: Greenough
Zoom Ratio	: 1 : 6.4
Eyepiece	: Wide field 10x/20mm, (interchangeable), 53-75mm IPD
Stand	: Dual Light stand
Viewing Body	: Integrated Binocular, 45°
Working distance	: 110mm
Magnification Range	: 7x to 45x continuous (with 10x eyepiece)
Object field diameter	: 6.6 to 28.5mm
Illumination control	: Incident/Transmitted ("Oblique") Setting )/ Combined illuminated
Incident light method	: LED 32 Nos, 3.3W with intensity control
Transmitted light	: 3.3W LED 48 Nos, Diffused Super bright glow screen, low heat emissions.
LED service life	: Approx 6,000 hours.
Light quality	: Homogeneous daylight (6500°K), Free of UV na Dir
Power supply	: Universal 110V-240V ,50/60 Hz integrated power supply with voltage flux stabilizer.
Packaging	: Packed in Styrofoam moulded box.

Note: Specifications are subject to change.

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**Optional Accessories**

- Pointer and micrometer Reticules
- Polarizing Kit
- 0.5x, 1.5x or 2.0 auxilliary objective
- SWF 15x or SWF 20x eyepiece
- Trinocular Head
- Digital Camera with adapter
- Dark field with tweezer
- Built-in battery back up system 6hrs
- Fluorescent attachment kit
- External LIGHT Source.

**16. Digital USB CMOS Microscope Camera-  
Order Code - TC7070**

Turn any microscope into a digital microscope with digital USB CMOS microscope camera of 2 mega pixels.



We are supplying above two cameras with latest Calliper plus Software whose details are given below.

**Details of Calliper Plus Software**

The software is powerful for acquiring, storing, retrieving any image. It handles different image formats BMP, TIFF, IMG, IMF, GIF, PCX, JPEG, PIC. It supports many cameras, frame grabbers and other USB-2 & Twain input devices.. Cut, copy, paste, Selected Copy by free hand AOL, controlled by four arrow key available in keyboard and mouse with zoom preview. Flood fill or spray with selected color are selected portion. Drawing tool curve, line square and circle, with node control and provision to change color and thickness of the line. write text in any color or font. Pointer to place on an object in four directions with provision to change color and thickness. Eraser works only on lines, arrows or any drawing tool. (Not on original image). Useful to merge different focuses on same image.

- (A) Spairtial calibration
- (b) Line measurement for distance .Length, width, perimeter, angle, Three point radius
- (C) Area by enclosed line control by four arrow keys available on the keyboard arrow with zoomed preview. The line measurement is not effected on zoomed images.

**Reporting has three options :**

- Direct print out digital image and tabular result.
- Export to MS Office
- Excel for further modification.

**Features**

- 2.0 megapixels with progressive scanning CMOS image sensor.
- No compression, no interpolation.
- Support still image capture(JPG,BMP)
- Standard C-Mount makes connection to any

- microscope easy. Macro lens setups are also supported.
- Resolution: 1600 X 1200 (8bit); 480 Mibt/Sec, DC5V±5%
  - Pixel size : 3.4µm X 3.4µm.
  - Frame Rate 10fps @1600 x 1200
  - 30 fps@640 X 480 Auto White Balance.
  - Shutter Electronic 10µs–32ms, Auto exposure
  - Operating Temp: 0°C ~ 60°C

### 17. Digital USB CMOS Microscope Camera- Order Code - TC7071

Turn any microscope into a digital microscope with digital USB CMOS microscope camera of 5 mega pixels.



We are supplying above two cameras with latest Calliper plus Software whose details are given below.

#### Details Of Calliper Plus Software

The software is powerful for acquiring, storing, retrieving any image. It handles different image formats BMP, TIFF, IMG, IMF, GIF, PCX, JPEG, PIC. It supports many cameras, frame grabbers and other USB-2 & Twain input devices. Cut, copy, paste, Selected Copy by free hand AOL, controlled by four arrow key available in keyboard and mouse with zoom preview. Flood fill or spray with selected color are selected portion. Drawing tool curve, line square and circle, with node control and provision to change color and thickness of the line. Write text in any color or font. Pointer to place on an object in four directions with provision to change color and thickness. Eraser works only on lines, arrows or any drawing tool. (Not on original image). Useful to merge different focuses on same image.

- (A) Spairtial calibration
- (b) Line measurement for distance .Length, width, perimeter, angle, Three point radius
- (C) Area by enclosed line control by four arrow keys available on the keyboard arrow with zoomed preview. The line measurement is not effected on zoomed images.

#### Reporting has three options :

- Direct print out digital image and tabular result.
- Export to MS Office
- Excel for further modification.

#### Features

- 5.0 megapixels with progressive scanning CMOS image sensor.
- No compression, no interpolation.
- Support still image capture(JPG,BMP)
- Standard C-Mount makes connection to any microscope easy. Macro lens setups are also supported.

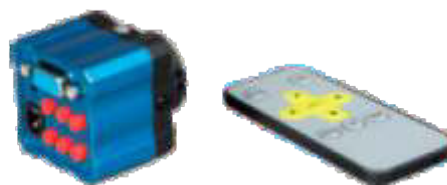
Note: Specifications are subject to change.

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- Resolution: 2592 X 1944 (8bit); 480 Mibt/Sec, DC5V±5%
- Pixel size : 2.2mm X 2.2mm.
- Frame Rate 0.8fps@2592 X 1944
- 30 fps@640 x 480 Auto White Balance.
- Shutter Electronic 10µs–32ms, Auto exposure
- Operating Temp: 0°C ~ 60°C

### 18. Projection Camera-Order Code - TC7072



#### Features

- Sensor : 3 Mega pixel (Aptina USA)
- Sensor size : ½ inch
- Resolution : 2048X1536
- Output Interface : VGA Output
- Frame rate : 35 frames/Second
- Lens mount : C/CS
- White balance : Manual adjustment

Supplied with Capture Pro Software & 0.5x Reduction Lens

### 19. Standard Achromatic Objectives- Order Code - TC7185

For use with Tesca, Student Junior & Medical Microscope. There is a ring provided in the high power objectives by moving this ring up or down, you can increase the length of 40x (SL) & 100x (SL) objectives, thus adjust the par focal.

These objectives are designed on JIS standard (Japanese Standard, 36mm Par focal distance).

Order Code	Description
TC7185A	4X (0.10)
TC7185B	10X (0.25)
TC7185C	40X (0.65) SL
TC7185D	100X (1.25) SL



### 20. Coated Achromatic Objectives- Order Code - TC7186

All objectives in this category are JIS Standard (36mm Par focal distance) as per TC7185. The only difference is these objectives are AR(Anti reflection coated). This reduces the loss of light caused by reflection by entrances lens surfaces, thus enhancing the brightness.

Order Code	Description
TC7186A	4X (0.10)
TC7186B	10X (0.25)
TC7186C	40X (0.65) SL
TC7186D	100X (1.25) SL

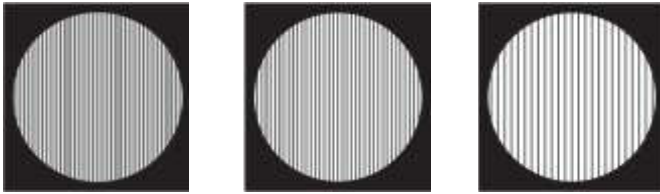


**21. Spare Din Size Coated Achromatic Objectives- Order Code - TC7187**

Spare 45mm par focal distance DIN Size objectives for Co-axial microscopes (DIN- DEUTSCHE INDUSTRIE NORM).

Order Code	Description
TC7187A	4X (0.10)
TC7187B	10X (0.25)
TC7187C	40X (0.65) SL
TC7187D	100X (1.25) SL

**FLAT FIELD CORRECTION :**



**Achromatic 65% (Left)  
Vs.  
Semiplan 80% (Centre)  
vs.  
Plan 90% (Right)**

Achromatic objectives have a flat field in the center 65% of the image. Plan objectives correct best overall and display better than 90% of the field flat and in focus. Semi-plan objectives are intermediate to the other two types with 80% of the field appearing flat.

**22. Semi Plan Achromatic Objectives- Order Code - TC7188**

Spare 45mm par focal distance DIN Size objectives for Co-axial microscopes (DIN- DEUTSCHE INDUSTRIE NORM).

Order Code	Description
TC7188A	4X (0.10)
TC7188B	10X (0.25)
TC7188C	40X (0.65) SL
TC7188D	100X (1.25) SL



**23. Spare Huygenian Eye Piece- Order Code - TC7190**

Design consist of two Plano convex lens positioned with both convex faces towards the object. Designed for use with low power achromatic objectives.

Order Code	Description
TC7190A	10X
TC7190B	15X
TC7190C	6X



**24. spare Pointer Eye Piece-Order Code - TC7191**

Note: Specifications are subject to change.

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Spare Huygenian Eyepiece 10x or 15x or 5x accurately centered & fitted with fine pointer. Supplied in velvet case.

Order Code	Description
TC7191A	10X
TC7191B	15X
TC7191C	6X



**25. Wide Field Eye Piece-Order Code - TC7192**

The antifungal Wide field eyepiece has a large field of view and a high eye point. Design consist of one achromat doublet and one Plano convex lens with the convex surfaces facing each achromatic objectives. Suitable for student, junior & medical microscopes.



**26. Micrometer Eyepiece-Order Code - TC7193**

Huygenian eyepiece 10x fitted with ocular disc of 10mm divided into 100 divisions.



**27. Condenser-Order Code - TC7194**

Beneath the stage, all most all the Tesca microscope have a condenser, which collects and concentrated the light before it passed through the sample. Two lens Bright field Abbe condenser N.A. 1.25 with iris diaphragm. It has a standard outer diameter of 39.5 mm & suitable for all the Tesca microscopes.



**28. Iris Diaphragm-Order Code - TC7195**

Leaf diaphragm (made from phosphorus Bronze sheet) mounted within the condenser. It controls the size of illumination cone-the amount of light converging on the specimen.



**29. Graduated Mechanical Stage- Order Code - TC7200**

Horizontal movement 70mm and vertical movement 30mm by rack and pinion. Both scales graduated and read by verniers.



**30. Reflector-Order Code - TC7201**

50mm diameter having one side plain and other concave mounted in a ring. Best quality.



**TC7201 & TC7202**

**31. Metallic ARC-Order Code - TC7202**

To hold 50 mm diameter Microscope Reflector. Brass C.P.

**32. Sub Stage Illuminator-Order Code - TC7203**

Light alloy vented housing, Built in ground glass diffuser one side & blue filter on the other side along with LED bulb. Suitable for student Junior & Medical Microscopes.



- No lamp replacement required.
- No lamp re-validation required.
- Lower power consumption & environmentally friendly by workable on two pencil cells of 1.5V.

**33. Double Demonstration Eye Piece-Order Code - TC7204**

This demonstration eyepiece fits any standard 23mm diameter eyepiece, making it possible for two people to see the same object at the same time. Teacher can use this in giving demonstrating the important points on a slide. A pointer is a standard part of the vertical Eye Piece. Both the vertical & horizontal Eye Piece has a magnification of 10x supplied in velvet cases.


**34. Wooden Slide Box Superior Quality-Order Code - TC7205**

Wooden Microscope Slide Box 75mm x 25mm glass slides in vertical position in serially numbered plastic grooves individually. Teakwood frame, sun mica Top. Capacity : 100 slides

**35. Wooden Slide Cabinet Deluxe Model-Order Code - TC7206**

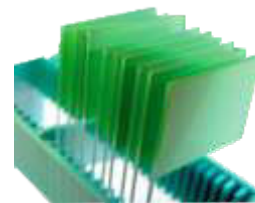
For keeping 75mm x 25mm glass slides in vertical position in plastic grooves individually. Cabinet frame of MDF finished with Laminated sheet Hinged door with lock is lined with velvet. Drawer frame of MDF with plywood bottom fitted with knob, index card holder & restraining lower is lined with velvet. Extra drawer in base with printed index sheets. Design prevents entry of dust into drawers.



Order Code	Capacity	
TC7206A	1000	10 Drawers 100 Slides
TC7206B	2000	10 Drawers 200 Slides
TC7206C	5000	25 Drawers 200 Slides
TC7206D	10000	50 Drawers 200 Slides

**36. Microscopic Slides-Order Code - TC7210**

Slides on Human Histology, USA Make (imported ) set of 100 slides.


**List is given below:**

- C01 Simple squamous Epithelium sec.
- C02 Simple Cuboidal Epithelium sec.
- C03 Simple Columna Epithelium sec.
- C04 Columna Pseudo strtfied ciliated epithelium
- C05 Stratified squamous Epithelium sec
- C08 Epidermis from human mouth
- C10 Loose Connective Tissue W.M
- C11 Dense Connective Tissue W.M
- C16 Human Chromosome Nonmal Female W.M
- C17 Human Chromosome Nonmal Male W.M
- C20 Smooth Muscle Teased Preparation W.M
- C23 Smooth Muscle I.S and C.S
- C24 Skeletal Muscle I.S and C.S
- C30 Tongue I.S. show filiform papilla
- C34 Stomach fundic portion sec.
- C35 Stomach Cardiac Region sec.
- C36 Stomach Pyloric Region sec.
- C40 Ileum C.S. show villi and goblet cells
- C51 Nerve cells
- C52 Brochiolus
- C53 Lung sec
- C54 Artery sec
- C55 Vein sec
- C56 Large artery sec
- C57 Large vein sec
- C58 Heart I.S.whole
- C59 Kidney I.S
- C60 Kidney with Blood Vessel Injected sec.
- C61 Ureter sec.
- C62 Ovary sec.
- C63 Placenta Human sec.
- C64 Human Sperms smear
- C65 Epididymis sec
- C66 Prostate Gland Human sec.
- C67 Fallopian Tube sec
- C68 Penis C.S
- C69 Cervix sec.
- C70 Thyroid Gland sec
- C71 Thymus Gland sec
- C72 Mammary gland sec
- C73 Adrenal Gland sec
- C74 Lymph Node sec
- C75 Salivary gland C.S.
- C76 Cerebrum sec
- C77 Cerebellum sec
- C78 Pituitary gland C.S.
- C79 Tendon teased C.S.
- C80 Eye entail sec
- C81 Eyeball sec

Note: Specifications are subject to change.

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C82 Human Skin sec. show Thick Cornifie Layer  
 C83 Human Skin sec. Through sweat Gland  
 C84 Human Skinsec. Through Hair Folicle  
 C85 White fibrous tissue  
 C86 Mucous tissue ,umbilical cord  
 C87 Decalcified bone C.S.  
 C88 Infant developing bone section  
 C89 Developing membrane bone  
 C90 Muscle-tendon junction I.S.  
 C91 Muscle spindle  
 C92 Nerve bundle  
 C93 Sympathetic ganglion  
 C94 Motor cortex section  
 C95 Sentor cortex  
 C96 Cerebellar cortex  
 C97 Palatine tonsil  
 C98 Thin skin from human palm section  
 C99 Finger nail section  
 C100 Stomach-duodenal junction I.S.

### 37. Microscopic Slides-Order Code - TC7211

Microscope slides on human Histology set of 62 slides Germany make (imported)

### 38. Microscopic Slides-Order Code - TC7212

Microscope slides on MICROBIOLOGY imported USA Make, ( set of 50 slides).

### 39. Microscopic Slides-Order Code - TC7213

Pathological slides , imported set of 100 slides.

### 40. Haemocytometer Set BRIGHT-LINED (Germany)-Order Code - TC7215

Haemocytometers, complete set in a plastic case, consisting off :

- Brightline Counting chamber without clamps with double net ruling and two cover glasses, each one blood diluting pipette.
- Thoma for red end white blood cells two silicon tubing of approx. 16 cm Length and each one red and white plastic mouthpiece.



### 41. Stage Micrometer-Order Code - TC7216

Calibrated Glass slide with 1mm scale length divided into 100 parts (One division = 0.01mm) used for determination of objective magnification & measurement of objects.



### 42. Botany Slides Set-Order Code - TC7217

Best Indian made slides, available sets only.

- TC7217A** - Beginer's Slide Set (set of 12)
- TC7217B** - Elementary Biology Set (set of 12)
- TC7217C** - Elementary Biology Slide (Set of 25)
- TC7217D** - General Biology Slide Set (set of 50)
- TC7217E** - Basic Botany Slide Set (Set of 25)
- TC7217F** - Plant Tissue (set of 12)

Note: Specifications are subject to change.

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- TC7217G** - Algae (set of 12)
- TC7217H** - Fungi (set of 12)
- TC7217I** - Flower Placentation (sets of 6)
- TC7217J** - Moss General Study (set of 6)
- TC7217K** - Ovule Types (set of 5)

### 43. Zoology Slide Set-Order Code - TC7218

Best Indian made slides, available sets only.

- TC7218A** - Beginer's Zoology Slide (set of 12)
- TC7218B** - Zoology Slide (sets of 25)
- TC7218C** - Beginner's Protozoan Slide Set (set of 10)
- TC7218D** - Mammal Histology Slides Set (set of 50)
- TC7218E** - Epithelium Types (Set of 10)
- TC7218F** - Connective Tissue Set (set of 8)
- TC7218G** - Blood Slide Set (Set of 5)
- TC7218H** - Muscle Types Slide Set (Set of 5)
- TC7218I** - Nervous Tissue Slide Set (set of 20)
- TC7218J** - Digestive System (set of 20)
- TC7218K** - Respiratory System (set of 5)
- TC7218L** - Urinary (Excretory) System (set of 6)
- TC7218M** - Reproductive System Slide Set (Set of 12)
- TC7218N** - Endocrine System Slide Set (set of 8)
- TC7218O** - Lymphatic Tissues Slide Set (set of 5)
- TC7218P** - Bone and Cartilage (set of 8)
- TC7218Q** - Gland Types (Sets of 6)
- TC7218R** - Hydra Slides Set (Set of 6)
- TC7218S** - Bacteria Types (Set of 12)
- TC7218T** - Histology slide set ( set of 50)
- TC7218U** - Animal Tissue Slides (set of 25)

### 44. Automatic Slide Staining Machine (12 Stations)-Order Code - TC7225

A simple, sturdy and economical model of Automatic Slide Staining Machine with 12 stations, recommended for hematology and also for staining of blood films and bone marrow spread etc.



#### Key Features

- Compact Bench Top Model
- Perfect H & E Stainer for Routine Application
- High Specimen Throughput
- Minimum Reagent Exposure
- Easy to clean
- Simple to operate
- Highly recommended for Hematology and also for staining of Blood Films and Bone marrow spreads etc.

### 45. Microprocessor Controlled Automatic Slide Staining Machine (12 Stations)-Order Code - TC7226

A simple, sturdy and economical model of Electronic Slide Staining Machine with 12 stations, recommended for hematology staining of blood films and bone narrow spread etc.



**Key Features**

- Feather touch key pad
- Digital display for adjusting timing sequence.
- Battery backup to retain data
- 12 stage timing sequence can be programmed with each step of 1 minute to 16 hours.
  - 12 Staining troughs
  - Perfect H & E Stainer for Routine Application
  - High Specimen Throughput
  - Minimum Reagent Exposure
  - Simple to operate
  - Highly recommended for Hematology and also for staining of Blood Films and Bone marrow spreads etc.

**46. Automatic Slide Staining Machine (23 Stations)-Order Code - TC7228**

Model is the most advanced Automatic Slide Staining Machine with 23 stations having a two tier arrangement and specially designed to meet all types of requirements in staining techniques starting from the routine haematological techniques to the most advanced stage of staining in cytology and histology.



Its two tier arrangement has 11 troughs and a blank station in the upper tier and 12 trough stations in the lower tier. A simple switching system facilitates the use of this machine in the following three modes:

**Three Modes of Operations**

- As one unit utilizing all the 23 staining positions in series
- As two independent staining machines working at the same time and programmed separately (independent grouping)
- As two staining machines operating simultaneously at the same time staining cycle (parallel grouping)

**47. Microprocessor Controlled Automatic Slide Staining Machine (23 Stations)-Order Code - TC7229**

Is the most advanced Electronic Slide Staining Machine with 23 stations having a two tier arrangement and specially designed to meet all types of requirements in staining techniques starting from the routine hematological techniques to the most advance staining in cytology and histology. Its two tier arrangement has 11 troughs and a blank station in the upper tier and 12 trough stations in the lower tier. A simple switching system facilitates the use of this machine in the following



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three styles:

**Three Modes of Operations**

- As one unit utilizing all the 23 staining positions in series
- As two independent staining machines working at the same time and programmed separately (independent grouping)
- As two staining machines operating simultaneously at the same time staining cycle (parallel grouping)

**48. Modular Slide Storage Cabinets (horizontal)-Order Code - TC7231**

MODULAR SLIDE STORAGE CABINETS (horizontal) can store large quantity of slides in less space. They are made up of good quality cold rolled steel with powder coating finish.

The drawers are slidable. The basic configuration has 3 independent cabinets and each cabinet has 5 drawers. Available in following different capacities:



Order Code	Capacity
TC7231A	Slide Storage 12500
TC7231B	Slide Storage 25000

**49. Modular Slide Storage Cabinets (vertical)-Order Code - TC7233**

Same as TC7231 but slides are kept in vertical position in this model.

The drawers are slidable. The basic configuration has 3 independent cabinets and each cabinet has 5 drawers. Available in following different capacities:

Order Code	Capacity
TC7233A	Slide Storage 12500
TC7233B	Slide Storage 25000

**50. Block Storage Cabinets-Order Code - TC7235**

These cabinets can store large quantity paraffin blocks, embedded in 0-Rings or cassettes in less space. They are made up of good quality cold rolled steel with powder coating finish.

The drawers are slidable. For each drawer handle is provided. Three different models are available.

Order Code	Capacity
TC7235A	4000
TC7235B	8000
TC7235C	12000

**51. Slide Warming Table-Order Code - TC7236**

It incorporates a feather touch keypad with LCD display for setting the hotplate temperature. Precise temperature control. Corrosion resistant material for

durability.

### Technical Specifications

Temp. Range	: Ambient to 90°C
Temp. Tolerance	: ± 1 deg. C
Hot Plate Dimensions (mm)	: 340 x 255
Power	: 220 Volt AC
Overall Dimensions (mm)	: 320 x 320 x 110



### 52. GROSSING WORK STATION- Order Code - TC7231.1

Grossing work station made of High grade stainless steel. Continuous air flow along entire work area. Provided with Dictaphone, camera holder on railing system, magnifying glass light magnifier with flexible arms. Document holder for requisition forms, literatures tec. Magnetic instruments holder, paper towel holder, polythene cutting board. Mixer tap for hot and cold water sink with tap. Sturdy perforated insert able work plate. Sprinkle system with adjustable valve for bath sanitation located underneath the perforated working plate and Drawers.



### Features

- Made of high grade stainless steel.
- Continuous air flow along entire work area.
- Provided with Dictaphone, camera holder and railing system.
- Magnifying glass/ light magnifier with flexible arms.

### Key Features

- Integrated illuminated with UV germicidal light.
- Self supporting carriage with adjustable legs.
- Removable organizer bins.
- Safety splash shield.
- Adjustable sets of stools with rest to reduce back strains.

### FACTS AND FUNCTIONS OF HUMAN EYE

Human eye belongs to general group of eyes found in nature called " camera eyes". Just as a camera lens focuses light onto film, a structure in the eye called the cornea focuses light onto a light-sensitive membrane called the retina.

The cornea is a transparent structure found in the very front of eye that helps to focus incoming light. Situated behind the pupil is a colorless, transparent structure

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called the crystalline lens. A clear fluid called the aqueous humor fills the space between the cornea and the iris.

" The cornea focuses most of the light, then it passes through the lens, which continues to focus the light".

### 53. Human Eye 3 Times, Full Size - 7 Parts- Order Code - TC7301



Removable parts includes

1. Upper half of the sclera with cornea and eye muscle attachments.
2. Both halves of the choroid with iris and retina.
3. Lens
4. Vitreous humors.  
Supplied on base.

### 54. Human Eye 5 Times, Full Size - 6 Parts- Order Code - TC7302



Same as TC7301, but with larger size & more details.

### 55. Human Eye With Orbit 3 Times, Full Size- Order Code - TC7303



On base of long orbit, same features as TC7301  
Dissectable into ten parts.

### FACTS AND FUNCTIONS OF HUMAN EAR

The ear isn't just the hearing organ. It is complex system of parts that not only allows humans to hear, but also makes it possible for human to walk.

Ears comes in many shapes and sizes. Typically, men's ears are larger than women.

Researchers also found that the average ears is about 2.5 inches (6.3 centimeters) long, and the average ear lobe is 0.74 inches(1.88 cms) long and 0.77 inches (1.96 cms) wide. The ear does indeed get larger as a person ages.

**56. Human Ear Rubber 3 Times, Full Size-  
Order Code - TC7306**

Made from vinyl rubber, flexible like human ear enlarge 2-3 times, Dissectible into 3 parts shown external, middle and internal portion, supplied on base.



**57. Human Ear Sharp Features-  
Order Code - TC7307**

Superior quality, 3 times life-size sharp features, elaborated by detailed key card supplied on plastic base. Size 12" x 6"



**58. Human Ear 5 Times, Large Size-  
Order Code - TC7308**

Dissectible into 6 parts representation of outer, middle and inner ear, additionally with two removable base sections close to middle and inner ear. supplied on base.



**FACTS AND FUNCTIONS OF HUMAN BRAIN**

The human brain is a largest brain of all vertebrate relatives to body size. The brain makes up about 2 percent of a human body weight (approx 1.5 kg) The human brain is a command centre for the human nervous system receives input from the sensory organs and sends output to the muscles. The human brain has the same basic structure as other mammal brains, but is larger in relation to body size than any other brains.

**59. Human Brain - 2 Parts-  
Order Code - TC7310**

Perfect for intermediate student, because of its affordable price/ immediately divided brain, supplied on pan/ removable



**60. Human Brain - 4 Parts-Order Code - TC7311**



Same as TC7310 but with four parts-detailed model of Human Brain, supplied on pan/removable base

**61. Human Brain - 8 Parts-Order Code - TC7312**



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Deluxe brain, divided in eight parts, full brain can be dissectable into :

1. Half of brain stem
2. Half of cerebellum
3. Frontal with parietal lobes
4. Temporal with occipital lobes

**FACTS AND FUNCTIONS OF HUMAN HEART**

The human heart is an organ that pumps blood throughout the body via the circulatory system, supplying oxygen and nutrients to the tissues and removing carbon dioxides and other wastes. "The tissues of the body needs a constant supply of nutrition in order to be active".

**62. Classic Human Heart 4 Parts (natural Size)-  
Order Code - TC7315**

This is very useful model to show the anatomy of human heart with ventricles, atriums valves, viens and the aorte in great details. The front heart is removable to view the chambers and internal structure. natural size as to size of human heart (life-size) with exquisite details throughout. Supplied on removable stand.



**63. CLASSIC HUMAN HEART 2 Parts (Natural Size)-  
Order Code - TC7316**

Same as TC7315, but with two parts.

**64. Heart 2 - Times, 4 Parts-Order Code - TC7317**

This is 2 times life-size heart model allows easy identification of all structures and is a perfect aid for lessons in large classrooms of lecture halls. The atrium walls and the front heart wall are removable to reveal the most professionally detailed and realistic heart available. Hand-painted in life-like colours to depict dozens of items of anatomical interest. Supplied removable stand.



**67. Heart 2 - Times, 2 Parts-Order Code - TC7318**

Same as Cat. No. 7317 but supplies with 2 parts.

**65. Gaint Human Heart, 8 Times 2 Parts-  
Order Code - TC7319**



See every detail of heart with this gaint 8 times enlarged model. Supplied on base with keycard.

**66. Heart 5 Times, 7 Parts-Order Code - TC7320**



Sale as TC7319 but supplied with 7 parts . The front heart walls can be removed . Supplied on removable stand.

**FACTS AND FUNCTIONS OF HUMAN DIGESTIVE SYSTEM**

The digestive system begins at the mouth includes the esophagus, stomach, small intestine, large intestine ( also known as the colon) and rectum, and ends at the anus. The entire system-from the mouth to anus-is about 30 feet (9 meters) long.

The human digestive system is a series of organs that convert foods into essential nutrients that are absorbed into the body and eliminates unused waste material. It is essential to good health because if the digestive system shuts down, the body cannot be nourished or rid itself of waste.

**67. Human Digestive System Large Size 12" X 32"-Order Code - TC7322**

Life -size model which demonstrates the entire digestive system in graphic relief.

**Features**

- Nose
- Mouth cavity and pharynx
- Oesophagus
- GI tract
- Liver with gall bladder
- Pancreas
- Spleen

The duodenum, caecum and rectum are opened. The transverse colon and front stomach wall are also fixed. Mounted on baseboard. Large Size : 12" x 32"



**68. Human Digestive System Standard Size 9" x 21"-Order Code - TC7323**

Same as TC7322 but smaller in size. Standard Size : 9" x 21"



**FACTS AND FUNCTIONS OF HUMAN CIRCULATORY SYSTEM**

The digestive system begins at the mouth includes the esophagus, stomach, small intestine, large intestine ( also known as the colon) and rectum, and ends at the anus. The entire system-from the mouth to anus-is about 30 feet (9 meters) long.

The human digestive system is a series of organs that convert foods into essential nutrients that are absorbed into the body and eliminates unused waste material. It is essential to good health because if the digestive system shuts down, the body cannot be nourished or rid itself of waste.

**69. HUMAN CIRCULATORY SYSTEM Large Size 12" x 32"-Order Code - TC7325**

Life -size model which demonstrates the entire circulatory system.

**Features**

- The arterial/venous system
  - Heart
  - Lung
  - GI tract
  - Liver
  - Spleen
  - Kidneys
  - Supplied on base
- Large Size : 12" x 32"



**70. Human Circulatory System Standard Size 9" X 21"-Order Code - TC7326**

Same as TC7325 but smaller in size. Standard Size : 9" x 21"

**71. Human Nervous System Large Size 12" X 32"-Order Code - TC7328**

This model of nervous system is organized into two parts, the central nervous system which consists of brain and the spinal cord, and the peripheral nervous system, which connecting the central nervous system to the rest of the body. Supplied on board size 12" x 32"



**72. Human Nervous System Standard Size 9" X 21"-Order Code - TC7329**

Same as TC7328 but smaller in size. Standard Size : 9" x 21"

**FACTS AND FUNCTIONS OF HUMAN RESPIRATORY SYSTEM**

The primary organs of the respiratory system are lungs, which function to take in oxygen and expel carbon dioxide as we breathe. The human respiratory system is a series of organs responsible for taking in oxygen and expelling carbon dioxide.

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**73. Human Respiratory System  
Large Size 12" X 32"-Order Code - TC7330**

Facilitated learning about breathing and the anatomical complexities of human respiratory system supplied on wooden base



**74. Human Respiratory System  
Standard Size 9" X 21"-Order Code - TC7331**  
Same as TC7330 but smaller in size.  
Standard Size : 9" x 21"

**FACTS AND FUNCTIONS OF HUMAN SKELETON SYSTEM**

The adult human skeleton system consists of 206 bones, as well as a network of tendon, ligaments and cartilage that connects them. The skeleton system performs vital function- support, movement, protection, blood cell production, calcium storage and endocrine regulation that enables us to survive.

**75. Human Skeleton System  
Large Size 12" X 32"-  
Order Code - TC7332**

Beautiful model, showing different parts of human skeleton system.



**76. Human Skeleton System  
Standard Size 9" X 21"-Order Code - TC7333**  
Same as TC7332 but smaller in size.  
Standard Size : 9" x 21"

**77. Male Reproductive System Large Size-  
Order Code - TC7334**

Large size, showing detail of male genital organs in detail.  
Large size 12" x 32"



**78. Male Reproductive System Male Pelvis -  
Standard Size-Order Code - TC7335**

This cross section of male genital organs shows all structure in detail.  
Delivered on base board.



**79. Female Reproductive System Large Size-  
Order Code - TC7336**

Large size, showing detail of female genital organs in detail. Large size 12"x 32"



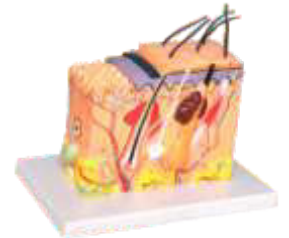
**80. Female Reproductive System  
Female Pelvis - Standard Size-  
Order Code - TC7337**

This cross section of female genital organs shows all structure in detail.  
Delivered on base board.



**80. Human Skin Model 70 Times Enlarge, 3D-  
Order Code - TC7340**

The distinctive model shows a section of human skin in three dimensional form, individual skin larger are differentiated and imported structure such as hair, sebaceous and sweat glands, receptors, nervous, erector pill muscles and vessels are shown in great detail.



**81. Human Skin Model 70 Times Enlarged-  
Order Code - TC7341**

This relief model show a section through the 3 layers of hair covered skin of the head.

- Sweat gland
- Receptors
- Vessels
- Nerves
- Representation of hair follicles with sebaceous glands



**82. Human Kidney Model Large Size-  
Order Code - TC7343**

Large size, showing maximum detail.  
Supplied on board. Large Size 12" x 32"



**83. Human Kidney Model 3 Times Full Size-  
Order Code - TC7344**

Longitudinal section of the right kidney. on base board.

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**84. Human Kidney Model 2 Parts, On Stand-  
Order Code - TC7345**

The distinctive model shows a section of human skin in three dimensional form, individual skin larger are differentiated and imported structure such as hair, sebaceous and sweat glands, receptors, nervous, erector pill muscles and vessels are shown in great detail.

Showing

- Kidney with adrenal gland
- Renal and adrenal vessels
- Upper portion of ureter



**85. Teeth with Upper and Lower Jaw-  
Order Code - TC7348**

Upper and lower jaw are opened to show the arrangement of the remaining teeth. Tooth roots, spongiosa, vessels and nerves are exposed. Supplied on base.



**86. Molar with Dental Caries 6  
Parts-Order Code - TC7349**

Different stages are shown by six parts. It features a longitudinal section through the crown . Two roots and the pulp cavity portion.



**87. Man Tongue 2.5 Times Life size-  
Order Code - TC7350**

Supplied on board.



**88. Head with Neck-  
Order Code - TC7351**

Relief model on base board. Only one model is supplied with front & rear view.



**89. Human Lungs 2 Parts-  
Order Code - TC7352**

Dissectable 2 parts showing all important parts. supplied on stand,



**90. Lungs Model with Larynx 7 Parts-  
Order Code - TC7353**

Highly detailed model, great aid to teaching, even in large classrooms. In the above picture we have shown two identical models - one in arranged manner and other in the open manner showing all 7 parts. At the time of supply only one model is supplied.



**91. Life size male muscular figure 18 Parts-  
Order Code - TC7355**

This sophisticated model shown the deep and superficial muscular in great detail. The extraordinary accuracy makes this masterpiece a unique tool for teaching even in large lecture halls. Following parts can be removed and studied in detail: skull cap , brain, eye ball, breast and abdominal wall, parts of larynx, lungs, parts of heart, parts of stomach, liver with gall bladder, kidney, detachable arms, leg and head and abdominal wall for detail study, hand painted , mounted on a convenient roller wooden base.



**92. Life size female muscular figure 18 Parts-  
Order Code - TC7356**

The female muscle figure without internal organs, brain and male genital provides the same quality characteristics as TP 7355 model mounted on a convenient roller wooden base.



**93 Human Muscle Model Large Size on Board-  
Order Code - TC7357**



**94. Torso Half Size With Head (young) 8 Parts-  
Order Code - TC7358**

Youth model, approx 490 mm in height, dissectable into 8 Parts. Half of the brain can be taken out from the skull, right & left lungs with heart, liver, stomach and intestine are removable to show the internal structure. Mounted on base. Numbered with English Key Card.



**95. Human Torso Without Head - 7 Parts-  
Order Code - TC7359**

Life Size, Sexless torso in 10 parts. The eye with optical nerve and half brain are removable. Thoracic and

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abdominal organs, individually detachable lungs, Heart, stomach, liver and intestine. Numbered with English Key Card.



**96. Human Torso - 10 Parts- Order Code - TC7360**

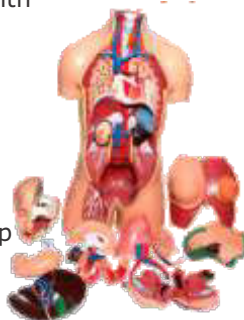
Life Size, Sexless torso in 10 parts. The eye with optical nerve and half brain are removable. Thoracic and abdominal organs, individually detachable lungs, Heart, stomach, liver and intestine. Numbered with English Key Card.

**97. Human Torso Male / Female Magnetic- Order Code - TC7362**

Tough, smooth-finished material mounted on a base Detachable head; Open back, exposed spine spinal cord segments; Interchangeable reproductive organs; female reproductive organs shall have a fetus which is removable.

The parts, structures of the model are correctly numbered with permanent markings. With English user's manual that includes diagram with labels consistent with the numbered parts in the actual model.

- 20 dissectable parts that include:
- Removable head (parts of mouth and nasopharynx exposed) with half brain expose with arteries
- Eye with optic nerve
- Female breast plate with plate rib
- Right and left lung
- 2-part heart
- 2-part stomach
- Liver with gall bladder
- Large intestine, with appendix flap
- Small intestine
- Kidney half
- Female genital organs (2 parts)
- Male genital organs (2 parts)
- Height: 85 cm
- The quality of above Magnetic Torso is impressive, just like the price. Use it to answer all questions on internal human anatomy you ever had.



removable parts:2-part Brain, 2 lungs with sternum and rib attachments, 2-part heart, 2-Part Stomach, Liver with gall bladder, intestinal tract, Front half of kidney, Vertebra detachable. All the organs in this human torso are hand painted for a quality anatomy educational tool makes learning the location of the human organs easy.



These both torso are same-left hand side torso is showing with 12 dissectable parts & and above one torso is showing complete view.

**99. Human Skeleton-Order Code - TC7366**

The classic skeleton model has been the standard of quality in schools, universities and laboratories for over 50 years.

This is the most affordable full size skeleton available anywhere, ideal for active use in teaching and demonstrations. The human skeleton model is easy to handle anatomical correct and economical prices.



**Features**

- Life size and realistic weight
- Top quality cast from real specimens
- Extremely accurate in every detail
- Made from a durable and unbreakable synthetic material
- Limbs can be removed quickly and easily
- Movable joints for the demonstration purpose
- Developed in India

**100. Stand for Human Skeleton- Order Code - TC7368**

Wheel type, heavy stand for above human skeleton.

**101. Embryonic Development- Order Code - TC7370**

- An embryo about 6 days old, considerably enlarged .
- Uterus with Embryo in the first month of gestation.
- Uterus with Embryo in the third month of gestation.
- Uterus with foetus in the fourth month.
- Uterus with foetus placenta & umbilical cord.
- Uterus with foetus in the fifth month.
- Uterus with foetus in the seventh month of pregnancy.
- Uterus with foetus in the eight month of pregnancy.



**98. Human Torso - 12 Parts-Order Code - TC7363**

This 12 parts anatomically correct human torso is an educational tool of true quality. The unisex human torso model is handpainted true to detail .It shows the human anatomy in great detail and contains the following

Note: Specifications are subject to change.

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- Uterus with foetus in the ninth month of pregnancy.
- Complete with keycard.

**102. Basic Pregnancy Series-Order Code - TC7371**

Set of 5 Models on Board

This series consists of five models to show the most important stages of development. Stages included: 1st month, 2nd month, 3rd month, 5th month, 7th month. The 5th and 7th month stages have detachable fetuses. All models are mounted together on a base.

**103. Animal Cell-Order Code - TC7372**

Key features are colored and numbered for comparison with the key that is included. This model provides a visually and kinesthetically effective method for studying the structure and function of the various cell structure and organelles of an animal.



**104. Animal Cell - Large Size-Order Code - TC7373**

Colorful model of a greatly enhanced animal cells. Easily identify the different structure of the cell, such as nucleus, endoplasmic, mitochondria, ribosome, Golgi apparatus, centrioles, lysosomes and fat vacuoles. Perfect for students.



**105. DNA Model-Order Code - TC7374**

This DNA Molecule is ideally suited to the classroom environment. Mounted on a large wooden base. Size 18" x 24"



**106. RNA Model-Order Code - TC7375**

This model consists of the four basis, as in DNA . Supplied on large wooden base. Size 18" x 24"



**107. DNA Model-Order Code - TC7376**

Same as above but small size - 18" x 12"

**108. RNA Model-Order Code - TC7377**

Same as above but small size - 18" x 12"

**109. AMOEBA Model-Order Code - TC7380**

it's molded of clear plastic and incorporates all the key structures including nucleus, food vacuoles containing diatoms and bacteria, contractile vacuole, fat droplet,



Note: Specifications are subject to change.

plus granular and clear zones of cytoplasm. All are molded in combination of colored and clear plastics to help the student envision the real protozoan. Mounted on a hardwood base.

**110. Paramecium Model-Order Code - TC7381**

A truly life-like paramecium model translucent plastic. Shows clearly the morphology of the fascinating protozoan and entice your students to examine more closely a real specimen. Includes cilia both on the gullet and for locomotion.



**111. Euglena Model-Order Code - TC7382**

This model is a perfect teaching tool structure include the flagella, stigma, blepharoplast, contractile vacuole, chloroplast, pyrenoid, rhizoplast, nucleus and endosome. Mounted on base. Size 10" x 16"



**112. Hydra Model-Order Code - TC7383**

Enlarged approximately 30 times. The anatomy of the hydra is shown in longitudinal section: entoderm, mesoglea, ectoderm, male and female egg cell, buds and mouth opening. Supplied on stand.



**113. Ascaris Male & Female Combined-Order Code - TC7385**

Show all internal organs like pharynx, intestine, testis, oviduct etc. Model mounted on board with keycard. Dissectable model, showing all important organs of male & female ascaris in details. Size 12" x 18"

**114. Life Cycle Of Housefly-Order Code - TC7392**



Beautiful Model in acrylic showcase. Size 8" x 10"

**115. Life Cycle of Silkworm-Order Code - TC7393**



Beautiful Model in acrylic showcase. Size 8" x 10"

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**116. Life Cycle Honey Bee-Order Code - TC7394**



Beautiful Model in acrylic showcase.  
Size 8" x 10"

**117. Life Cycle Mosquito-Order Code - TC7395**



Beautiful Model in acrylic showcase.  
Size 8" x 10"

**118. Life History Mosquito (anopheles)-  
Order Code - TC7396**

Beautiful Model in acrylic showcase.  
Size 8" x 10"

**119. Life History Malarial Parasite-  
Order Code - TC7397**

Beautiful Model in acrylic showcase.  
Size 8" x 10"

**120. Life History Frog (development Of Frog)-  
Order Code - TC7398**

Beautiful Model in acrylic showcase.  
Size 8" x 10"

**121. Life History Cockroach-Order Code - TC7399**

Beautiful Model in acrylic showcase.  
Size 8" x 10"

**122. Life History Butterfly-Order Code - TC7400**

Beautiful Model in acrylic showcase.  
Size 8" x 10"

**123. Types of Bacteria-Order Code - TC7401**



Beautiful Model in acrylic showcase.  
Size 8" x 10"

**124. Life History of Honey Bee-  
Order Code - TC7402**



Beautiful Model mounted on large size  
wooden base. Size 18" x 24"

**125. Life History Of House Fly-  
Order Code - TC7403**



Beautiful Model mounted on large size  
wooden base. Size 18" x 24"

**126. Life History Of Earth Worm-  
Order Code - TC7404**

Beautiful Model mounted on large size  
wooden base. Size 18" x 24"

**127. Animal Cell Divisions  
Meiosis Model-**

**Order Code - TC7405**

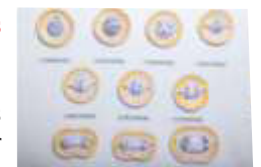
Animal cell division meiosis model is used for biological study, and consists of a set of 12 models depicting stages in meiotic cell division for detailed examination. Comes with a convenient display on large base. Size 18" x 24"



**128. Animal Cell Divisions  
Mitosis Model-**

**Order Code - TC7406**

Animal cell division mitosis use this innovative model set to teach your students mitotic division. This model represent 10 stages of animal cell mitosis comes with a convenient display on large base. Size 18" x 24"



**129. Frog Dissection-  
Order Code - TC7407**

Cast in fibre glass and unbreakable even after years of use. Handpainted in bright, functional colours & mounted on large base. Size 12" x 16"



**130. Frog Development-Order Code - TC7408**

Beautiful model showing different stages of frog development. Size 18" x 24". Supplied on wooden base.

Note: Specifications are subject to change.

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**131. Fish Dissection On Stand-  
Order Code - TC7409**

Showing all general anatomy after dissection mounted on stand.

**132. Earthworm Dissection-Order Code - TC7410**

Showing the external character in a portion and the dissection in the remaining, exhibiting all important systems, mounted on board.

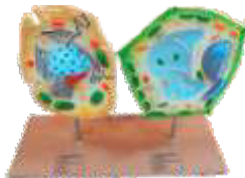
**133. Plant Cell Model-Order Code - TC7421**

This model presents the structure of a typical plant cell with cytoplasm and cell organelles, as viewed from electron microscope. For better illustrations, all important organelles are raised and displayed in colors.



**134. Comparison Models Animal & Plant Cell-  
Order Code - TC7422**

These enlarged models of an animal cell and a plant cell enables visual teaching about their structures, as well as their similarities and differences.



**135. Plant Cell Divisions Mitosis-  
Order Code - TC7423**

This set explains the stages of Mitosis with 10 enlarged models supplied on board, size 18" x 24".



**136. Plant Cell Divisions Meiosis-  
Order Code - TC7424**



Plant Cell Divisions Meiosis With 12 models the stages of Meiosis are explained. supplied on board, size 18" x 24".

**137. Flower on Stand -Order Code - TC7425**

Student can learn to build a flower using this model that emphasizes the arrangement of floral components and the reproductive function of flowers. The petals, sepals and stamens are detachable and one another is sectioned to reveal pollen grains within. Adhering to the stigma are six pollen grains demonstrating the process of pollination. The process of double fertilization is also emphasized. Number coded and keyed for easy identification.



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**138. Type of Ovule**



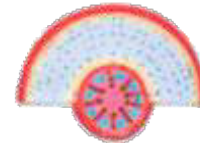
Set of four models on board.

**139. Monocot Stem T.S.-Order Code - TC7427**

Modeled after a corn stem to show the general anatomy of a monocot in longitudinal and cross section. Features such as cuticle layer, epidermis, closed vascular bundles, parenchyma and several other are shown. Include key cards. Size 7" x 21" x 15"



**140. Monocot Root T.S.-Order Code - TC7428**



Modeled after a corn stem to show the general anatomy of Size 12" x 18"

**141. Monocot Leaf T.S.-Order Code - TC7429**

Modeled after a corn stem to show the general anatomy of Size 12" x 18" Modeled after a corn stem to show the general anatomy of Size 12" x 18"

**142. Germination Model-Order Code - TC7430**

Classroom activities supports hands – on learning and basic understandings of similarities and differences in seed development.

**143. Root Tip of Fern-Order Code - TC7431**

This model show the pointed growth resulting from a apical cell with the cells which branch out spirally from point of vegetation. Root shown in longitudinal and transverse section, detachable with crown of the root removable.

**144. Dicot Stem T.S.-Order Code - TC7432**

Sunflower stem is displayed in cross, radial and tangential sections. Epidermis, cork layer, Phloem and xylem regions, pith and other vital structures are found. Size 8" x 20" x 14"

**145. Dicot Root T.S.-Order Code - TC7433**



Sunflower stem is displayed in cross, radial and tangential Size 12" x 18"

**146. Dicot Leaf T.S.-Order Code - TC7434**

Sunflower stem is displayed in cross, radial and tangential Size 10" x 16"

**147. Placentation Types-Order Code - TC7435**

Set of 6 Models

**148. Life History Of Spirogyra-Order Code - TC7436**

On Board. Size 18" x 24"

**149. Pitcher Plant-Order Code - TC7437**

On Board. Size 14" x 18"

**150. Funaria Plant-Order Code - TC7438**

On Board. Size 12" x 16"

**151. Chromatography Cabinet-Order Code - TC7501**

Made of teakwood with glass on all four sides and on top. Internal surface wax coated for solvent resistance. Hinged top provided with rubber gasket for air tight closing. Window with air tight door in lower position. Heavy castors provided for easy movement. Finished in lacquer polish. Supplied with two stainless steel troughs and 4/6 glass rods.



Order Code	Description
TC7501A	For 6 Filter papers of 57 x 68cm
TC7501B	For 4 Filter papers of 46 x 57cm

**152. Paper Chromatography Cabinet-Order Code - TC7502**

It is made of single piece modeling. The inner size of cabinet is 6" x 8" x 9" with front sliding glass door. The lid of cabinet is also made of bakelite.

**Stainless steel solvent portion:**

It is made of 316 quality S.S. It is having the volume capacity of 150 ml. it is required to hold the solvent mixture.

**Stainless steel hanger :** It is a stainless steel rod of size 6" and dia 2mm. it is used as hanger of Chromatography paper. It fits inside the grooves of the cabinet.

**Drying stand :** One stand is supplied to accommodate processed (wet) chromatography paper and to put it in oven to dry the same.

**Glass sprayer with rubber balloon :** The sprayer is made of Borosilicate Glass specially design for spraying the indicators on chromatography paper. A rubber balloon is connected Glass syringe: Glass syringes capacity

Note: Specifications are subject to change.



20ml, is provided to draw in the solvent from S.S pot after practical is over.

**TLC capacity :** Pkt of 25 high quality fine Capillaries are supplied with cabinet.

**153. Thin Layer Chromatography Apparatus-Order Code - TC7503**

**Applications**

- **Purity of any sample :** Purity of sample can be carried out with TLC. Direct comparison is done between the sample and the standard or authentic sample. If any impurity is detected, then it shows extra spots and this can be detected easily.
- **Identification of compounds :** Thin layer chromatography can be employed in purification, isolation and identification of natural products like volatile oil or essential oil, fixed oil, waxes, terpene, alkaloids, glycosides, steroids etc.
- **Examination of reactions :** Reaction mixture can be examined by Thin Layer chromatography to access whether the reaction is complete or not. This method is also used in checking other separational processes and purification processes like distillation.

**Consists of :**

- **Applicator made of electroplated brass**
- **Plate Rack or aluminum Rack**
- This rack holds ten 20 x 20 cm plates which can be stacked horizontally
- Perspex base
- Spotting template made of Perspex
- Glass Plate for T.L.C.
- (Glass plate with polished edges, about 4mm thick)
- Reagent Sprayer (all glasses)
- (This all glass reagent sprayer is a low cost yet efficient

- alternative to the TLC sprayer. It comes with a rubber pump but may also be operated from a compressed air or Nitrogen Supply.)
- Developing tank with lid (Borosilicate Glass)
- Scriber for marking lines, complete along with instruction manual.
- Micro Pipette

**Advantages**

- Less equipment is required.
- Very little time for separation is required.
- It is more sensitive.
- The lower detection limit of analytical sample in TLC is approximately on decimal lower than that is paper chromatography and very small quantities of sample is sufficient for analysis.

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#### 154. Tissue Culture Racks-Order Code - TC7505

"Tesca" Tissue culture racks are very useful for various types of tissue culture plants and other tissue culture work in tissue culture room. Used in areas of tissue culturing of plants as well as in other tissue culture work. It is Ideal for Agricultural Research Labs.



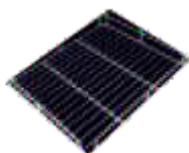
##### Salient Features & Construction

- Low Cost.
- Minimum heating effect/heat dissipation.
- No Flickering effect.
- Tissue Culture Racks are made of mild steel angle frame, shelves & frame are powder coated painting in corrosion resistant paint or S.S.
- Each rack of size 50"x18" (depth).
- Distance between shelves to shelves is 15".
- UV Germicidal Light are fitted inside the rack / work area.
- Fitted with 0-24 Hours Mechanical Timers (optional, fitted in two models only)
- The whole rack is provided with four nos. castor wheels at the bottom for easy mobility to any place.

Order Code	Description
TC7505A	Rack fitted with 12 tubes, 6 bulbs , 3UV (4 shelves) (M.S.)
TC7505B	Rack fitted with 16 tubes, 8 bulbs , 4UV (5 shelves) (M.S.)
TC7505C	Rack fitted with 12 tubes (4 shelves) (M.S.)
TC7505D	Rack fitted with 16 tubes (5 shelves) (M.S.)
TC7505E	Rack (S.S) fitted with 12 tubes, 6 bulbs , 3UV (4 shelves)
TC7505F	Rack (S.S) fitted with 16 tubes, 8 bulbs , 4UV (5 shelves)
TC7505G	Rack (S.S) fitted with 12 tubes (4 shelves)
TC7505H	Rack (S.S) fitted with 16 tubes (5 shelves)

#### 155. Tray for Tissue Culture Rack-Order Code - TC7508

We offer trays for Tissue Culture Rack, made up of high quality polypropylene. These trays can be used while washing, filling autoclaving & incubation.



#### 156. Culture Tubes / Specimen Tubes-Order Code - TC7510

Made from 3.3 grade Borosilicate glass tubing. FLAT BOTTOM

Note: Specifications are subject to change.

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Order Code	Capacity (ml)	Size (mm)
TC7510A	5	16 X 50
TC7510B	10	25 X 50
TC7510C	15	25 X 57
TC7510D	20	25 X 75
TC7510F	25	25 X 75
TC7510G	30	25 X 95
TC7510H	40	25 X 145
TC7510I	45	20 X 145
TC7510J	60	25 X 200

#### 157. Culture Tubes / Specimen Tubes-Order Code - TC7512

Made from 3.3 grade Borosilicate glass tubing. Image Same as TC7510.

##### ROUND BOTTOM.

Order Code	Capacity (ml)	Size (mm)
TC7512A	10	16 X 125
TC7512B	15	16 X 150
TC7512C	30	25 X 100
TC7512D	40	25 X 150
TC7512E	45	25 X 150
TC7512F	100	32 X 200
TC7512G	150	38 X 200

#### 158. Herbarium Press For Field Use-Order Code - TC7513

Teakwood batons fabrication. Adjustable strap for putting sufficient pressure. Spirit polish finishing. bv Size 45cm x 30cm.



#### 159. Herbarium Press for Laboratory use-Order Code - TC7514

MDF planks, lacquer finish. Provided with tilting type bolts with flynuts for putting sufficient pressure. Upper plank perforated for evaporation. Size 45cm x 30cm.



#### 160. Herbarium Cabinets-Order Code - TC7515

For keeping botanical specimens securely placed in herbarium sheets. Cabinet frame of MDF finished with laminated sheet. Hinged MDF baton to collectively lock the drawers. Drawer frame of MDF with plywood bottom fitted with puller knobs and index card holder. Phosphor

bronze clip provided inside drawer for keeping herbarium sheets in position. Drawers finished in spirit polish. Drawer Size 45cm x37cm x 8cm.

Order Code	Capacity (ml)
TC7515A	Cabinet with 6 Drawers
TC7515B	Cabinet with 12 Drawers
TC7515C	Cabinet with 24 Drawers



### 161. Tissue Flotation Bath-Order Code - TC7525

It incorporates a feather touch keypad with LCD display for setting the Water Bath. Precise temperature control. Built in memory for storing set temp. Corrosion resistant for durability.



Water Temp. Range	: Ambient to 90°C
Temp. Tolerance	: ± 1°C
Water Bath Dimensions	: 230 x 180mm
Power	: 200VA
Overall Dimension	: 320x320x110 mm

### 162. Tissue Flotation Workstation-Order Code - TC7526

It incorporates a feather touch keypad with LCD display for setting the water bath & Hot plate Temp. Precise temp. control. Built in memory for storing set temp. Corrosion resistant for durability.



Water Temp. Range	: Ambient to 90°C
Temp. Tolerance	: ±1°C
Water Bath Dimensions	: 258 x 193 x 64 mm
Power	: 200VA
Integrated Hot Plate	: Yes
Hot plate dimensions	: 110 x 70 & 140 x 70mm
Integrated LED for bath illumination	: Yes

### 163. Precision Rotary Microtome (ERMA Japan Type)-Order Code - TC7528

It incorporates a ball and flange type object holder for specimen centering. Knife holder with lateral movement permits use of complete knife edge and has feed range of 1-25 micron in steps of 1 micron each. Supplied complete with one knife 120mm long with back and handle in box, 3 block holder, one honing stone, one bottle of lubrication oil and dust cover.



### 164. Accessories for Microtomes-Order Code - TC7529

**TC7529A** : ERMA JAPAN, Disposable Blade - High Profile  
**TC7529B** : ERMA JAPAN, Disposable Blade - Low Profile  
**TC7529C** : Disposable Blade Holder - High Profile  
**TC7529D** : Disposable Blade Holder - Low Profile  
**TC7529E** : Disposable Blade Holder Base  
**TC7529F** : Standard Cassette Clamp  
**TC7529G** : Object Holder (Set of Three)  
**TC7529H** : Microtome Knife 120mm  
**TC7529I** : Microtome Knife 140mm  
**TC7529J** : Microtome Knife 160mm  
**TC7529K** : Leather Strap  
**TC7529L** : Honing Stone  
**TC7529M** : L-moulds

### 165. Senior Precision Rotary Microtome (latest Spencer 820 Type)-Order Code - TC7532

It is universally, approved, most modern and reliable sectioning equipment designed for very precise sectioning of tissue upto 1 micron thickness. The feed indicator, located in front of microtome is operated by the latest 'CAM DRIVE SYSTEM' for accurate feed setting from 1-50 microns in steps of one micron. The interior mechanism rests on a heavy cast iron base and is covered with a full swing protective cover for easier cleaning & lubrication. The salient features include independent feed mechanism with automatic safety device, universal knife holder with lateral movements permitting use of the entire knife edge, universal vice type object holder for accurate centering of the specimen.



#### Special Features

- Conveniently located feed indicator
- Automatic feed release mechanism
- Convenient specimen holder
- Safety device
- Smooth drive wheel with locking
- Vibration and shake proof operation
- Minimum maintenance
- Reduce hand stress
- Sturdy, rigid construction
- Protective cover for easy cleaning and lubrication.

#### Technical Specifications

Section thickness setting	: 1-50 microns in step of 1 micron
Operation	: Manual
Knife length	: 120 mm
Block holder	: Set of three
L moulds	: 50 x 25 x 20mm
Trimming section	: Upto 10-20 micron
Vertical specimen stroke	: 55 mm
Max. specimen size	: 32 mm(section)

Note: Specifications are subject to change.

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Specimen orientation : 360°  
 Thickness control : Manual with microtome.  
 Object feed : With wheel  
 Honing steel : Provided

**166. New Advance Rotary Microtome-  
 Order Code - TC7533**

New advance rotary microtome the new approach to manual sectioning which provides unique user friendly, achieved through numerous new features which have never been offered before in the class of microtome.



**Special Features**

- Section thickness display
- Section thickness adjustment knob
- Coarse feed hand wheel
- Adjustable knife angle
- Auto retraction mechanism
- Anti roll plate
- Spacious section waste tray
- Standard/Universal cassette clamp

**Technical Specifications**

Section thickness setting : 0.5-60µm  
 Setting value : From 0.5µm-2µm in 0.5µm increment  
 From 2µm-20µm in 1µm increments  
 From 20µm-60µm in 5µm increment  
 Trimming thickness : 10µm-60µm  
 Vertical stroke : 60mm  
 Specimen orientation : horizontal 8°, vertical 8°  
 Object feed : 28mm  
 Max. sectioning area : 60mmx50mm  
 Dimensions :  
 Width (Incl. hand wheel) : 460mm  
 Depth (Incl. waste tray) : 500mm  
 Height (Total) : 300mm  
 Working Height (Knife edge) : 105mm  
 Weight (Without acc.) : 23kg(approx)

**167. Semi Automatic Microtome-  
 Order Code - TC7534**

Semi automatic microtome has been specially designed for the experienced user who prefer manual over motorized sectioning.



**Special Features**

- Microtome at a glance
- LCD display with feature touch keypad
- Cutting/trimming mode
- Fast forward/backward functions

Note: Specifications are subject to change.

- Increase/decrease section thickness
- Retraction can also be adjustable
- Section counter/section thickness display
- Motorized feed drive
- Finger protection guard

**Technical Specifications**

Section thickness setting : 0.5-100µm  
 Setting value : From 0.5µm-5µm in 0.5µm increment  
 From 5µm-20µm in 1µm increments  
 From 20µm-60µm in 5µm increments  
 From 60µm-100µm in 10µm increment  
 Trimming thickness : 1µm-600µm  
 Specimen retraction range : 5-100µm un 5µm increments  
 Minimum setting value : 0-5mm  
 Object feed : 28mm  
 Vertical stroke : 60mm  
 Specimen horizontal feed: 28mm  
 Max. specimen size : 50x50mm  
 Operation : semi-automatic  
 Dimension(LXWXD) : (520X430X330)mm  
 Weight : 24kg  
 Nominal voltage : 220v,50Hz/110V,60Hz  
 Power draw : 150VA

**168. Automatic Microtome (touch Screen Model)-  
 Order Code - TC7535**

Full automatic microtome embodies latest echnological innovation and perfectly Harmonies with an ergonomic design and user safety.



**Special Features**

- Motorized feed and sectionizing.
- Section and trimming thickness display
- Section counter
- Automatic/ Manual control
- Continous section/ single section control
- Fast forward/ backward function
- Section/trimming change over
- Automatic memorization and recovery
- Emergency stop
- Auto retracting mechanism
- Ergonomic design

**Technical Specifications**

Section thickness setting : 0.5µm-100µm  
 Setting value : from 0.5µm-2µm in 0.5µm increment  
 From 2µm-10µm in 1µm increments  
 From 10µm-20µm in 2µm

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	increments	From 20µm-100µm in 5µm increment
Trimming thickness	:	1µm-600µm
Setting value	:	1µm-10µm in 1µm Increment
		10µm-20µm in 2µm increments
		20µm-100µm in 10µm increments
		100µm-600µm in 50µm increment
Object feed	:	28mm
Vertical stroke	:	60mm
Specimen Retraction	:	20µm
Max. specimen size	:	50x50mm
Specimen clamp orientation	:	360°
Nominal voltage	:	100/120/230/240v AC±10%
Nominal frequency	:	50-60Hz
Power draw	:	200 VA
Dimension		
Width(incl. hand wheel)	:	580mm
Depth(incl. waste ray)	:	360mm
Height(total)	:	310mm
Weight	:	35kg

**169. Disposable Microtome Blades (patho Cutter- Hp)-Order Code - TC7537**

- Specially honed & coated for incredible precision & durability.
- Durability save labs time & money.
- Ideal for sectioning hard tissues.

**170. Disposable Microtome Blades (patho Cutter- R)-Order Code - TC7538**

- Specially honed & coated for incredible precision & durability.
- Durability save labs time & money.
- Ideal for sectioning soft tissues.

**171. Horizontal Laminar Air Flow Unit (wooden Cabinet)-Order Code - TC7575**

Structure made of 19mm thick ply board covered with sun mica from outside. Work Bench of perforated Stainless steel. Clear acrylic side panels. Front acrylic door of collapsible type.

The room air is taken through the bottom of the cabinet through the pre filter, which traps larger size particles and increase the life of main HEPA filter. Air is forced evenly through the HEPA filter, resulting a stream of unidirectional clean air within the work zone of the cabinet.



**Specifications**

- Made of 19mm thick Ply-board & Stainless Steel.
- Epoxy Painted inside.
- HEPA filter efficiency 99.97% upto 0.3micron.
- Protection grill for HEPA filter.
- Pre-filter efficiency 99% upto 5 microns.
- Stainless Steel work bench.
- UV germicidal lamp.
- Fluorescent illumination.
- Cock for gas.
- Static Pressure Manometer.
- Balanced blower with motor.

Order Code	Working Area Size
TC7575A	2'x2'x2'
TC7575B	3'x2'x2'
TC7575C	4'x2'x2'

**172. Horizontal Laminar Air Flow Unit (mild Steel Cabinet)-Order Code - TC7576**

The cabinets are fabricated out of thick mild steel cabinet duly powdered coated. The work table is made of thick stainless steel sheet. Side panels are provided of thick transparent acrylic sheets. The unit is fitted with prefilter and is made to pass through highly effective HEPA (High Efficiency Particular Air) filter efficiency 99.97%, thus retaining all air borne particles of size : 0.3 micron and larger.



Using a dynamic machine, the blower and motor assembly is statically and dynamically balanced. Blowers are mounted on vibration isolation mounts to minimize vibration. The working is illuminated by fluorescent lighting fitted to the unit. Height of the working table provides comfortable "Sit-Down" working position for the operation to work on 220/230 volts AC supply.

Order Code	Working Area Size
TC7576A	2'x2'x2'
TC7576B	3'x2'x2'
TC7576C	4'x2'x2'

**173. Horizontal Laminar Air Flow Unit (stainless Steel)-Order Code - TC7577**

The whole structure is constructed from S.S.304. Rest specifications are same as out TC7575 or TC7576

Order Code	Working Area Size
TC7577A	2'x2'x2'
TC7577B	3'x2'x2'
TC7577C	4'x2'x2'

Note: Specifications are subject to change.

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**174. Vertical Laminar Air Flow Unit (wooden Cabinet)-Order Code - TC7580**

Structure made of 19mm thick ply board covered with sun mica from outside. Work Bench of perforated Stainless steel. Sides of work bench covered with transparent acrylic sheet.

Front acrylic door of collapsible type. Properly balanced blowers fitted on 1/4 H.P. electric motor provided on the top portion to supply sufficient air to HEPA Filter provided on the top of the work bench horizontally to supply clean air to the work bench vertically. Pre-filters provided on the top to supply pre-filtered air to the blowers.


**Specifications:**

- Made of 19mm Ply-board.
- Epoxy Painted inside.
- HEPA filter efficiency 99.97% upto 0.3micron.
- Protection grill for HEPA filter.
- Pre-filter efficiency 90% particle retention 75.0 micron.
- Stainless Steel work bench-304 grade.
- UV germicidal lamp 15/30W.
- Fluorescent illumination.
- Cock for gas.
- Static Pressure Manometer 0-50mm range.
- Heavy duty blower dynamically balanced with 0.25HP Electric motor mounted on anti vibration load 1440rpm motor.

Order Code	Working Area Size
TC7580A	2' x 2' x 2'
TC7580B	3' x 2' x 2'
TC7580C	4' x 2' x 2'

**175. Vertical Laminar Air Flow Cabinet (mild Steel Cabinet)-Order Code - TC7581**

All features are same as per TC7580, the only difference is that structure is made from mild steel instead of Plywood.

Order Code	Working Area Size
TC7581A	2' x 2' x 2'
TC7581B	3' x 2' x 2'
TC7581C	4' x 2' x 2'


**176. Vertical Laminar Air Flow Cabinet (stainless Steel)-Order Code - TC7582**

Same as TC7581, only wooden structure is replaced by thick S.S. Sheet. Hazardous chemicals, potential biohazards, radio nuclides and any material that is a potential allergen cannot be used in this type of equipment.

Note: Specifications are subject to change.

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Order Code	Working Area Size
TC7582A	2' x 2' x 2'
TC7582B	3' x 2' x 2'
TC7582C	4' x 2' x 2'

**177. Biosafety Cabinet Class-ii, A-2 (wooden)-Order Code - TC7590**

Structure made of 19mm thick ply-board with melamine lamination. Work bench of perforated stainless steel. Front acrylic door with two holes provided with cloth sleeves. Properly balanced blowers fitted on 1/4 H.P. electric motor provided on the top portion to supply sufficient air to HEPA filter.

One HEPA filter provided on top of work bench horizontally to supply clean air to the work bench vertically. Another HEPA Filter provided on side for exhaust system.

Efficiency of HEPA filters 99.97%, particle retention >0.3 micron. One Pre-filter provided on the top to supply pre filtered air to the blowers. One fluorescent tube and one U.V. germicidal tube provided over work bench. Static pressure manometer fitted. Cock for Gas or air & vacuum line. Ground level screw (4No.) fitted. Back cover fixed with screws for convenient removal for attending blowers, filters and motor when needed. Cabinet fitted with exhaust and virus burnt system.



Order Code	Working Area Size
TC7590A	2' x 2' x 2'
TC7590B	3' x 2' x 2'
TC7590C	4' x 2' x 2'

**178. Biosafe Cabinet, Class-ii, A-2 (mild Steel)-Order Code - TC7591**

Similar to above, but structure made of mild steel, powder coated. Work surface of Stainless Steel.

Order Code	Working Area Size
TC7591A	2' x 2' x 2'
TC7591B	3' x 2' x 2'
TC7591C	4' x 2' x 2'

**179. Biosafe Cabinet, Class-ii, A-2 (stainless Steel)-Order Code - TC7592**

Similar to above, but structure made of Stainless steel. Work surface of Stainless Steel.

Order Code	Working Area Size
TC7592A	2' x 2' x 2'
TC7592B	3' x 2' x 2'
TC7592C	4' x 2' x 2'

**180. Portable Biosafety Cabinet For Field Use-**
**Order Code - TC7593**

Working Area	: 32x24x27cm
Working Surface	: Glossy Stainless Steel
Dimensions	: H-55cm x W -36 cm x D - 25 cm(Approx.)
Weight	: 14.5 Kg. Approx
HEPA filter efficiency	: 99.97 % down to 0.3 micron
Pre filter efficiency	: 99 % down to 5 micron
Power Supply requirement	: 230V A.C. 50 Hz single phase
Power Consumption	: 200 Watt.

Medium Density Fibre (MDF) sturdy body sunmica finish (interior & exterior), Acrylic covers on front & slides, front door height adjustable removable base plate. Carrying Handle & Shoulder Strap for on-filed carrying 9 watt-ultra-violet germicidal lamp over working platform for bio-safety. Noiseless & efficient blowers with speed regulator.


**181. Fume Hood(mild Steel)-Order Code - TC7595**

A Fume Hood or Fume Cupboard is a piece of laboratory equipment design to limit exposure to dangerous fumes. The air inside the fume hood is vented to the outside by air blower. Superior in construction. The design based on independent rigid frame construction assures

- Rugged installation
- Low vibration
- Low installation



The work surface of granite is fitted with small wash basin & good quality tap. A gas cock is also fitted. Sliding sash made of toughened glass moves vertically up and down with concealed counter balanced weights. Chamber is fitted with 36W polycarbonate fluorescent light assembly. Space underneath the work surface is provided with storage compartment. 15/5 Amp socket with switches is provided for light and exhaust system. Supplied with cord and plug to work on 220 volts 1/3 phase 50Hz A.C. Complete with motor blower for exhaust system and Duct to take out fumes.

- Made of Mild Steel duly powder coated.
- Granite Working Platform.
- High Speed Centrifugal Blowers.
- Front Sash with counter weights.
- Fluorescent illumination lights.
- Water tap and PP sink.
- Provision for gas and air connection storage cupboard.

Note: Specifications are subject to change.

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- 15/5 Amp Switches and Socket.

Order Code	Working Area Size
TC7595A	3' x 2' x 2'
TC7595B	4' x 2' x 2'
TC7595C	4' x 2.5' x 2.5'
TC7595D	5' x 2.5' x 2.5'

**182. Fume Hood (Stainless Steel)-**
**Order Code - TC7596**

Same as TC7595, but structure made of stainless steel - Frame of S.S. 304 grade from outside & 316 grade inside.



Order Code	Working Area Size
TC7596A	3' x 2' x 2'
TC7596B	4' x 2' x 2'
TC7596C	4' x 2.5' x 2.5'
TC7596D	5' x 2.5' x 2.5'

**183. Fume Hood (Wooden)-**
**Order Code - TC7597**

Same as TC7595, but structure made of Plyboard covered with melamine lamination from outside & epoxy painted from inside.

- Granite working platform
- High Speed Centrifugal blowers
- Front Sash with counter weights.
- Fluorescent illumination lights.
- Water tap and PP sink
- Provision for gas and air connection storage cup board.
- 15/5 Amp Switches and Socket.

Order Code	Working Area Size
TC7597A	3' x 2' x 2'
TC7597B	4' x 2' x 2'
TC7597C	4' x 2.5' x 2.5'

**184. Insect Storage Box-Order Code - TC7601**

For pinning of insects both inside top & bottom. Teakwood frame with melamine lamination on top & MDF sheet bottom is nicely polished. Top & bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wooden wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.



Order Code	Size
TC7601A	75 x 30 x 7.5cm
TC7601B	30 x 23 x 7.5cm

### 185. Insect Display & Storage Showcase- Order Code - TC7602

For pinning of insects only inside bottom. Specifications similar to TC7601 but with glass in wooden frame on top and MDF sheet bottom is nicely polished. Bottom lined with 8mm thick soft pining, washable EVA sheet. Insects glazed white. Fitted with brass hinges, index card holder & clips.



Order Code	Size
TC7602A	75 x 30 x 7.5cm
TC7602B	30 x 23 x 7.5cm

### 186. Insect Display Showcase- Order Code - TC7603

For display of insects in corridors, laboratory etc. MDF frame with MDF sheet bottom and glass top is nicely polished. Bottom lined with 8mm thick EVA sheet. Raised wall with holes for insecticide inside bottom to make box airtight & pest-proof. Fitted with clips, lock, handle, hanging hooks on ends and fluorescent tube inside. Size 90 x 60 x 11 cm.



### 187. Insect Showcase Cabinet (small)- Order Code - TC7605

For keeping insect storage & display showcase of size 45 x 30 x 6.5 cm of TC7601. Cabinet frame of plyboard with melamine lamination. Hinged door is provided with lock and handle and is lined with velvet.



Order Code	Description
TC7605A	Cabinet with 6 Show case
TC7605B	Cabinet with 12 Show case
TC7605C	Cabinet with 24 Show case
<b>M.S. Cabinet with powder coated Paint Finish</b>	
TC7605D	Cabinet with 10 Show case
TC7605E	Cabinet with 20 Show case

### 188. Insect Showcase Cabinet (large)- Order Code - TC7606

Provided with 53 x 45 x 9cm size drawer for keeping insects. Drawer of MDF with MDF sheet bottom and removable glass top is lined with 8mm thick EVA sheet and is glazed white from inside. Strips with provision for insecticide fitted inside drawer. Glass top frame designed to make box air-tight and pest proof. Fitted



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with index card holder and puller knobs. Nicely polished. Cabinet frame of plyboard with melamine lamination. Hinged door is provided with lock and handle and is lined with velvet.

Order Code	Description
TC7606A	Cabinet with 12 Show case
TC7606B	Cabinet with 24 Show case

### 189. Insect Box With Stretching Strips- Order Code - TC7608

Suitable for taking in field where the insects can be stretched on the spot and can securely be kept inside the box Teakwood frame with melamine lamination on top & MDF sheet bottom is nicely polished. Top & bottom lined with EVA sheet over which adjustable strips provided for stretching insects. Strips can be fixed at one place with fine screws and fly nuts. Fitted with brass hinges, index card holder, clips and handle. Size Approx. 43 x 30 x 11cm.



### 190. Insect Stretching Board (adjustable)- Order Code - TC7610

Board adjustable along the support to obtain desired width for different size insects. Board top & groove fitted with 8 mm thick EVA sheet. Groove adjustable from 0 to 12mm with the help of fine fly-nuts. Material used is teakwood and finished in spirit polish. Size 35 x 12cm.



### 191. Insect Collecting Net-Order Code - TC7611

Ring made of iron wire supported on handle with fine rubber grip at end, length of handle 75cm. 75cm long net bag fitted in ring through 5cm wide cloth rim. Dia of bag at free end 25cm. Ring dia 30cm. Powder coated paint finish.



Order Code	Description
TC7611A	With Aluminium Pipe Handle
TC7611B	With Iron Pipe Handle

### 192. Insect Collecting Net 'executive' (Telescopic)- Order Code - TC7612

Insect Collecting Net, Executive, with Telescopic Handle adjustable from 55cm to 180 cm. Provided with carry bag.



Order Code	Description
TC7612A	With Aluminium Handle, Folding Ring
TC7612B	With Aluminium Handle, Dual Purpose
TC7612C	With Iron Handle, Triangle Type

### 193. Student Plankton Net-Order Code - TC7615

Made of No. 12 standard silk bolting cloth, 125 mesh per sq. Inch. 89 cm. long net bag suspended by muslin reinforcement to a 24 cm. dia ring. Three braided leaders attached to swivel front. Tail of bag with 2 cm. Opening closed by tying cloth tape for placing glass vial.



### 194. Zooplankton Net-Order Code - TC7616

Plankton Net. Diameter entrance : 130mm, ring diam. 180mm, includes bucket, meshes & Front demountable, available in 4 sizes : 63,80,153,243 um. Big bag.



### 195. Spare Bag For Zooplankton Net-Order Code - TC7617

80/150/250 mesh size

### 196. Surber Stream Bottom Sampler-Order Code - TC7620

Surber Stream Bottom Sampler. 9" diameter where net collar meets net filter. 24" long from collar to filter, folds flat storage, Open base encloses area of 12"x12" (one square foot), available in 500 micron mesh, stainless steel frame for maximum corrosion resistance, includes case.



### 197. Aquatic Net-Order Code - TC7625

Removable, rigid D-shape frame 30cm across, mesh bag with thick cloth rim. 75 cm iron pipe with powder coated paint finish handle with rubber grip at end.



Order Code	Description
TC7625A	Aquatic Net, D-Shape
TC7625B	Aquatic Net, Triangle Shape
TC7625C	Aquatic Net, Rectangular Shape
TC7625D	Aquatic Net, Round Shape
TC7625E	Telescopic Handle for Nets

### 198. Field Collection Bag-Order Code - TC7628

Fine quality water proof canvas bag with shoulder and back straps. Pockets on sides and front for bottles and specimen collection accessories and records.



Note: Specifications are subject to change.

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Order Code	Description
TC7628A	Field Collection Bag (with Accessories)
TC7628B	Field Collection Bag Executive (Without Accessories)
TC7628C	Field Collection Bag Executive (With Accessories)

### 199. Sorting Tray, Plastic-Order Code - TC7630

For sorting specimens of same population for individual examination. Made of moulded polystyrene.



### 200. Versatile Insect Storage System-Order Code - TC7650

An all new 'VERSATILE' space efficient, elegant looking, sturdy and compact system for insect storage supported with care, safety-privacy vis-à-vis being compact to accommodate large quantity in less space, easy to handle, convenient to monitor sort.



The system contains Compactor units which can be arranged to suite your requirements, according to the space available and above all can be secured with a single lock.

The metallic compactor units made of mild steel with powder coated paint finish can be moved for handling the specimens and again joined to be locked only on the end unit and all units are secured. Showcases are arranged in rows of 20 each with two rows in each unit. End units are for 40 showcases whereas the intermediate units accommodate showcases back to back, i.e., 80 showcases and again the end unit for 40 showcases. Intermediate units can be increased as per space requirement. There are options for showcases, metallic or wooden. Size options of 53x45x7.5cm. or 45x45x7.5cm. or 45x30x6.5cm. with pinning EVA sheet is base, provision for insecticide, puller knobs, index card holder etc.

### Versatile Insect Storage System

Consists of four numbers of optimizers placed together. Anyone of the four can be moved to make space between two optimizers. Inside each optimizer, racks are provided for storing 40 numbers of insects showcases of size 53x45x9cm. or 45x45x7.5cm or 45x30x6.5cm. arranged in two vertical rows. In middle optimizers, storage space in back to back, i.e., middle optimizers are for 80 showcase each and side optimizers for 40 showcases each. Optimizer body is in rigid knock down construction. Made of CRCA sheet and powder coated with epoxy polyester powder. Provided with Sliding glass doors.

Undercarriage is a welded frame of HR sheet. Bodies are

bolted to undercarriages and these move on channels. Centralized all the units are brought together.

1. Showcase of MDF with plywood bottom and removable glass top in lined with 8mm thick EVA sheet and is glazed white from inside. Wooden batons with provision for insecticide fitted inside showcase. Glass top frame designed to make box air tight and pest proof. Fitted with index card holder and puller knobs.
2. For Pinning of Insects on Bottom. White hardwood Teakwood with glass in wooden frame on top & MDF Sheet bottom is nicely polished. Bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wooden wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.
3. For pinning of insects both inside top & bottom. White hardwood Teakwood frame with melamine lamination on top & MDF sheet bottom is nicely polished. Top & bottom lined with 8 mm thick soft pinning, washable EVA Sheet. Inside glazed white. Raised wall with holes for insecticide inside bottom to make box air tight and pest proof. Fitted with brass hinges, index card holder & clips.

### 201. Electrophoresis Horizontal Mini-gel- Order Code - TC7905

In agarose gels under submerged conditions, is the most efficient way to separate nucleic acids (DNA/RNA) fragments. In this mechanism, the entire gel is submerged below the surface of the buffer. In order to make sample wells in gel, suitable lot formers (also known as 'Comb') is place in the gel platform during gel casting. After the gel is set, the comb is taken and rectangular wells are obtained.



- It is required for different application in Biotechnology & Molecular Biology in Colleges, Universities & Research institutes.
- It is meant for Nuclear Acid( DNA-RNA) characteristic.
- These are also calls Submarine (Agarose) electrophoresis (mini/ standard module).
- The unit is joint less, moulded of transparent polycarbonate to avoid leakage.
- It is fitted with 2 platinum Electrodes and supplied with transparent joint less safety lid which is also made of polycarbonate.
- Supplied with safety lid & connecting cord & instruction manual.

#### Supplied With Following Accessories

- Comb 9 Walls - 10 Teeth - (Set of 2 pcs.)
- Comb of 11 Walls - 12 Teeth - (Set of 2 Pcs.)
- Comb of 11 Walls - 14 Teeth - (Set of 2 Pcs.)
- Casting Tray, Size 10x7cm - (Set of 1 Pcs.)

Note: Specifications are subject to change.

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- Casting Tray, Size 7x7 cm - (Set of 1 Pcs.)
- Red and Black Cable - (1 Each)

### 202. Electrophoresis Vertical Mini-gel- Order Code - TC7906

It is very essential equipment to study proteins, enzymes & nucleotides. These gels are made as slabs as electrophoresis is accomplished vertically. This vertical slab Gel mechanism has cathode chamber at top & anode chamber at bottom. Polyacrylamide gel moulded in a glass sandwich & sample wells are made on top by using suitable well forming combs. The cathode chamber is notched so as to create buffer contact with the gel on top while the bottom of the gel is in contact with the anode reservoir.



- It is required in biotechnology, Molecular Biology application in colleges, Universities, Research institutes.
- It is meant for protein characterization. The buffer chamber is joint less, moulded of transparent polycarbonate to avoid leakage. The unit is based on acrylic sheet fitted with 3 leveling screws. Completed with acrylic cover.

#### Technical Parameters

- Dimensions (Outer) (LxWxH) : 15x15x15 cm.
- Gel Size ( cm) : 8x7 (1 Gel)
- Buffer Required (ml) : 100 + 150
- Platinum Electrodes : 2 Nos.

#### Supplied with following accessories

- Wires black and red - 1 each.
- Glass plate -1 and 1 notched rectangular Total 2 nos.
- One set spacers of 0.1mm, 1.5mm - 4 pcs. each.
- 4 sets of Nylon moulded combs of 7 wells & 10 wells in 0.1mm and 1.5mm thickness.
- Silicon Gasket - 1 No.

### 203. Vertical Slab Gel Electrophoresis Mechanism - Universal Model-Order Code - TC7907

It looks like a mini/student gel system because it is double the size of it. This is a laboratory scale mechanism. The electrophoresis 16x20cm. & can accomplished 13 samples simultaneously. When a sample contain several proteins, electrophoresis in mini gels will not give sufficient resolution. In such cases, sample has to be electrophoresed for longer duration in larger gels. This type of regular model is most suitable for this purpose.



This elementary unit consists of detachable platinum electrode assembly (2), Glass plates Notched & Rectangular (1 Set), Teflon Clamps, Spacers Clamps with screw. Supplied without power supply & buffer.

#### 204. Paper Strip Electrophoresis Apparatus Horizontal Model-Order Code - TC7908



**Supplied without power supply and without buffer**

- The buffer chamber is made out of single moulded piece to avoid leakage of buffers.
- It is made of transparent poly carbonate.
- The unit have 2 platinum electrodes, supplied with their banana sockets defined in black and red colour.
- Horizontal paper strip holder to adopt 3 pare strips is supplied with horizontal unit.
- Supply complete with respective protection cover, red and white cables.
- To work on 220 volts 50 Hz A.C.
- Packed in corrugated box with instruction manual.

#### 205. Paper Strip Electrophoresis Apparatus Vertical Model-Order Code - TC7909



**Supplied without power supply and without buffer**

- The buffer chamber is made out of single moulded piece to avoid leakage of buffers.
- It is made of transparent poly carbonate.
- The unit have 2 platinum electrodes, supplied with their banana sockets defined in black and red colour.
- Vertical paper strip holder to adopt 3 pare strips is supplied with vertical unit.
- Supply complete with respective protection cover, red and white cables.
- To work on 220 volts 50 Hz A.C.
- Packed in corrugated box with instruction manual.

#### 206. Stabilized Analog D.c. Power Supply- Order Code - TC7915

This power supply is very simple to operate. It is very ideal for student practical classes & routine clinical work. It is designed to give 50, 100, 150, 200 or 250 volts constantly indicated by LED on each point. Its maximum  
Note: Specifications are subject to change.

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current is up to 100 mA. This new design, light weight & Compact model is suitable for almost all type of Electrophoresis Apparatus.



#### 207. Digital Stabilized Power Supply- Order Code - TC7916

Output-Variable 0-300 VDC  
Maximum current - 100 mA  
Constant Voltage / Constant Current Unit  
Automatic cross over facility  
Display - Digital, overload / short circuit protection

Light weight & Compact model for general purpose Electrophoresis Applications operates at constant voltage & constant current with automatic crossover.



#### 208. Gel Scoop-Order Code - TC7920

Made of 3 mm UV transparent acrylic for easy transfer of polyacrylamide and agarose gels between electrophoresis unit stain or de-stain tray and transilluminator tapered edge for easy lifting of gel and guide on sides prevent gel from moving.

Order Code	Size
TC7920A	7.5 x 10cm
TC7920B	14 x 20cm
TC7920C	20 x 20cm

#### 209. Gel Caster-Order Code - TC7921

For mini Horizontal Electrophoresis per piece.

#### 210. Float Racks-Order Code - TC7922

Square Capacity 1.5ml, pkt. of 6 pcs.

#### 211. Round Racks-Order Code - TC7923

Square Capacity 1.5ml. pkt. of 6 pkts.

#### 212. Gel Developing Tray-Order Code - TC7924

#### 213. UV- Transilluminator-Order Code - TC7925

An ultraviolet (UV) Transilluminator is a standard piece of equipment used in life science laboratories used for visualization of target DNA's and proteins . The UV Transilluminator works by existing high levels of UV radiation through the



viewing surface . the key application for a UV transillumination is for Visualization of DNA and protein agrose and polyacrylomide gels after electrophoresis gels can be directly placed onto the UV transilluminator, wavelength will vary on your particular application.

Transilluminator is required in biotechnology, Molecular Biology applications in colleges, Universities, Research Institutes.

These are college model transilluminators having detection limit minimum 200ng. Specification is given on left hand side.

#### 214. UV Transilluminator - Research Model- Order Code - TC7926

UV Transilluminator smart look, very accurate for research work. Body of this transilluminator is pressure die cast and furnished in black powder coting.

##### Specification

Dual Intensity	: 302 & 365 nm
No. of U.V Tubes	: 6 imported
Wattage	: 8 watts
Detection limit	: 0.01 ngm. of stained DNA
View Area	: 210 x 260 cm approx.
Filter	: Quartz UV Filter
UV Protection Shield	: Yes

##### Protection While Using UV Transilluminator

The Perspex shield supplied should be closed while the UV light is on.

- All person in the room must cover all exposed skin .
- Face and eyes must be covered by wearing an approximately UV absolutely full face shielded.
- Heavy duty rubber gloves should be wear on the hands. Standard laboratory gloves are not suitable for hand protection from UV.

#### 215. Ultra Violet Fluorescence Inspection Cabinet- Order Code - TC7930

For visualization of test objects under UV tubes having long wavelength (365nm) and short wavelength (254nm) as desired. A flouorescent tube is fitted to the unit for day light visualization.

To work on 220/230Volts AC supply.



Order Code	Description
TC7930A	Single Tube, 365nm
TC7930B	Double Tube, 365nm
TC7930C	Double Tube, 365 & 254nm

#### 216. Bunsen Burner (Economy Model)- Order Code - TC8160

- Base made from sheet metal, powder coated.
- Brass pipe chrome plated.



#### 217. Bunsen Burner (Special Type)- Order Code - TC8163

- Sheet metal base.
- Flame can be adjusted by the ring of lower part of burner.
- Produce a single open gas flame which is used for heating sterilization and combustion.



#### 218. Bunsen Burner (cast Iron Heavy Base)- Order Code - TC8164

- Heavy cast iron base.
- Powder coated base.
- Brass pipe chrome plated.
- Flame adjusted by the ring.



#### 219. Bunsen Burner With Stop Cock- Order Code - TC8165

- Same as TC8164
- Fitted with superior quality Brass stop clock.



#### 220. Mecker Burner (big Size)- Order Code - TC8166

- Made of heavy Brass pipe C.P
- Height of brass pipe is 180 mm & top diameter is 25mm
- Heavy cast iron base.



#### 221. Mecker Burner (Big Size) With Stop Cock-Order Code - TC8167

- Same as TC8166
- Fitted with superior quality Brass stop clock.



#### 222. Tripod Stands-Order Code - TC8168

Cast iron having black powder coated top zinc plated rod and plastic feet.

Order Code	Size
TC8168A	6" x 4"
TC8168B	7" x 4"
TC8168C	8" x 4"
TC8168D	8" x 5"



#### 223. Tripod Stands (Stainless Steel)- Order Code - TC8169

Manufactured from thick Stainless Steel Wire. These tripod stands are meant to be used in conjunction with wire gauge, triangles or a sand bath.

Order Code	Size
TC8169A	7" x 5"
TC8169B	8" x 5"



Note: Specifications are subject to change.

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**224. Gas Taps-Order Code - TC8170**

Best quality all brass chrome plated, Hexagonal Stop Cock.

Order Code	Description
TC8170A	One Way
TC8170B	Two Way
TC8170C	Three Way
TC8170D	Four Way



alkalis, ammonia etc.

- The temp. stability for Tesca rubber tubing is between -25°C to 70°C.



Coil of 10 meters

Order Code	Bore mm (Approx)	Wall Thickness
TC8180A	5.0	1.5mm
TC8180B	6.0	1.5mm
TC8180C	7.0	1.5mm
TC8180D	8.0	1.5mm
TC8180E	9.0	2.0mm
TC8180F	10.0	2.0mm
TC8180G	12.0	2.5mm

**225. Spirit Lamp (Stainless Steel)-  
Order Code - TC8172**

Spirit Lamp is like an ordinary lamp but this lamp uses ethanol i.e. ethyl alcohol as a fuel. This lamp is used mostly in laboratories and mainly inside a laminar air flow chamber which is a sterile cabin, whose most of the biotech and microbiology particulates are held. Ethanol is used as a fuel instead of other commercial fuels because this will easily evaporate and will not produce smoke and hence we can avoid contaminations.

Made from superior quality S.S. Sheet.


**226. Wire Gauges-Order Code - TC8175**

Manufactured from galvanized iron wire with a circular ceramic center.

Order Code	Gauge dimension	Ceramic Center Dia
TC8175A	150 x 150mm	90mm


**227. Ceramic Triangles-Order Code - TC8176**

Manufactured from ceramic cylinders around iron wire.

Order Code	Ceramic Cylinder Dimension
TC8176A	50mm
TC8176B	60mm


**228. Retort Ring-Order Code - TC8177**

Made of mild steel rod powder coated, fitted with T-type chrome plated screw.

Order Code	Size
TC8177A	2"
TC8177B	2.5"
TC8177C	3"
TC8177D	4"


**229. Rubber Tubing (Extra Soft Quality)-  
Order Code - TC8180**

- Our Rubber Tubings & corks are extremely soft & confirm to the Govt. Specifications.
- In addition to softness, it is resistant to dilute acid, alkalis, ammonia etc.

Note: Specifications are subject to change.

**230. Rubber Tubing (Ordinary Pressure)-  
Order Code - TC8181**

- Our Rubber Tubings & corks are extremely soft & confirm to the Govt. Specifications.
- In addition to softness, it is resistant to dilute acid, alkalis, ammonia etc.
- The temp. stability for Tesca rubber tubing is between -25°C to 70°C.



Coil of 10 meters

Order Code	Bore mm (Approx)	Wall Thickness
TC8181A	3.0	3.0mm
TC8181B	4.5	3.0mm
TC8181C	6.0	3.0mm
TC8181D	8.0	3.0mm
TC8181E	9.0	3.0mm
TC8181F	10.0	3.5mm
TC8181G	12.0	4.5mm

**231. Rubber Tubing (High Pressure)-  
Order Code - TC8182**

- Our Rubber Tubings & corks are extremely soft & confirm to the Govt. Specifications.
- In addition to softness, it is resistant to dilute acid, alkalis, ammonia etc.
- The temp. stability for Tesca rubber tubing is between -25°C to 70°C.



Coil of 10 meters

**Tesca Technologies Pvt. Ltd.**

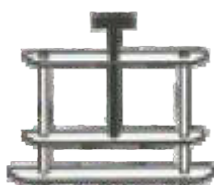
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Order Code	Bore mm (Approx)	Wall Thickness
TC8182A	3.0	4.5mm
TC8182B	4.5	4.5mm
TC8182C	6.0	4.5mm
TC8182D	8.0	4.5mm
TC8182E	9.0	4.5mm
TC8182F	12.0	6.5mm

### 232. Hoffman's Screw Clamp- Order Code - TC8183

The flexible tubing clamp is a screw compressor form with swivel lower jaw. The clamp holds tubing from ¼" to 1" outside Diameter and is constructed from brass wire & sheet.



### 233. Pinch Clip-Order Code - TC8184

Pinch clip is used on tubing to control the flow of liquid through the tubing. Heavy type.



### 234. Rubber Corks-Order Code - TC8185

Rubber stopper/ cork are manufactured from natural elastic rubber. The temperature stability for rubber stopper is between -25°C to +70°C.

Order Code	No.	Top mm Dia ±0.2	Bottom mm Dia ±0.2	Height mm Dia ±0.2
TC8185A	00	9.0	6.0	-
TC8185B	0	13.0	9.0	15.5
TC8185C	1	14.0	11.0	18.5
TC8185D	2	16.5	13.0	20.0
TC8185E	3	19.0	14.0	21.0
TC8185F	4	21.0	15.0	22.0
TC8185G	5	22.5	17.5	23.0
TC8185H	6	24.5	20.0	24.0
TC8185I	7	26.0	20.0	27.5
TC8185J	8	26.5	21.0	27.5
TC8185K	9	28.0	21.5	31.0
TC8185L	10	30.0	26.0	33.0
TC8185M	11	33.0	29.0	32.0
TC8185N	12	34.5	30.0	34.5
TC8185O	13	38.5	31.0	37.0
TC8185P	14	41.5	32.0	42.5
TC8185Q	15	42.0	38.0	40.5
TC8185R	16	45.0	35.0	36.5
TC8185S	17	49.5	40.0	40.5
TC8185T	18	53.5	48.0	33.5
TC8185U	19	58.0	44.0	45.0
TC8185V	20	60.0	51.0	56.5

Note: Specifications are subject to change.

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### 235. Rubber Corks With Holes- Order Code - TC8186

All types of rubber corks, mentioned under TC8185 can be supplied with one hole & two holes at extra price. Please add following extra charges for single/double holes.



Order Code	Description
TC8186A	Charges for single Hole
TC8186B	Charges for Double Hole

### 236. Silicon Rubber Corks (Translucent)- Order Code - TC8188

Silicon rubber cork are produced from biologically inert silicon. Temperature stability for silicon stopper is between -60°C to +70°C.



Order Code	No.	Top mm Dia ±0.2	Bottom mm Dia ±0.2	Height mm Dia ±0.2
TC8188A	9	9	11.5	20
TC8188B	11	11	14.0	24
TC8188C	13	13	16.0	24
TC8188D	15	15	18.0	24
TC8188E	17	17	20.0	26
TC8188F	18	18	21.0	26
TC8188G	19	19	22.5	28
TC8188H	23	23	25.5	28
TC8188I	25	25	28.5	28
TC8188J	27	27	31.0	32
TC8188K	29	29	33.0	32
TC8188L	31	31	36.0	35
TC8188M	33	33	38.5	38.5

### 237. Cork Borer-Order Code - TC8190

These Cork Borers are of sharpened brass tubing with attached handles. A ramrod is supplied with each set.

Order Code	Description
TC8190A	Set of 3
TC8190B	Set of 6
TC8190C	Set of 12



### 238. Cork Borer (German Type)- Order Code - TC8191

These Cork Borers have brass handles which are swedged and soldered onto the special hard brass cutting tube. The handles will not come off. The special grade of hard brass used in the tubes of these borers enables them to retain their sharp cutting edges. The tubes have heavy walls and therefore retain their concentric shape. A ramrod is supplied with each set.

Order Code	Description
TC8191A	Set of 3
TC8191B	Set of 6
TC8191C	Set of 12



### 239. Watch Glass-Order Code - TC8192

These watch glasses are moulded with same radius of curvature so that they will stack conveniently. The edges are ground and annealed to remove strain. They are ideal to weigh different substances and chemicals.



Order Code	Size
TC8192A	2"
TC8192B	2.5"
TC8192C	3"
TC8192D	4"

### 240. Weighing Bottles-Order Code - TC8193

- With interchangeable stopper.
- Manufactured from borosilicate glass 3.3 grade with light weight construction enables practical use.
- They have interchangeable lids which fit the bodies perfectly. The white labelling area is suitable for writing notes.



Order Code	Capacity ml	O.D.X Height mm	Shape
TC8193A	15	25x60	Tall Form
TC8193B	25	30x65	Tall Form
TC8193C	20	50x35	Squat Form
TC8193D	40	60x40	Squat Form

Note: Specifications are subject to change.

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### 241. Water Taps-Order Code - TC8195

We manufacture and supply laboratory Taps in different specifications to suit varied requirements of clients. This is designed with the help of latest technology with dimensional accuracy, high performance & long functional life that made these a perfect choice in all kind of laboratories. These are manufactured using quality brass that provides an elegant look and can be fitted for laboratory bench and laboratory furniture. We are supplying three types of swan neck water tap. These products are known in the market for their quality standards and salient features. Our range is designed and produced as per the prescribed guidelines and are in conformation with International Quality norms. We source best raw materials for our production process for the authorized vendors of the market, who guarantee their supplies.



Order Code	Description
TC8195A	One Way
TC8195B	Two Way
TC8195C	Three Way

### 242. Laboratory Jacks-Order Code - TC8196

Iron Steel / Stainless Steel This laboratory scissors jack to elevate equipment for various lab setups. This scissors jack is made from either iron or high grade stainless steel sheet for durability & is sturdy enough to withstand heavy laboratory use. Following sizes are available.



Order Code	Top Size
<b>Jack Made from Iron Sheet</b>	
TC8196A	6" x 6"
TC8196B	8" x 8"
TC8196C	10" x 10"
<b>Jack Made from High Grade Stainless Steel</b>	
TC8196D	6" x 6"
TC8196E	8" x 8"
TC8196F	10" x 10"

### 243. Test Tubes - Neutral Glass (Plain Round Bottom)-Order Code - TC8300

Neutral & Borosilicate Glass (3.3 grade) A test tube, also known as a sample tube, is a common piece of laboratory glassware consisting of a finger-like length of glass tubing, open at the top, usually with a rounded U-shaped bottom. Large number of test tubes are also used for boiling liquids is also called boiling tubes.

We are manufacturing different types of test tubes (both in neutral & borosilicate glass 3.3 grade) in a multitude of length and width, typically from 10mm to 25mm wide and 75mm to 200mm long. All tubes are provided with rim or without rim (as per customer's requirements).

- Test tubes are made from either Neutral pharmaceutical glass or heat resistant borosilicate 3.3 grade glass
- Especially boro 3.3 grade glass tube show excellent stability under temperature changes.

Order Code	Outer Dia x Ht. (mm)	Wall Thickness (mm)
TC8300A	10 x 75	1.0
TC8300B	12 x 75	1.0
TC8300C	12 x 100	1.0
TC8300D	15 x 125	1.0
TC8300E	15 x 150	1.0
TC8300F	18 x 150	1.0
TC8300G	25 x 150	1.0
TC8300H	25 x 200	1.0

### 244. Test Tubes - Borosilicate Glass 3.3 Clear Glass Tubing (Plain Round Bottom)-Order Code - TC8301

Neutral & Borosilicate Glass (3.3 grade) A test tube, also known as a sample tube, is a common piece of laboratory glassware consisting of a finger-like length of glass tubing, open at the top, usually with a rounded U-shaped bottom. Large number of test tubes are also used for boiling liquids is also called boiling tubes.

We are manufacturing different types of test tubes (both in neutral & borosilicate glass 3.3 grade) in a multitude of length and width, typically from 10mm to 25mm wide and 75mm to 200mm long. All tubes are provided with rim or without rim (as per customer's requirements).

- Test tubes are made from either Neutral pharmaceutical glass or heat resistant borosilicate 3.3 grade glass
- Especially boro 3.3 grade glass tube show excellent stability under temperature changes.

Order Code	Outer Dia x Ht. (mm)	Wall Thickness (mm)
TC8301A	10 x 75	1.0
TC8301B	12 x 75	1.0

Note: Specifications are subject to change.

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Order Code	Outer Dia x Ht. (mm)	Wall Thickness (mm)
TC8301C	12 x 100	1.0
TC8301D	15 x 125	1.0
TC8301E	15 x 150	1.0
TC8301F	18 x 150	1.0
TC8301G	25 x 150	1.2
TC8301H	25 x 200	1.2

### 245. Suba Seal Rubber Stoppers-Order Code - TC8302

Auto-clavable with turn over Flange Plain or Serration for Test Tube

Order Code	Size
TC8302A	12mm
TC8302B	15mm
TC8302C	18mm
TC8302D	25mm



### 246. Laboratory Stand (Retort Stand Cast Metal)-Order Code - TC8305

This larger and heavier stand features a cast iron base with chemical resistant finish. These base sizes are approximately 8" x 5" & 9" x 6". The rod is 24" long x 12mm in diameter. The larger size and heavy cast iron construction provides a very stable stand for most of the application.

Order Code	Base Size	Rod Size
TC8305A	8" x 5"	24" x 0.5"
TC8305B	9" x 6"	24" x 0.5"



### 247. Laboratory Stand (Retort Stand Mild Steel Sheet)-Order Code - TC8306

Made of mild sheet with leveling screw and unbreakable glass jack feet. Supplied with steel rod.

Order Code	Base Size	Rod Size
TC8306A	8" x 5"	24" x 0.5"
TC8306B	9" x 6"	24" x 0.5"



### 248. Die Pressed Burette Clamps (Fisher Type)-Order Code - TC8307

Made of thick M.S. Sheet, all die pressed symmetrical non-breakable holds the burette straight in two jaws have V-Grooves in which burette rest and other presses it is due to spring force. Boss heads can accommodate upto 18mm dia rod. Totally Powder coated clamp.



Order Code	Description
TC8307A	For Single Burette
TC8307B	For Double Burette

### 249. Fisher Clamp (Sheet Metal)-

#### Order Code - TC8308

Sheet made, die pressed, Spring controlled, Cork lined jaws to hold from 12mm to 50mm diameter articles. Light but sturdy, with BRASS wing nut. Supplied with sheet metal boss head. Powder coated clamp.



### 250. Laboratory Stand (Plastic Retort Stand)-

#### Order Code - TC8309

The non-corrosive, molded retort stand provide excellent replacement for the metal ones. Even the metallic rod has a polypropylene covering making it non corrosive screwed into the heavy base giving way to a perfectly stable retort stand.

Base Size	Rod Size
9" x 6"	24" x 0.5"



### 251. Universal Burette Clamp

#### (Plastic Retort Stand)-

#### Order Code - TC8310

These clamps are moulded in polypropylene making it completely corrosion proof.



### 252. Three Finger Clamp-Order Code - TC8315



- Made of Aluminium alloy die casting.
- Two separately adjustable clamp enable perfect control of holding pressure and precise positioning of the objects.
- Clamps can be opened and closed accordingly with a gripped of 70mm.
- Supplied with solid stem of diameter 8 mm with length of 7".
- Jaws are powder coated which are rubber covered for gentle hold of the objects.
- Completed with boss head of TC8319.

### 253. Four Finger Clamp-Order Code - TC8316



- Specifications are exactly same as per TC8315 only Clamps jaws are made of die casted aluminium four finger type.
- Completed with boss head of TC8319.

### 254. Universal Clamp-Order Code - TC8317



- Die casted, made of special aluminium alloy provided with 7" mild steel rod chrome plated and holds upto 70mm dia articles, jaws are cork lined, aluminium clamp is staple painted.
- Supplied with boss head of TC8319.

### 255. Clamp Three Prongs

#### (Special Type)-Order Code - TC8318



- Made of Al-alloy die casting.
- Two separately adjustable clamp enable perfect control of holding pressure and precise positioning of the objects.
- Clamps can be opened and closed accordingly with a gripped of 70mm
- Swivel mechanism which enables the object freely swivel 360° & lockable at any desired angle. Complete with an integral boss head usable for rods, maximum dia. of 16mm.

### 256. Boss Head-

#### Order Code - TC8319

- Made of Aluminium alloy die casted with mild steel screws to hold upto 16mm diameter, powder coated finish.



### 257. Deflagrating Spoon (Stainless Steel)-

#### Order Code - TC8325



A deflagration spoon is used in chemistry experiments when the burning of phosphorus, sulphur or another substance is required. It is capable of withstanding high temperatures and is equipped with features to facilitate working in this environment, such as a long handle angled to keep heat away from the hand.

### 258. Sodium Spoon (All brass)-

#### Order Code - TC8326

For handling sodium under water. Chrome plated wire stem and strong wire gauge cage to safety cage to safety enclose the sodium.

### 259. Platinum Loop Holder (Brass C.P.)-

#### Order Code - TC8327

Made of brass with adjustable chuck, mounted in Bakelite handle.

### 260. Platinum Wire (Flame Test)-

#### Order Code - TC8328

Consists of a 2.5cm of SWG No. 34 platinum wire set into a 10cm glass handle.



### 261. Filter Pump-Order Code - TC8329

This modern type filter pump was designed and manufactured to fulfill the need for an efficient Air ejector. In addition to the customary filtering use, the filter pump can also be used in the urea nitrogen test employing the aeration method. The Tesca filter pump is made entirely of brass and is chrome plated to resist corrosion and give a neat appearance.



Diameter of pipe is 5/8"(approx. 16mm)

### 262. Water Bath Copper-Order Code - TC8330

It is made of heavy copper with a cover formed of concentric rings to provide various opening. There is a cover with knob in the center of each set. Each ring is recessed to take the next smaller ring.

Order Code	Size
TC8330A	5"
TC8330B	6"



### 263. Porcelain Crucibles-Order Code - TC8335

Manufactured from glazed porcelain both inside & outside. Crucibles are widely used for chemical analysis & for heating small quantity of solid to very high temperature. These crucibles can resist temperatures upto 11500C.

Order Code	Size
TC8335A	15ml
TC8335B	25ml



### 264. Platinum Crucibles-Order Code - TC8336

Platinum crucible exhibits excellent resistant to chemical reaction & has a high melting point. Manufactured from

99.9% pure platinum.

These crucible does not include lids. Lids must be purchased separately.

- Can be used upto 120000C.
- Maintains strength at high temperature.
- High corrosion.
- Resistance against acids & melted salts.

Order Code	Capacity	Approx Weight
TC8336A	10ml	8.5gram
TC8336B	15ml	11gram
TC8336C	25ml	20gram
TC8336D	30ml	25gram
TC8336E	50ml	42gram

These crucibles are without lid.

### 265. Lids For Platinum Crucibles-

#### Order Code - TC8337

Manufactured from 99.9% pure platinum.

Order Code	Description	Weight
TC8337A	Lid for 10ml Crucible	2.5gram
TC8337B	Lid for 15ml Crucible	4gram
TC8337C	Lid for 25ml Crucible	5gram
TC8337D	Lid for 30ml Crucible	5gram
TC8337E	Lid for 50ml Crucible	8gram

Spare lids are supplied with Platinum crucible only.

### 266. Crucible Tongs-Order Code - TC8338

Crucible Tongs from TC8338A to TC8338E which are listed below are all of new improved styles.

The tongs are made of a heavy material wire. The joints are flattened at the rivet to prevent the handles from shifting out of alignment. The tips are carefully formed. The finger grip are roomy to facilitate handling. These tongs are made from a variety of different material to meet every laboratory requirement.



Order Code	Length	Material nNumber
TC8338A	6"	Mild Steel Printed
TC8338B	8"	Mild Steel Printed
TC8338C	6"	Stainless Steel
TC8338D	8"	Stainless Steel
TC8338E	10"	Stainless Steel

### 267. Furnace Tongs (Stainless Steel)-

#### Order Code - TC8340

Manufactured from heavy wire of stainless steel. These tongs are very much similar to TC8338. Because of its larger size it is called as Furnace Tongs.



Order Code	Size
TC8340A	12"
TC8340B	15"
TC8340C	18"
TC8340D	24"

**268. Flask Tong (Stainless Steel)-  
Order Code - TC8341**

These tongs were designed to handle laboratory flasks containing hot or corrosive liquids. Neither the flask nor the tongs themselves can slip or get out of the grip. The tongs are made of stainless steel to resist corrosive fumes and to prevent rusting. Approximately size 12" long.



**269. Spatulas-Order Code - TC8342**

Made from superior quality stainless steel sheet, which are corrosive resistant. The S.S. sheet used is flexible so that the spatula is especially convenient for handling materials which are to be weighed. One end spoon & other end flat.

Order Code	Size
TC8342A	4"
TC8342B	6"
TC8342C	8"
TC8342D	10"



**270. Beaker Tong (stainless Steel)-  
Order Code - TC8343**

These tongs were designed to handle beakers containing hot or corrosive liquids. The tong is made of stainless steel which is tough, resists bending and does not rust. Jaws are covered with either asbestos or cork sheet. Size approx. 12" long.



**271. Micro Spatulas-Order Code - TC8344**

Made of S.S. Wire - Spoon type (in form of wire only.)

Order Code	Size
TC8344A	4"
TC8344B	6"
TC8344C	8"



**272. Porcelain Evaporating Dish (Round Bottom)-Order Code - TC8345**

- China dish round in bottom
- Externally and internally manufactured from glazed porcelain except the spout.
- A perfect product for heating or evaporating liquids.

- Not recommended to use with direct flame in order to prevent unexpected breakage.

Order Code	Size
TC8345A	3"
TC8345B	4"



**273. Sealing Film, Parafilm-  
Order Code - TC8346**

- Most common sealing film used in laboratories.
- Resistant to salt solution inorganic acid and alkaline solution up to 48 hours.
- Prevents leakage and spill of liquids in a container in case of an accidental fall.
- Size 4" width, 125 feet long.



**274. Litmus Paper-Order Code - TC8347**

Simple and completely impregnated indicator papers. They only indicate if the pH of a solution is above or below the point of color change. The blue litmus paper has a pH range of 8.0-5.0 and the color changes from blue to red. The red litmus paper has a pH range of 5.0-8.0 and the color changes from red to blue.

Order Code	Colour	Width	Length
TC8347A	Red	7mm	70mm
TC8347B	Blue	7mm	70mm

**275. Filter Paper (Handmade)-  
Order Code - TC8348**

Dr. Watt make

Order Code	Size
TC8348A	11cm
TC8348B	12.5cm

**276. Filter Paper (Machine made)-  
Order Code - TC8349**

No. 1 in quality.

Order Code	Size
TC8349A	11cm
TC8349B	12.5cm

**277. Magnetic Stirrer (With Hot Plate)-  
Order Code - TC8350**

- Highly polished S.S. top plate for optimum heat transfer.
- PMDC motor for higher torque even at low speeds.
- Provided with electronic speed regulator.
- Temperature is controlled by energy regulator.
- Stirring is accomplished by a small Teflon coated



magnetic peddle.

- All our magnetic stirrers are supplied with hot plate.

Order Code	Capacity
TC8350A	2 Liters
TC8350B	5 Liters

### 278. Digital Magnetic Stirrer-

#### Order Code - TC8351

Same as TC8350, but provided with digital display of Temperature & Speed (More accurate version).

Order Code	Capacity
TC8351A	2 Liters
TC8351B	5 Liters



### 279. Magnetic Stirrer Multiple Stage (With Hot Plate)-Order Code - TC8352

Same as TC8350, but with multiple stage.

Order Code	Description
TC8352A	Multiple Storage - 3 Storage
TC8352B	Multiple Storage - 6 Storage

### 280. Round Magnetic Stirrer Bar-

#### Order Code - TC8353

Small size round magnet coated in plastic such as PTFE approx. 50 x 9 mm.

### 281. Melting Point Apparatus-Order Code - TC8355

- Useful in the determination of the melting point of any substance upto 300°C.
- Casted Al. housing with powder coated finish.
- Radial holes admits a thermometer capillary.
- Energy regulator is provided as heat controller.



### 282. Precision Digital Melting Point Apparatus-

#### Order Code - TC8356

- Designed for determination of melting point of solid samples & boiling point of liquid samples.
- Cylindrical silicon oil bath.
- In built magnetic stirrer with speed regulator.
- Glare free back light with adjustable light intensity.
- Provision for holding melting point display when sample melts.
- Provided with magnetic rotor set of capillaries & magnifier.
- Temp. range : 2 degree above room temp. to 300°C.
- Readability : 1°C.



### • 283. Optional For Melting Point Apparatus-

#### • Order Code - TC8357

- Capillary (Pkt of 100) for Melting Point Apparatus.

### 284. HEATING MANTLES- Order Code - TC8361

- Thick head Knitted Fibre glass netting
- elements are made from cathode wire.
- Suitable for heating round bottom flasks.
- Provision of Fuse and Buffers for safe and smooth operation.
- Available in Capacities of 100 ml- 5000 ml.
- For picture, please refer to Left hand side of this page.

Order Code	Capacity	Wattage
TC8361A	100ml	60
TC8361B	250ml	150
TC8361C	500ml	200
TC8361D	1000ml	300
TC8361E	2000ml	450
TC8361F	3000ml	450
TC8361G	5000ml	600

### 285.spare Mantles- Order Code - TC8362

Order Code	Capacity
TC8362A	100ml
TC8362B	250ml
TC8362C	500ml
TC8362D	1000ml
TC8362E	2000ml
TC8362F	3000ml
TC8362G	5000ml



### 286. Simple Distillation Apparatus-

#### Order Code - TC8363

Consists of Round Bottom Flask & Liebig Condenser.

Order Code	Flask Capacity	Condenser Effective Length
TC8363A	250ml	400
TC8363B	500ml	500



### 287. Distillation Apparatus- Order Code - TC8364

Consists of Round Bottom Flask, Recovery Bend, Liebig Condenser & Recovery Adapter.



Order Code	Flask capacity	Condenser Effective Length
TC8364A	250ml	200
TC8364B	500ml	300
TC8364C	1000ml	350

**288. Soxhelt Extractor Apparatus- Order Code - TC8367**

Consists of Round / Flat Bottom Flask , Soxhelt Extractor & Allihn Condenser.  
Manufactured from borosilicate glass 3.3 grade.

**289. Soxhelt Extractor- Order Code - TC8368**

The siphoning type of Soxhelt Extractor finds the widest application in laboratory work. All BESTO brand Soxhelt have a concentric siphon tube which is protected by the vapour tube from accidental damage.  
Manufactured from borosilicate glass 3.3 grade with interchangeable joints.

**290. Soxhelt Extraction Apparatus (mantle Type)- Order Code - TC8369**

Useful for quick heating which saves extraction time. Fibre glass hand knitted heating surface having kanthal heating elements. Housing made of M.S. Powder coated. Temp. is controlled by individual energy regulator. Provided with rods.

**291. Soxhelt Extraction Apparatus (hot Plate Type)-Order Code - TC8370**

Same as TC8369 but with Hot Plate instead of Heating Mantle.

**292. Rotary Vacuum Evaporator (Rapidvap Series Diagonal Condenser)- Order Code - TC8375**

Rotary vacuum evaporator Rapidvap series diagonal condenser model Evaporated with supplied complete with geared dice non sparking motor offering speed control by analog knob upto 200 RPM jack arrangement is fitted on tapered from base for positioning glass assembly double walled water bath with Digital temperature controller. Diagonal glass condenser double coiled with three opening for vacuum and cooling , pear (Kjeldhal) shaped evaporating flask capacity 800 ml, receiver flask capacity one liter fitted with a ball joint feeding tube and vapor path tube provided with a seal, clips and spring a complete working unit.

**293. Accessories Of Rotary Vacuum Evaporator - Order Code - TC8376**

Rapidvap Series Diagonal Condenser

**293. Rotary Vacuum Evaporator (Rapid VAP Series**

**Vertical Condenser PT-VDC.)- Order Code - TC8377**

This model of evaporator is supplied complete with geared drive non sparking noiseless motor offering smooth control by analog knob upto 200 RPM. Jack arrangement is fitted on tapered front base for positioning glass assembly double walled water bath with digital temperature controller, vertical glass condenser double coiled with three opening for vacuum and cooling, pear (kjedhal) shaped evaporating flask capacity 800ml, receiver flask capacity one litre fitted with a ball joint, feeding tube, vapour path tube, provided with a seal, clips & spring ac complete working unit accessories: Rotary vacuum, Evaporated Rapidvap series Vertical Condenser .

**293. Accessories Of Rotary Vacuum Evaporator - Order Code - TC8376**

Rapidvap Series Vertical Condenser

**294. Laboratory Hot Plate (with Cast Iron Top)- Order Code - TC8380**

- Body made of MS sheet duly stove painted.
- Heavy duty cast iron top or S.S. top for operating at high temperatures.
- Fibre blanket insulated with Kanthal heater and fire proof connection.
- All our Hot plates are fitted with energy regulator except TC8380E.
- Available in multiple sizes and shape (Round & Rectangle)
- Max. Temp. upto 300°C.
- Temp. controlled by energy regulator & 3 Heat Switch.
- **Heavy duty cast & top.**



Order Code	Size of Plate	Wattage
TC8380A	8" Round	1000W
TC8380B	10" x 12"	1000W
TC8380C	12" x 18"	2000W
TC8380D	18" x 24"	3000W
TC8380E	8" Round	W/O Energy Regulator

**295. Laboratory Hot Plate (with Stainless Steel Top)-Order Code - TC8381**

Specifications are same as above but with heavy duty Stainless Steel top.





Order Code	Size of Plate	Wattage
TC8381A	8" Round	1000W
TC8381B	10" x 12"	1000W
TC8381C	12" x 18"	2000W

**296. Laboratory Hot Plate (with Stainless Steel Top)-Order Code - TC8382**  
Specifications are same as per TC8381 fitted with heavy duty Stainless Steel top & Digital P.I.D. Temp. indicator cum controller.



Order Code	Size of Plate	Wattage
TC8382A	8" Round	1000W
TC8382B	10" x 12"	1000W
TC8382C	12" x 18"	2000W

**297. Low Form Beakers (Borosilicate Glass 3.3 grade)-Order Code - TC8385**

- Manufactured from borosilicate glass 3.3 grade resistant to heat & almost all chemicals.
- They meet the highest quality standards.
- These beakers have thick walls & heavy bases.
- Re-inforced rims & spouts to prevent breakage during washing & transportation.

Order Code	Capacity	Qty. in Box
TC8385B	50ml	10
TC8385C	100ml	10
TC8385D	150ml	12
TC8385E	250ml	10
TC8385F	500ml	6
TC8385G	1000ml	6

**298. Low Form Beakers (Polypropylene)-Order Code - TC8386**

- Manufactured from ultra clear virgin polypropylene which provides thick walls with superior chemical resistance.
- They meet the highest quality standards.

Order Code	Capacity	Qty. in Box
TC8386A	100ml	12
TC8386B	250ml	12
TC8386C	500ml	12

**299. Beaker Tong (Stainless Steel)-Order Code - TC8387**

These Tongs were designed to handle beakers containing hot or corrosive liquids. These



tongs are made of Stainless Steel which are tough, resist bending and does not rust. Jaws are covered with either asbestos or cork sheet. Size approx. 12" long.

**300. Vortex Shakers-Order Code - TC8388**

- Variable speed mixer to eliminate hand mixing.
- Suitable for short time operation (Touch function) activated by pressing shaker attachment or continuous operation.
- Two way switch is provided for both operation-touch function & continuous function.
- Compact Design
- Stable at high speeds thanks to a sturdy MS base for vibration damping.
- Type of movement is Orbital
- Speed range : 0-2500RPM
- Optional Mode : Continuous operation
- Touch Function : Yes



**301. Blood Roller Mixer-Order Code - TC8399.1**  
Blood Roller Mixer with 4 rollers.

**302. V.D.R.L. Shaker-Order Code - TC8391**

- Compact shaker for mixing blood samples.
- Timer options 0-50min for accurate mixing time.
- Stable at high speed.
- Speed range 0-350RPM.
- Rotational type of movement.
- Continuous operation mode.
- Platform dimension 30x30 cm.
- PMDC motor.
- Supply 220V, 50Hz.



**303. Optional For V.D.R.L. Shaker-Order Code - TC8392**

Please add extra for Digital Timer.

**304. Heavy Duty Rotary Shakers-Order Code - TC8393**

It has a uniform circular motion in horizontal plane, rotation effect ranges from a gentle rise and fall of the liquid to a vigorous swirling. All positions on the platform receive identical agitation.

- Useful for continuous shaking of solution in flasks.
- Mounted on heavy angle iron frame.
- Speed is controlled by electronic speed regulator.



Order Code	Platform Size	Holding Cap.
TC8393A	30 x 30cm	9 Flask fo 250ml
TC8393B	45 x 45cm	16 Flask fo 250ml
TC8393C	55 x 55cm	25 Flask fo 250ml

**305. Optional For Rotary Shaker -  
Order Code - TC8394**

Please add extra for Timer 0-60min

**306. Tissue Homogenisers-Order Code - TC8397**

It is a multipurpose unit, suitable for low speed homogenisation of tissue and also small volume low speed stirring applications. Pulley driven low speed operation provides high torque for grinding and homogenising of animal or vegetable tissues.



**Specifications**

Type of Motor : AC/DC  
Universal  
Horse Power : 1/20  
Maximum Speed : 4000RPM  
Capacity (Dependency of Viscosity) : 6-8 Litres  
Stirring Shaft Length : 6mm  
Stirring Shaft Length : 300 mm  
Propeller sweep & type : 38mm, 3 Bladed  
Stainless Steel for shaft & propeller Shaft & motor coupling : S.S. Grade 304  
Self centering Chuck  
Height of retort stands : 600mm

**TC8397A** : For 25ml Vessel

**TC8397B** : For 50ml Vessel

**307. Laboratory Stirrer-Order Code - TC8398**

This Laboratory stirrer is designed to meet requirements of Laboratories demanding wide flexibility of stirring operations.

**Specifications**

Type of Motor : AC/DC Universal  
Horse Power : 1/20  
Maximum Speed : 4000RPM  
Capacity (Dependency of Viscosity) : 6-8 Litres  
Stirring Shaft Length : 6mm  
Stirring Shaft Length : 300 mm  
Propeller sweep & type : 38mm, 3 Bladed  
Stainless Steel for shaft & propeller : S.S. Grade 304  
Shaft & motor coupling : Self centering Chuck  
Height of retort stands : 600mm



**308. Optional For Homogenisers & Stirrers-  
Order Code - TC8399**

For Digital RPM, please add extra in cTC8397 & TC8398.

**309. Petri Dish (Borosilicate Glass 3.3 grade)-  
Order Code - TC8400**

Petri dishes have a variety of uses, but most commonly used for culturing bacteria. Our Petri dishes are manufactured from borosilicate glass of 3.3 grade. These dishes can also securely contain animals or

germinating seeds. A growth medium is often placed in the bottom of a petri dish, which provides a food source for the bacteria, enabling them to reproduce rapidly.

Order Code	Size
TC8400A	50 x 17mm
TC8400B	80 x 17mm
TC8400C	100 x 17mm
TC8400D	150 x 20mm

**310. Digital Colony Counter-Order Code - TC8401**

- 110mm Dia Magnifying Glass.
- Audible Confirmation of each count.
- Uniform glare free illumination.
- Digital Readout from 0-9999.
- Auto Marker pen.
- Wolffhugel glass grid with focusing facility.



DIGITAL DISPLAY : 4 digit, 9999  
Maximum Count  
DISH SIZE : 100 mm  
MAGNIFICATION : x 1.7  
DIMENSIONS : L 274 X B 320 X H 167 mm  
(Approx.)  
WEIGHT : 3 Kg.  
POWER : 230V 10% AC, 50Hz, 40W  
STANDARD : Marking Pen - 1 No.  
ACCESSORIES : Magnifier Lens - 1 No.

**311. Anaerobic Culture Jar (with Vacuum cum Pressure Gauge)-Order Code - TC8401.1**

Transparent An aerobic culture jar of 3.5Lt. capacity which is made of polycarbonate. the lid of the jar is made of Aluminium pressure die casting fitted with pressure value vacuum value safety valve & compound pressure cum vacuum gauge three finger aluminium clamp and sealing "O" ring and air/gas chuck.

This is recommended only where inside air of jar is removed through vacuum pump and CO2 is filled in the jar through CO2 gas cylinder to generate anaerobic in the jar.

Also supplied with plain aluminium pressure die casted lid which can be fitted ready made gas packs are used to generate the anaerobic conditions inside the jar.

Supply as above completed with following accessories

- Petri plate carrier stainless steel for 10 petri Dishes.
- Test tube carrier stainless steel.

Fitted with Lid having vacuum cum pressure gauge and safety valve. This type of Lid is required when gases are used to generate anaerobic condition inside the jar.



This Anaerobic Culture Jar is same as TC8403 only pressure gauge lid is replaced by plain aluminium pressure die cast lid. This lid is used where ready made gas packs are used to generate anaerobic conditions.



### 312. Optional Consumables Of Anaerobic Culture Jar-Order Code - TC8402

- TC8402A** : Anaerobic Indicator, Box of 10 Tablets.  
**TC8402B** : Anaerobic Gas Pack, Price per pkt. of 5 Sachets.

### 313. Anaerobic Culture Jar (with vacuum cum pressure gauge)-Order Code - TC8405

- All metal construction consisting of a stainless steel jar with a top flange. Recessed for a toroidal rubber sealing ring and cover held in place by a strong bridge clamp.
- This cover is fitted with two needle valves for evacuation and a sachet containing a catalyst.
- A side arm on the jar is provided for connecting to semi solid lucus indicator ( The jar is supplied without semi solid lucus indicator) with pressure cum vaccum gauge.



### 314. Water Bath - Double Wall (Thermostatic)-Order Code - TC8410

- Double walled inner made of stainless steel.
- Exterior of M.S. Sheet duly finished in epoxy powder coated shade.
- The gap of 25mm between the outer and inner walls iredulated with mineral wool.
- Selection of temperature controller; thermostatic or Digital temp. indicator cum controller ( optional)
- Concentric rings to use flask from 50ml to 500 ml capacity.
- Concentric rings are made from Stainless steel.
- Long lasting elements,
- Temp Range 5°C above ambient to 99°C.
- Operates on 230 Volts A.C.



Order Code	Inner Size (inch)	Lid	Cap. Approx
TC8410A	10"x14"x4"	6 Holes of 3" Dia	18 Liter
TC8410B	16"x12"x4"	12 Holes of 3" Dia	15 Liter

### 315. Optional For Above Water Bath Double Wall (Thermostatic)-Order Code - TC8411

- TC8411A** : Digital PID Temp indicator cum controller  
**TC8411B** : Stirrer for Uniform Temp.

### 316. Water Bath - Serological (Thermostatic)-Order Code - TC8414

- Double wheel filled with high grade glass wool insulation between the walls.
- Exterior of M.S./G.I. duly finished in epoxy powder coated shade.
- Selection of controller-either thermostat or PID digital
- temperature indicator cum controller (optional).
- Inner chamber made of 304 S.S.
- Long-Lasting water Heater.
- Temperature Range: -5 C above ambient to 70 C.
- Operates on 230 volts.
- Control Panel is provided at the lower of the bath.
- Bath is completed with perforated and removable diffuse shelves.



Order Code	Inner Size	To Accomodate	Cap. Approx
TC8414A	12"x7"x7"	1 Rack	12 Liter
TC8414B	12"x10"x7"	2 Rack	14 Liter
TC8414C	15"x12"x7"	4 Rack	18 Liter
TC8414D	18"x12"x7"	6 Rack	25 Liter

### 317. Optional For Above Water Bath Serological (Thermostatic)-Order Code - TC8415

Digital PID Temp indicator cum controller.

### 318. High Precision Water Bath-Order Code - TC8416

This bath is suitable for all laboratory application requiring constant temperature to high degree of accuracy typical use include physio-chemical and botanical experiments, specific gravity determination and conductivity test.

The bath is constructed of double walled, internal made of Stainless Steel 304 Qty, and external of mild Steel and painted in Epoxy Powder Coating. 25mm mineral wool insulation on sides and bottom. With perforated and removable diffuser shelf and brass drain plug. A sealed glass window of Size: 230 x 130mm is also provided on the front.

- Double walled inner made of S.S
- Exterior of M.S. Sheet duly finished in Epoxy powder coated shade.
- Highly insulated between two walls.
- Glass windows for easy inside view.
- Stirring arrangement to ensure good Temp. Uniformity.
- Temp. is controlled by Digital Temp. Indicator Cum Controller.

Order Code	Size
TC8416A	425 x 250 x 225
TC8416B	450 x 375 x 375

**319. Shaker Water Bath-Order Code - TC8417**

- Double walled inner made of S.S. 304 & exterior made of M.S. Powder coated.
- Bath has Shaking Tray
- Speed of stroke is adjusted by speed controller
- Temp. is controlled by Thermostat / digital temp. controller.

Order Code	Size
TC8417A	275 x 275 x 50
TC8417B	450 x 300x 150

**320. Optional For Shaker Water Bath-Order Code - TC8418**

Please add extra for the following options:

**TC8418A** : Digital PID Temp. Indicator Cum Controller.

**TC8418B** : Digital RPM Indicator.

**321. Ultra Sonic Bath ( Sonicator)-Order Code - TC8418.1**

- Most useful for proving Rigorous Cleaning of laboratory Glassware and instruments.
- Tank made of S.S. 316 & Exterior made of S.S. Matt Finish.
- S.S. Cover lid.
- These Cleaners Function by means of Ultrasonic Energy.



Order Code	Tank Capacity
TC8418.1A	1.5 Liter
TC8418.1B	3.5 Liter
TC8418.1C	6.5 Liter

**322. Optional For Ultra Sonic Bath (sonicator)-Order Code - TC8419**

Heater

**323. Laboratory Hot Air Oven-Order Code - TC8422**

Laboratory ovens are convention appliances for general purpose in the scientific and manufacturing industries. Applications include sterilization, experiment management drying processing and testing.

- Double walled in construction- highly insulated between two walls by high quality glasswool.
- Interior of Al./Stainless steel having buffed-finish.
- Exterior of M.S. duly finished in powder coated shade.
- Selection of Temp. controller-Thermostatic or PID controller
- A fully insulated door with sturdy S.S. hinges.
- Temp. Range : 5°C above ambient to 250°C



- Temp. Accuracy : ±1°C

Order Code	Inner Size	Capacity	Wattage
TC8422A	12"x12"x12"	28 Liter	750
TC8422B	14"x14"x14"	45 Liter	1000
TC8422C	18"x18"x18"	96 Liter	1500
TC8422D	24"x24"x24"	228 Liter	2500
TC8422E	24"x24"x36"	342Liter	3000

**24. Optional For Laboratory Hot Air Oven-Order Code - TC8423**

Please add extra for the following options :

**TC8423A** : Digital PID Controller indicator cum controller.

**TC8423B** : Air Circulation Fan.

**TC8423C** : Timer 0-24 Hours.

**325. Bacteriological Incubator-Order Code - TC8425**

Bacteriological incubators are insulated boxes with an adjustable heater, typically going up to 60 to 650C (140 to 1400F). The most commonly used temperature both for bacteria such as the frequently used E. coil as well as

mammalian cells is approximately 370C as these organisms grow well under such conditions. For other organisms used in biological experiments, such as the budding yeast Saccharomyces cerevisiae, a growth temperature of 300C is optimal.

- Double walled in construction- highly insulated between two walls by high quality glasswool.
- Interior of Al./Stainless steel having buffed-finish.
- Exterior of M.S. duly finished in powder coated shade.
- Selection of Temp. controller-Thermostatic or PID controller.
- A fully insulated door with sturdy S.S. hinges.
- Temp. Range : 50C above ambient to 2500C.



Order Code	Inner Size	Capacity	Wattage
TC8425A	12"x12"x12"	28 Liter	110
TC8425B	14"x14"x14"	45 Liter	125
TC8425C	18"x18"x18"	96 Liter	150
TC8425D	24"x24"x24"	228 Liter	200
TC8425E	24"x24"x36"	342Liter	300

**326. Optional For Bacteriological Incubator-Order Code - TC8426**

Please add extra for the following options :

- TC8426A** : Digital PID Controller indicator cum controller.
- TC8426B** : Air Circulation Fan.
- TC8426C** : Timer 0-24 Hours.

**327. B.O.D. Incubator-Order Code - TC8428**

- Designed specially for Biological Oxygen demand (B.O.D.) determination and other applications like serum studies, enzyme assays and general incubation test.
- Chamber interior is of AL/S.S 304 and exterior finished with epoxy powder coated shade.
- Microprocessor based PID temp. indicator cum controller.
- Equipped with hermitically sealed compressor, fan cooled condenser and over load protected cooling system -CFC free cooling system.
- Circulating Fans ensures even air distribution within the chamber.
- High grade insulation between the chamber minimize the heat exchange.
- A full length inner acrylic door for easy visibility without disturbing temperature.
- A key lockable insulated door having door gasket seals door perfectly.
- Temperature Range : 5°C to 50°C. Accuracy : ±1°C
- 2 Nos. removable S.S. shelves available with all models as a standard
- Illumination lamp is fitted inside the chamber for easy visibility.



Order Code	Size	Capacity	Chamber Size
TC8428A	4 cu.ft.	112 Ltrs.	20"x18"x32"
TC8428B	6 cu.ft.	170 Ltrs.	24"x22"x36"
TC8428C	10 cu.ft.	280 Ltrs.	24"x24"x36"

**328. Optional For B.O.D. Incubator-Order Code - TC8429**

Timer 0-24 Hours day and night cycle.

**329. Orbital Shaker Incubator-Order Code - TC8430**

- Useful for life sciences applications, fermentation studies, ageing, tests growth studies & biological cultures under various controlled temperature conditions.
- Chamber interior is of S.S 304 and exterior M.S finished with epoxy powder coated shade.
- Microprocessor based PID temp. indicator cum controller.
- Variable speed regulator.
- Size of shaking incubator 450x450x450mm.

Note: Specifications are subject to change.

**Tesca Technologies Pvt. Ltd.**

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- High grade insulation between the chamber minimize the heat exchange.
- Capacity of shaking tray : 16 flasks of 250ml.
- A key lockable insulated door having positive door gasket seals door perfectly.
- Temperature Range : 5°C above ambient to 70°C Accuracy ±1°C.

**330. Optional for Orbital Shaker Incubator-Order Code - TC8431**

Please add extra for the following options

- TC8431** : Digital R.P.M Meter.
- TC8431** : Orbit Shaking Cum B.O.D Incubator.

**331. Vacuum Oven (Round)-Order Code - TC8435**

- Double walled in construction-highly insulated between two walls by high quality glasswool.
- Chamber made of heavy gauge stainless steel corrosion resistant.
- Exterior of M.S SHEET FINISHED IN POWDER COATED SHADE.
- Heat treated Glass window leaves clear content view.
- Rubber gasket tight seal at all vacuum levels.
- Selection of Temp controller-Thermostatic or PID Controller.
- Temp. Range 50°C above ambient to 150°C.

Order Code	Size
TC8435A	10" x 12"
TC8435B	12" x 12"
TC8435C	12" x 24"



**332. Vacuum Oven (Rectangular)-Order Code - TC8436**

Same as above but rectangular Vacuum ovens are supplied instead of round.

Order Code	Size
TC8436A	10"x10"x10"
TC8436B	12"x12"x12"
TC8436C	14"x14"x14"

**333. Optional For Vacuum Oven-Order Code - TC8437**

Please add extra for DIGITAL PID TEMPERATURE INDICATOR CUM CONTROLLER

**334. Test Sieves (Brass)-Order Code - TC8438**

Order Code	B.S.S. Mesh No.
TC8438A	6
TC8438B	22
TC8438C	30
TC8438D	44
TC8438E	52
TC8438F	60
TC8438G	72



Order Code	B.S.S. Mesh No.
TC8438H	85
TC8438I	100
TC8438J	120
TC8438K	150
TC8438L	200
TC8438M	240
TC8438N	300
TC8438O	325
TC8438P	350
TC8438Q	400

### 335. Muffle Furnace-Order Code - TC8440

- Newly designed Muffle Furnace has rapid heating & light weight construction.
- Special ceramic insulation makes furnace light weight.
- Exterior of heavy gauge M.S powder coated /S.S
- Selection of temperature control; Pyrometer or digitaltemperature indicator cum controller. (Optional) but in this Cat. No. selection of temperature control is by pyrometer.
- Uniform heat distribution through all 4 sides Kanthal A-1 elements.
- Chromel Alumel thermocouple is used as a sensor.
- Maximum Temperature : 1000°C
- Working Temperature : 900°C.
- Operates on 230Volts A.0



Order Code	Working Chamber	Rating
TC8440A	4" x 4" x 9"	1.5 K.W.
TC8440B	5" x 5" x 10"	2.0 K.W.
TC8440C	6" x 6" x 12"	3.0 K.W.
TC8440D	8" x 8" x 12"	3.5 K.W.

### 336. Industrial Muffle Furnace-Order Code - TC8442

- Groove type Muffle is used in construction.
- Most useful for industrial field.
- Exterior of heavy gauge M.S powder coated /S.S
- Selection of temperature control; Pyrometer or digitaltemperature indicator cum controller. (Optional) but in this Cat. No. selection of temperature control is by pyrometer.
- Uniform heat distribution through all 4 sides Kanthal A-1 elements.



Note: Specifications are subject to change.

## Tesca Technologies Pvt. Ltd.

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- Chromel Alumel thermocouple is used as a sensor.
- Maximum Temperature : 1200°C
- Working Temperature : 1100°C.
- Operates on 230Volts A.0

Order Code	Working Chamber	Rating
TC8442A	4" x 4" x 9"	3.0 K.W.
TC8442B	5" x 5" x 10"	4.0 K.W.
TC8442C	6" x 6" x 12"	4.5 K.W.
TC8442D	8" x 8" x 12"	6.0 K.W.

### 337. Optional For Above Muffle Furnaces-Order Code - TC8443

Please add extra for DIGITAL PID TEMPERATURE INDICATOR CUM CONTROLLER in any type of Muffle furnaces.

### 338. Dry Bath Incubator-Order Code - TC8495



- Designed for multi function dry bath heating of test tubes , micro centrifuge tube and cuvettes.
- Ideal for enzyme reaction, Inactivation and other lab procedures.
- Through of block, a wide variety of tube and vessels can be accommodates in a standard unit.
- Supplied completed with block extraction tool.
- Recessed well /cavity accommodate two interchangeable aluminum insert block.

### Technical Data

Temperature range	: Ambient to 200°
Heater Load	: 750W
Temperature Accuracy	: ±1°
Controller	: Microprocessor based temperature indicator cum controller
Display	: Easy to read LED display
Block Dimension	: 96x96x50mm
Block body	: Anodized Aluminium
Sensor	: Pt 100
External material	: Powder Coated CRC steel
Power Supply	: 230V, Single phase A/c, 50Hz

### TC8495A : Single Block

Order Code	No. of Holes	Diameter / Capacity
TC8495A.1	16	15mm
TC8495A.2	25	12mm
TC8495A.3	25	10mm
TC8495A.4	25	0.2ml

**TC8495B : Double Block**

Order Code	No. of Holes	Diameter / Capacity
TC8495B.1	16	15mm
TC8495B.2	25	12mm
TC8495B.3	25	10mm
TC8495B.4	25	0.2ml

**339. C.O.D. Digestion Apparatus-**
**Order Code - TC8497**

These COD apparatus are used in various laboratories & pharmaceutical industries for waste water and industrial process water monitoring & checking.


**Features**

- Sturdy design & Easy to use.
- Less maintenance
- Digestion of samples using potassium dichromate & sulphuric acid...-
- Design for digestion of COD test samples & multifunction dry bath heating.
- Dry block made of aluminium with fifteen holes of 40mm dia.
- Digital PID temp. controller cum display.
- Temp. range upto 2500C.
- Timer upto 2 Hrs.
- Samples after being digested for 2 hours can be analysed using calorimeter or conventional titration method.

**340. C.O.D. Digestion Apparatus-**
**Order Code - TC8498**

Please add extra :

Glass parts for COD Digestion Apparatus.

**341. All Quartz Double Distillation-**
**Order Code - TC9001**

It has been designed keeping in view customer requirement and easy serviceability of the equipment. All quartz double distillation consists of demountable upper and lower boiler.

The lower boiler has a built in heater enclosed in a quartz boiler with a cup on top.

The upper boiler has a built in quartz coil and condensing unit which is mounted on the boiler with the help of ball and socket joint.

Double walled condenser ensured separate condensation of vapor coming from the two boiler using a single cooling circuit.

The unit is mounted on a specially designed powder coated stand and is also provided with safety control

Note: Specifications are subject to change.



unit.

The new dual-safety cut off has been designed for better and accurate control of the distillation unit. It has been incorporated with advanced microprocessor based electronic circuitry.

The has been latest electronic technology that has been introduced by our company which gives as easy user machine interaction.

The alpha numeric LCD which has been used shows all messages that correspond to the running of the machine.

Also there is alarm system which beeps as and when user attention is requires.

It is recommended to use water softener unit with all type of water distillations for desired output, good quality distillate and long life.

**Special Advantages of Demountable Model:-**

- Easy cleaning of the first boiler since it can be dismantled from the assembly.
- Easy interchangeability as it is provided with ball and socket joint.
- Boiler and condenser have larger boiling space resulting in balanced boiling and improve quality of distillate.
- Compact and easy to install.

**Double Distillate Quality:-**

Parameter	: Values
Specific Conductivity	: 0.1 0.5 ps/cm
Biological Activity (Distillate quality)	: Pyrogen free
Organic Matter	: Nil
Total Solids	: 0.1 mg / kr
Silica	: <0.01mg / Itr

- All parameters are under standard test condition. Please test the distilled water before use.

- We recommend a quartz reservoir for storage of high purity water.

Order Code	Output Capacity	Cooling Water Consumption
TC9001A	1.5 Ltr/hr	50 Ltr/hr
TC9001B	2.5 Ltr/hr	70 Ltr/hr
TC9001C	5.0 Ltr/hr	150 Ltr/hr

**342. Single Stage Quartz Distillation-**
**Order Code - TC9002**

The apparatus consists of a boiler made from high purity quartz with built in heater and bottom discharge joint for easy cleaning of deposits. A spiral condenser is fitted on the boiler with receiving adapter. The unit comes with safety control unit (optional) to protect the glass parts in case of water failure or


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overheating.

Quartz can withstand very high temperature variation, thus it is thermal shock proof.

Conductivity : 1.0-1.5pS/cm  
with Borosilicate Condenser  
: 0.5-0.8pS/cm  
with Quartz Condenser

Distilled water quality : Pyrogen free

Distillate temperature : 25-45 C

All parameter are under standard test conditions.

#### Advanced features:-

- Distillate is pyrogen free, also it is free of heavy metals.
- Switch on time is less than minute providing distilled water instantly.
- Low maintenance is required

Following unit is having Borosilicate condenser with conductivity 1.0-1.5 p/s/cm

Order Code	Output Capacity	Cooling Water Consumption
TC9002A	2.5 Ltr/hr	40 Ltr/hr
TC9002B	5 Ltr/hr	65 Ltr/hr

Following unit is having Quartz Condenser with conductivity 0.5-0.8 p/s/cm

Order Code	Output Capacity	Cooling Water Consumption
TC9002C	2.5 Ltr/hr	40 Ltr/hr
TC9002D	5 Ltr/hr	65 Ltr/hr

It is recommended to use water softener unit with all type of water distillations for desired output, good quality distillate and long life.

#### Advantages

Rust proof powder coated sturdy stand as base  
Replacable clamps are provided for better adjustments and alignment of the boiler and condenser.

#### 343. Safety Cut-off Device-Order Code - TC9003

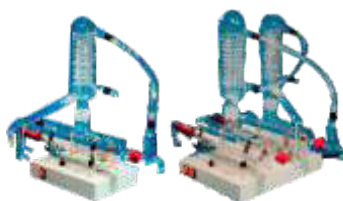
Addition of safety cut-off device in above units.

Order Code	Output Capacity	Description
TC9003A	2.5 Ltr/hr	safety cut-off device with alarm
TC9003B	5 Ltr/hr	safety cut-off device with alarm

#### 344. Water Still With Silica Sheathed Heater-

##### Order Code - TC9005

Water still are carefully designed to produce high purity pyrogen free distilled water made from 3.3 grade borosilicate glass comprises of horizontal type boiler,



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condenser , constant level device, silica sheathed (Quartz) heater, along with stand and clamps.

#### Technical Features

- Borosilicate condenser and boiler are fitted with a removable silica sheathed heater and screw threaded connector for ease of cleaning
- Distilled temperature is approx. between 25 to 45 C which is ensured by an efficient condenser.
- The stand is powder coated for rust free operations and lustrous appearances.
- The unit automatically switches off if water level in the boiler falls below heater.
- Cooling water form the condenser is re-circulated into the boiling chamber, hence saving energy.
- Electrical power : 220/240 V,50/60 Hz, single phase supply.

#### Unique Features :

These modes are equipped with in-built water level sensor to protect the glass parts in case of water failure or overheating buzzer is provided when user attention is required.

#### Technical Data

##### Single still

Conductivity : 1 to 2.0 ps/cm

Distillate quality : Pyrogen free

Order Code	Output Capacity	Cooling Water Consumption
TC9005A	2.0 Ltr/hr	60 Ltr/hr
TC9005B	4.0 Ltr/hr	120 Ltr/hr

##### Double still

Conductivity : 0.8 to 1.0 ps/cm

Distillate quality : Pyrogen free

Order Code	Output Capacity	Cooling Water Consumption
TC9005C	2.0 Ltr/hr	120 Ltr/hr
TC9005D	8.0 Ltr/hr	150 Ltr/hr

#### 345. Spares for all Quartz Double Distillation-

##### Order Code - TC9010

**TC9010A** : Quartz lower cup for 1.5 Ltr/hr Distillation

**TC9010B** : Quartz lower cup for 2.5 Ltr/hr Distillation

**TC9010C** : All quartz double distillation side over flow

**TC9010D** : Safety cut-off Devices for 1.5 & 2.5 Ltr/hr Dist.

**TC9010E** : Safety cut-off Devices for 5.0 Ltr/hr Dist.

#### 346. Spares for Single Stage Quartz Distillation-

##### Order Code - TC9011

**TC9011A** : Quartz boiler for 2.5 Itr/hr Dist.

**TC9011B** : Quartz boiler for 5 Itr/hr Dist.

**TC9011C** : Borosilicate coil condenser for 2.5 Itr/hr Dist.

**TC9011D** : Borosilicate coil condenser for 5 Itr/hr Dist.



- TC9011E** : Quartz coil condenser for 2.5 Itr/hr Dist.  
**TC9011F** : Quartz Coil condenser for 5 Itr/hr Dist.  
**TC9011G** : Safety cut-off Devices for 2.5 Itr/hr Dist.  
**TC9011H** : Safety Cut-off Devices for 5 Itr/hr Dist.

### 347. Spares For Water Still With Silica Sheathed Heater-Order Code - TC9012

- TC9012A** : Constant level Devices  
**TC9012B** : Boiling Chamber for 2 Itr/hr Still  
**TC9012C** : Boiling chamber for 4 Itr/hr Still  
**TC9012D** : Coil condenser for 2 Itr/hr Still  
**TC9012E** : Coil condenser for 4 Itr/hr still  
**TC9012F** : Silica Sheathed (Quartz) Heater with Bakelite Cap

### 348. Water Softener-Order Code - TC9015

It softens the water and provides good quality water for use in laboratories. It helps to remove all the calcium and magnesium ions in hard water and the soft water thus obtained has hardness less than 5ppm as CaCO<sub>3</sub>. It is specially designed for easy serviceability and recharging the resin with sodium chloride solution. The softened water can be used as feed water to the Distillation units.



The use of hard water in boiler, would leave the boiler with a lot of scaling and sedimentation, hence to improve the quality of the distillate and for longer life of the glass. Quartz boilers, it is recommended to use softened water.

### 349. Conical Flasks-Order Code - TC9020

Order Code	Capacity (ml)
TC9020A	10
TC9020B	25
TC9020C	50
TC9020D	100
TC9020E	150
TC9020F	250
TC9020G	500
TC9020H	1000
TC9020I	2000



### 350. Conical Flasks With Socket-Order Code - TC9021

Order Code	Capacity (ml)	Socket Size
TC9021A	100	24/29
TC9021B	250	24/29
TC9021C	500	24/29
TC9021D	1000	24/29
TC9021E	2000	24/29

Note: Specifications are subject to change.

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### 351. Iodine Flasks-Order Code - TC9022

These flasks are blown specially for iodine value determination. With flaring, funnel shaped cup.

Order Code	Capacity (ml)	Interchangeable Joint
TC9022A	100	24/29
TC9022B	250	24/29
TC9022C	500	24/29
TC9022D	1000	24/29



### 352. Round/flat Bottom Flasks -long Neck-Order Code - TC9025

Recommended for minimizing evaporation when boiling liquids. Made from quality Borosilicate glass, these flasks have very good resistant to breaking. The rim and neck have been reinforced for greater strength.

Order Code	Capacity (ml)
TC9025A	10
TC9025B	25
TC9025C	50
TC9025D	100
TC9025E	150
TC9025F	250
TC9025G	500
TC9025H	1000
TC9025I	2000



### 353. Round/flat Bottom Flasks - Short Neck With Socket Size 24/29-Order Code - TC9026

Order Code	Capacity (ml)	Socket Size
TC9026A	100	24/29
TC9026B	250	24/29
TC9026C	500	24/29
TC9026D	1000	24/29
TC9026E	2000	24/29



### 354. Distillation Flasks-Order Code - TC9027

These Quality Flasks are recommended for all types of distillation work, particularly for hazardous distillation involving flammable material. The side arm is placed approximately 3" below the top of neck at angle of 75°.

Order Code	Capacity (ml)	O.D.xHeight mm Approx
TC9027A	100	60 x 200
TC9027B	250	85 x 200
TC9027C	500	105 x 240
TC9027D	1000	125 x 300



### 355. Volumetric / Measuring Flasks-

#### Order Code - TC9030

Made from high quality Borosilicate glass tubing. The heavy neck flange minimizes breaching & chipping Graduation Ring on the neck is sharp & permanent. These flasks are supplied with standard tapered ground glass interchangeable stopper. Accuracy as per class B.



Order Code	Capacity (ml)	Socket Size
TC9030A	10	10/15
TC9030B	20	10/15
TC9030C	25	10/15
TC9030D	50	10/15
TC9030E	100	14/15
TC9030F	200	14/15
TC9030G	250	14/15
TC9030H	500	19/20
TC9030I	1000	19/20
TC9030J	2000	24/25

### 356. Measuring Cylinder (Round Base)-

#### Order Code - TC9031

These superior shock resistance quality of a borosilicate glass make these cylinders excellent for student use. The graduation marks are permanent.

Order Code	Capacity (ml)
TC9031A	10
TC9031B	25
TC9031C	50
TC9031D	100
TC9031E	250
TC9031F	500
TC9031G	1000



### 357. Measuring Cylinder (Hexagonal Base)-

#### Order Code - TC9032

These superior shock resistance quality of a borosilicate glass make these cylinders excellent for student use. The graduation marks are permanent.

Order Code	Capacity (ml)
TC9032A	10
TC9032B	25
TC9032C	50
TC9032D	100
TC9032E	250
TC9032F	500
TC9032G	1000



### 358. Reagent Bottles - Narrow Mouth-

#### Order Code - TC9035

Made from high quality Borosilicate glass tubing fitted with solid glass ground stopper.



Order Code	Capacity (ml)	Socket Size
TC9035A	60	14/19
TC9035B	125	19/26
TC9035C	250	19/26
TC9035D	500	24/29
TC9035E	1000	29/32
TC9035F	2000	29/32

### 359. Reagent Bottles - Wide Mouth-

#### Order Code - TC9036

Made from high quality Borosilicate glass tubing fitted with hollow glass stopper.



Order Code	Capacity (ml)	Socket Size
TC9036A	60	24/29
TC9036B	125	29/32
TC9036C	250	29/32
TC9036D	500	34/35
TC9036E	1000	45/40
TC9036F	2000	50/44

### 360. Reagent Bottles / Lab Bottle With Screw Cap-

#### Order Code - TC9037

Made from high quality Borosilicate glass tubing. Each bottle is having GL-45 threading & fitted with blue PP cap.

Order Code	Capacity (ml)
TC9037A	100
TC9037B	250
TC9037C	500
TC9037D	1000
TC9037E	2000
TC9037F	5000



### 361. Separating Funnel With Screw Type With Teflon Key Stopcock-Order Code - TC9040

With interchangeable glass stopper fitted with teflon plug stopcock. Made from heavy walled, borosilicate glass tubing for maximum mechanical strength. All separating funnels are designed for precision work in separation & extractors. Supplied either in conical / pear shape or in Globe shape with plain stem.



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Order Code	Capacity (ml)	Stopper Size
TC9040A	100	19/20
TC9040B	250	19/20
TC9040C	500	24/25
TC9040D	1000	29/25
TC9040E	2000	29/25

### 362. Separating Funnel With Straight Bore Glass Key Stopcock-Order Code - TC9041

Same as above but with glass key stopcock.

Order Code	Capacity (ml)	Stopper Size
TC9041A	100	19/20
TC9041B	250	19/20
TC9041C	500	24/25
TC9041D	1000	29/25
TC9041E	2000	29/25

### 363. Separating Funnel With Screw Type Rota Flow Stopcock-Order Code - TC9042

Same as above but with screw type rota flow stopcock.

Order Code	Capacity (ml)	Stopper Size
TC9042A	100	19/20
TC9042B	250	19/20
TC9042C	500	24/25
TC9042D	1000	29/25
TC9042E	2000	29/25

### 364. Keeping Funnels-Order Code - TC9045

A rugged Borosilicate glass funnel with stem length approximately equal to funnel diameter. These Funnels have a 60° angle insuring close fit of filter paper for rapid filtration. The edge of bowl is beaded for increased strength. The stems are heavy walled.



Order Code	Diameter (mm)	Length of Stem
TC9045A	25	25
TC9045B	50	50
TC9045C	65	65
TC9045D	75	75
TC9045E	100	100
TC9045F	125	125
TC9045G	125	Powder
TC9045H	150	Powder

### 365. Burette With Straight Bore Glass Key Stopcock-Order Code - TC9050

Accuracy as per class 'B', medium wall & having permanent marking (screen printing)



Order Code	Capacity (ml)	Sub Devision
TC9050A	10	0.5
TC9050B	25	0.10
TC9050C	50	0.10

### 366. Burette With Screw Type Rotaflow Stopcock-Order Code - TC9051

Accuracy as per class 'B' medium wall & having permanent marking (screen printing)

Order Code	Capacity (ml)	Sub Devision
TC9051A	10	0.5
TC9051B	25	0.10
TC9051C	50	0.10

### 367. Burette With Straight Bore Teflon Plug Stopcock-Order Code - TC9052

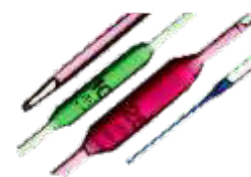
Accuracy as per class 'B' medium wall & having permanent marking (screen printing)

Order Code	Capacity (ml)	Sub Devision
TC9052A	10	0.5
TC9052B	25	0.10
TC9052C	50	0.10

### 368. Volumetric Pipettes-Order Code - TC9053

With one mark. Medium wall accuracy as per class 'B'.

Order Code	Capacity (ml)
TC9053A	1
TC9053B	2
TC9053C	5
TC9053D	10
TC9053E	20
TC9053F	25
TC9053G	50



### 369. Graduated Pipettes-Order Code - TC9054

Accuracy as per class B. These pipettes are graduated for the delivery from zero mark at the top to any graduation line down to the shoulder color coded, medium wall.



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Order Code	Capacity (ml)
TC9054A	0.1
TC9054B	0.2
TC9054C	1
TC9054D	2
TC9054E	5
TC9054F	10
TC9054G	25

### 370. Liebig Condenser With Standard Joints- Order Code - TC9060

Order Code	Socket Size	Cone Size	Length (App.) mm
TC9060A	24/29	24/29	200
TC9060B	24/29	24/29	300
TC9060C	24/29	24/29	400
TC9060D	24/29	24/29	500

### 371. Alhin Condenser With Standard Joints- Order Code - TC9061

Order Code	Socket Size	Cone Size	Length (App.) mm
TC9061A	24/29	24/29	200
TC9061B	24/29	24/29	300
TC9061C	24/29	24/29	400
TC9061D	24/29	24/29	500

### 372. Coil Condenser With Standard Joints- Order Code - TC9062

Order Code	Socket Size	Cone Size	Length (App.) mm
TC9062A	24/29	24/29	200
TC9062B	24/29	24/29	300
TC9062C	24/29	24/29	400
TC9062D	24/29	24/29	500

### 373. Specific Gravity Bottles-Order Code - TC9063

With interchangeable Glass Stopper.

Order Code	Capacity (ml)
TC9063A	10
TC9063B	25
TC9063C	50



### 374. Thiel's Melting Point Tubes- Order Code - TC9064

Order Code	Capacity (ml)
TC9064A	150 x 18
TC9064B	150 x 25



Note: Specifications are subject to change.

### 375. Viscometer Ostwald-Order Code - TC9065

The relationship between intrinsic viscosity of a polymer solution and relative molecular mass of the polymer allows this apparatus to be used for quantitative determination of relative molecular mass comprises glass U-tube with two bulbs connected by a capillary tube.



### 376. Stalgonometer-Order Code - TC9066

Straight Graduated



### 377. Pyknometer-Order Code - TC9070

TC9070A : Capacity 10m1.

TC9070B : Capacity 25m1

### 378. Bottle B.O.D. With Interchangeable Stopper- Order Code - TC9071

300m1 is for determination of B.O.D. in industrial Effluents & wastes.

Order Code	Capacity (ml)	O.D. x Height
TC9071A	125	55 x 120
TC9071B	300	70 x 143



### 379. Digital Photo Colorimeter- Order Code - TC9101



Set Zero (Auto Zero) : By Press Push Switch with Audio response

Wavelength Range : 405 - 700 nm  
Filters : Built-in 8 Digital Filters >30,000 Hours Life

Filters Wavelength : 405nm, 450nm, 480nm, 520nm, 540nm, 578nm, 620nm, 700nm

Display Parameters : O.D., %T, Wavelength  
Battery Indicator : Graphical Indication  
Detector : Silicon Photo Diode

Accuracy :  $\pm 0.01$  O.D.

Stability :  $\pm 0.02$  O.D. Per Hour

Light Source : Highly Accurate LED Source

Volume : 1 ml Minimum

Dimension : 275 x 187 x 94mm (Approx.)

Weight : 1 Kgs (Approx.)

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Power	: 230 V + 10% AC, 50 Hz
Battery Backup	: 7.2 V Li-ion Re-Chargeable Battery
Accessories	: Set of Test Tube- 5 Nos. Test Tube Holder 1 No. Operating Manual

### 380. Smart Digital Photo Colorimeter-

#### Order Code - TC9102

- This is our smart phone controlled digital photo colorimeter.
- Specification and technical data is same as TC9101. The only difference is, we provide Android application software in CD along with above unit.
- We connect our mobile with the help of Bluetooth and save unlimited data.
- Later on the same data can be shared on Whatsapp or Gmail. (Mobile is not supplied along with the unit)



#### Features

- Smart phone controlled new generation Photocolorimeter.
- Unlimited sample storage in text file.
- Text file can be shared via Whats App & Gmail.
- Real Time Datalogger.
- Instruction manual can be directly downloaded from App.

### 381. Neo Bilirubin Meter-Order Code - TC9105

#### Salient Features

- User Friendly Graphical User Interface
- 3.5 Inch Coloured TFT LCD
- Measurement Time 4 -5 Seconds
- No Lamp Replacement
- Built in Thermal Printer
- Real Time Datalogger
- Dual Wavelength allows eliminating the haemoglobin interference factor



#### Technical Specification

Measuring Method	: Dual Wavelength 455nm and 575nm wavelengths
Display	: 3.5 Inch Coloured TFT LCD
Measuring Range	: 0 to 30 mg/dl
Unit	: mg/dl, umol/l
Sample Container	: Hematocrit Capillary Tubes
Detector	: Silicon Photodiode
Light Source	: LED
Thermal Printer	: Thermal Serial Dot Method
Power	: 220 Volt+10% AC
Dimensions	: 190x190x220mm(Approx.)
Weight	: 3.5 Kg. (Approx.)

Note: Specifications are subject to change.

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### Standard Accessories

Description	Quantity
Capillary Heparinized Tubes	: 1 vial (100 pcs)
Clay Sealer (Wax Plate)	: 1 pcs
Operation Manual	: 1 copy

### 382. Neonatal Phototherapy (double Surface)- Order Code - TC9106

Phototherapy a treatment for hyperbilirubinemia and jaundice in the newborn that involves the exposure of an infants bare skin to intense fluorescent light.

The blue range of light accelerates the excretion of bilirubin in the skin, decomposing it by photooxidation.

The infant is placed nude under the fluorescent lights with the eyes and genitalia covered. The baby is turned frequently, and the body temperature is monitored, using a skin thermistor. All vital signs are carefully noted, and details regarding position of the bulbs, time and duration of treatment, and the infant's response are charted.

- Jaundice is yellow/green-yellow discoloration of the skin, mucous membranes, sclera and body fluids caused by increased levels of circulating bilirubin.

- It usually becomes noticeable at levels of 85mmol/L. **About 60% of healthy babies** become clinically jaundiced in the 1st week of life (i.e. more than half of babies)

- Sources of bilirubin

- **75% of bilirubin production heme from red cell breakdown.**

- 25% of bilirubin production early labeled haemoglobin Risk of serum bilirubin above 340 umol/L is more than twice as high in Asian babies compared to Caucasian infants

- Jaundice can be categorised into : physiological and pathological, unconjugated and conjugated

- It is very important to recognise the characteristics of pathological jaundice

#### Patients

Patients with eye problems should see an ophthalmologist regularly, both before and during phototherapy. Because some ultraviolet rays are emitted by the light boxes used in phototherapy, patients taking photosensitizing medications (medications making the skin more sensitive to light) and those who have sun-sensitive skin should consult with their physician before beginning treatment. Patients with medical conditions that make them sensitive to ultraviolet rays should also be seen by a physician before starting phototherapy. Patients who have a history of mood swings or mania should be monitored closely, since phototherapy may cause excessive mood elevation in some individuals.

### 383. Neonatal Incubator-Order Code - TC9107

Incubators are used to maintain the body temperature of newborn infants. This is best done so that the energy expended for metabolic heat production is minimized. The heat output of these devices is usually regulated by

servocontrol to keep the skin temperature constant at a site on the abdomen where a thermistor probe is attached. In incubators, air temperature can also be controlled as an alternative to skin temperature servocontrol. Increased ambient humidity, heat shields and clothing have been used to decrease the evaporative or nonevaporative heat loss of infants in incubators under certain conditions. Double-walled incubators, by adding a second inner layer of Plexiglas, reduce radiant heat loss. They may also reduce total heat loss, but only if air temperature is controlled rather than skin temperature. The minimal oxygen consumption under a radiant warmer is the same or perhaps slightly higher than it is for the same infant in an incubator.

Compared with incubators, the partition of body heat loss is quite different under radiant warmers. Radiant warmers increase convective and evaporative heat loss and insensible water loss but eliminate radiant heat loss or change it to net gain. A heat shield of thin polyethylene film can be used with a radiant warmer to reduce heat loss by convection and evaporation. The major advantage of the radiant warmer is the easy access it provides to critically-ill infants without disturbing the thermal environment. Its major disadvantage is the increase in insensible water loss produced by the radiant warmer. Most infants can be safely and adequately cared for in either incubator or radiant warmer bed.

#### 384. Digital pH Meter-Order Code - TC9108

A pH Meter is a scientific instrument that measures the hydrogen-ion activity in water-based solutions, indicating its acidity or alkalinity expressed as pH. The pH meter measures the difference in electrical potential between a pH electrode and a reference electrode, and so the pH meter is sometimes referred to as a "potentiometric pH meter". The difference in electrical potential relates to the acidity or pH of the solution.



#### Technical Data

Microcontroller Based Three Point Calibration.  
Auto Temperature Correction Facility  
Display: my, Temperature, and Ph of Solution  
Ph Range: 0 to 14  
0.1 Ph Resolution  
Readout: Alphanumeric Display  
USB Interface (Optional)

#### 385. Accessories For Digital pH Meter-Order Code - TC9109

**TC9109A** : pH Combination Electrode (0-14pH)  
**TC9109B** : Temperature Probe  
**TC9109C** : Electrode Stand (Rotational)

#### 386. Digital Visible Spectrophotometers (Double Display)-Order Code - TC9110

Note: Specifications are subject to change.

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Website: www.tescaglobal.com

Range 340-960nm with facility for automatic concentration, % Transmission and absorbance measurements. 3 1/2 digit data display, separate 3 digit LED display Wavelength in nm with 1nm wavelength resolution. Provision for 10mm & 50mm path length Cuvettes. Provided with set of 10mm & 50mm path length Cuvettes.

#### 387. Accessories for Digital Visible Spectrophotometers-Order Code - TC9111

**TC9111A** : Set of 2 Cuvettes (50mm) Glass  
**TC9111B** : Set of 2 Cuvettes (10mm) Glass  
**TC9111C** : Spare Lamp 6V, 10W

#### 388. Digital Potentiometer-Order Code - TC9112

Digital Potentiometer for Redox Potential Measurement  
3 1/2 digit LED Display, Range 0 to  $\pm 1999$ mV. Resolutions 1mV. Accuracy  $\pm 1\%$ . Power supply 230V $\pm 10\%$  AC. Supplied with O.R.P. Electrodes, Electrode Stand & Dust Cover.

#### 389. Accessories for Digital Potentiometer-Order Code - TC9113

**TC9113A** : Platinum Electrode  
**TC9113B** : Silver Electrode  
**TC9113C** : Reference Electrode  
**TC9113D** : Glass Electrode

#### 390. Auto Digital Conductivity / TDS Meter-Order Code - TC9115

We offer a huge variety of Digital Conductivity/TDS Meters to our customers. Highly accurate and stable, these are offered in field and lab models. These meters help to measure frequency and have adjustment facility in cell constant. We offer these meters in 5 ranges with model conductivity features. Our product has a weight of 1 kg.



#### Salient Features

Display	: Alphanumeric LCD
Range	: 0 to 1000 MOhms/c
Temp Compensation	: Automatic
Cell Constant Adjustment	: Adjustable
Conductivity cell	: Platinum Dip
Power	: 230 V $\pm 10\%$

#### 391. Accessories For Conductivity / TDS Meter-Order Code - TC9116

**TC9116A** : Conductivity Cell ( cell constant 1.0)  
**TC9116B** : Conductivity Cell ( cell constant 0.5)  
**TC9116C** : Cell Stand (Rotational)

#### 392. Digital Turbidity Meters-Order Code - TC9117

#### Salient Features

- 3 1/2 digit LED Display

- Sewerage & Drinking Water Testing
- Measurement upto 1000 JTU

**Item Specification**

Range : 0 to 200 JTU 0 to 1000 JTU 2 Ranges  
 Resolution : 1 JTU  
 Accuracy : ± 3% FS ± 1 digit  
 Sample System : 30 mm clear glass tube  
 Light Source : 6.8 V, Tungsten Lamp  
 Detector : Photo diode  
 Display : 3% digit LED display  
 Accessories : Test Tube Set, Operation Manual & Dust Cover.

**393. Digital Haemoglobin Meter-  
Order Code - TC9120**

- User Friendly Interface
- No Lamp Replacement
- Latest LED Technology
- Auto Calibration
- Light Weight



**Technical Data**

Measurement Method : Cyanmethemoglobin Method (Optional Alkaline Hematin D also Available on Request)  
 Display : 16x2 Alphanumeric Display  
 Wavelength : 540 nm  
 Calibration : Automatic by Press CAL Key  
 Set Zero : Automatic by Push Switch  
 Measuring Range : 0.0 to 30.0 g/dl  
 Photo Detector : Silicon Photodiode  
 Accuracy : ± 4%  
 Light Source : 540 nm Green LED  
 Power : 220 Volt+- 10% AC  
 Frequency : 50 Hz  
 Dimensions : 275 x 187 x 94 mm (Approx)  
 Cuvette : 12x65 mm Round Cuvette  
 Weight Accessories : 0.8 Kg Approx. Operation Manual  
 Set of Round Cuvettes : 5 Nos.  
 Test Tube Holder : 01 No.

**394. Smart Digital Haemoglobin Meter-  
Order Code - TC9121**



Technical data is exactly same as per Cat. No. 9120 except with the following additions :

Interface : Bluetooth  
 Data Logger : Unlimited number of samples  
 Memory : Internal storage of Smart Phone

- This is our smart phone controlled digital haemoglobinmeter.
- We connect our mobile with the help of Bluetooth and save unlimited data.
- Later on the same data can be shared on Whatsapp or Gmail. (Mobile is not supplied along with the unit)
- User Friendly Interface.
- No Lamp Replacement, Thanks to Latest LED Technology.
- Auto Calibration.
- Android Smart Phone Interface using Bluetooth.
- Option to add Patient's name.
- Unlimited Number of Samples along with the Patient's Name, Date & Time can be stored.

**395. Portable Autoclave-Order Code - TC9201  
Technical Data**

Aluminum autoclave with nut type:  
 Specification : Deep down seamless aluminum base with cast aluminum  
 Finish : Mirror finish  
 Electric load : 2KW, Kettle type.  
 Power source : 220,50Hz, single phase.  
 Optional : Electric/ Non electric 9202

Order Code	size	Capacity
TC9201A	12"x12"	21Ltr
TC9201B	12"x15"	26Ltr



**396. Stainless Steel Autoclave Wing Nut Type-  
Order Code - TC9202**



**Technical Data**

Specification : Deep down seamless stainless steel Base with heavy aluminum cast ring. Lid made of stainless steel and cast aluminum.  
 Approx capacity : 21 Lts capacity  
 Finish : Mirror finish.  
 Electric load : 2 KW  
 Power source : 220v, 50 Hz, single phase  
 Optional : Electric/ Non electric  
 Size : 12"x 12"

Note: Specifications are subject to change.

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**397. Stainless Steel Autoclave Cooker Type-  
Order Code - TC9203**

**Technical Data**

Specifications : Deep down seamless stainless steel base and Lid  
 Finish : Mirror finish  
 Electric load : 2KW  
 Power source : 220v,50 Hz single phase.  
 Optional : Electric/ Non electric

Order Code	size	Capacity
TC9203A	10"x10"	10Ltr
TC9203B	12"x12"	20Ltr
TC9203C	14"x12"	25Ltr
TC9203D	12"x20"	40Ltr



**398. Vertical Autoclave Wing Nut Type  
(Economical Model)-Order Code - TC9205**  
 Size : 300mm x 500mm (12"x20")

**Salient Features**

- The outer chamber and inner chamber are made of heavy gauge stainless steel( 202 grade) dully polished. Support ring is made of cast aluminum dully polished . Unit is supplied with pressure gauge, Double safety valve ( spring loaded and dead weight type). Steam release valve and water out let.
- All internal joints are argon arc welded and grinded to give crevice free internals.
- Moulded joint less rubber gasket.
- To work on 220V,50Hz, single phase.
- Operating range upto 15 psi.
- Electric load 2 KW.

Lid made of stainless steel and cast aluminum dully polished.

**399. Vertical Autoclave  
(Economical Plus Model) -Order Code - TC9206**

Size : 300mm x 500mm (12"x20")  
 Same as TC9205 but with addition of heavy duty stainless steel lid.

**400. Vertical Autoclave (Tesca Plus)-  
Order Code - TC9208**

**Salient Features**

- The outer chamber is made of heavy gauge stainless steel dully polished.
- Inner chamber Lid, support ring and support legs are made of complete stainless steel 304 grade dully polished.
- Unit is supplied with pressure gauge, Double safety valve (spring loaded and dead weight type), steam release valve and water out let.
- All internal joints are argon arc welded and grinded to give crevice free

Note: Specifications are subject to change.



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- internals.
- Molded joint less EDPM gasket.
- To work on 220 V/230 V, 50 Hz single phase.
- Electric load 3KW
- Operating range upto 15 psi-20 psi.

Order Code	size
TC9208A	12"x20" Electrical
TC9208B	12"x20" Non Electrical

**401. Optional for Vertical Autoclave  
(Tesca Plus)-Order Code - TC9209**

- TC9209A** : Advanced control box (pressure control switch) low water cut off, timer, musical alarm.
- TC9209B** : Digital temp indicator .
- TC9209C** : Digital temp indicator-cum- controller.
- TC9209D** : Water level indicator.
- TC9209E** : Water inlet assembly.

**402. High Pressure Steam Sterilizer (Tripple Chamber) (For Dry Sterlization)-  
Order Code - TC9211**

**Salient Features**

The outer chamber is made of heavy gauge stainless steel dully polished. Inner chamber, Lid, support ring and support legs are made of heavy gauge stainless steel 304 grade dully polished. Unit is supplied with pressure gauge. Double safety valve, water inlet, water outlet, steam release valve, water level indicator. All internal joints are argon welded and grinded to give crevice free internals. Moulded joint less silicon gasket. To work on 50V/230V,50 Hz, single phase operating range upto 20 psi.



Order Code	size
TC9211A	12" x 20" 2 Drums (11" x 9")
TC9211B	16"x24" 2 Drums (15" x 12")

**403. High Pressure Steam Sterilizer (Tripple Chamber) (Radial Locking)-Order Code - TC9212**

Same as TC9211 but provided with advance radial locking for durability & Safety.

Order Code	size
TC9212A	12" x 20" 2 Drums (11" x 9")
TC9212B	16"x24" 2 Drums (15" x 12")

**404. Optionals For High Pressure Steam Sterilizer  
(Tripple Chamber)-Order Code - TC9213**

Please add extra for the following options in TC9211 & TC9212

- TC9213A** : Dressing drums 11"x9" (for 12"x20"



- High Pressure)  
**TC9213B** : Dressing drums 15"x12" ( for 16"x 24"  
 High Pressure)  
**TC9213C** : Digital Temp indicator  
**TC9213D** : Digital temp indicator-cum-controller  
**TC9213E** : Digital temp indicator-cum-controller  
 and digital timer.

**405. Vertical Laboratory Autoclave (radial Locking) - Double Wall Construction- Order Code - TC9215**

**Salient Features**

The outer chamber is made of heavy gauge stainless steel dully polished. Inner chamber, Lid, support ring and support legs are made of heavy gauge stainless steel 304 grade dully polished. Unit is supplied with pressure gauge. Double safety valve, water inlet, water outlet, steam release valve, water level indicator. All internal joints are argon are welded and grinded to give crevice free internals. Moulded joint less silicon gasket. To work on 550V/230V,50 Hz, single phase operating range upto 20 psi.

Order Code	size	Capacity
TC9215A	10"x18"	22Ltr
TC9215B	12"x20"	45Ltr
TC9215C	14"x22"	75Ltr
TC9215D	16"x24"	90Ltr

**406. Optional for Vertical Laboratory Autoclave- Order Code - TC9216**

- TC9216A** : Digital Temp indicator  
**TC9216B** : Digital temp indicator-cum-controller  
**TC9216C** : Digital temp indicator-cum-controller  
 and digital timer.  
**TC9216D** : Water Level Assembly

**407. Fogger ULV Type-Order Code - TC9220**

AEROFOG is a liquid ULV fogger suited to the application of spraying water and oil based liquids in the fine practical form for disinfection, pest/germ/ odour control application etc. The fogger runs on a high speed FHP Motor that provides maximum thrust of spray, suitable for fogging. Entire body is made of Nylon and internal components are made of S,S, and engg. Plastic to resist corrosion and chemical attack. The storage tank ranges from 6.5 Itr (SS316L grade) To 7.5 Ltr. (HDPE grade), sufficient enough to dispense chemical combinations in various proportions, AEROFOG is thus is an ideal unit for all fogging applications.



**Technical Data**

- Design : Portable  
 Particle size : 1~40 + Microns (controlable from  
 Note: Specifications are subject to change.

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- Dry fog-wet fog)  
 Tank capacity : 6.5 litres (SS316L grade/ HDPF)  
 Power input : 230AC/ 5 Hz , single phase  
 Liquid flow rate : 1~18 ltrs. /Hr (adjustable) optional  
 1~5 ltrs /Hr (adjustable)  
 Particle throw: : visible upto 15~20 fts and more.  
 Area coverage : > 1000 cubic. Fts. (uniformity with  
 TURNSTAND)  
 Motor Speed : 20,000rpm approx.  
 Dry weight : 6~7 kgs  
 Packing dimensions : 15x15x18 inches

**408. Mechanical Timer for Above Fogger- Order Code - TC9221**

Please add extra for mechanical timer in TC9220.



**409. Electronic Timer for Above Fogger- Order Code - TC9222**

Please add extra for electronic timer adjustable 5 to 60 minutes in TC9220.



**410. Student Polarimeter (laurent's Half Shade)- Order Code - TC9231**

Specially designed for easy to use, moderately priced, for colleges and research laboratories. Ideal for determining the specific rotation of optically active substances. Our Polarimeters are now extensively used in industrial laboratories as well. A corning glass tube is enclosed in a circular aluminum tube with top door for access and exclusion of external light. The circular scale is attached near the analyzer and the range of measurement is 0-360°. A movable Vernier on the scale enables reading of optical rotation to 60 seconds. Worm and gears combine rough and fine adjustment, provided with Half Wave Mica Plate, giving three parts field for easy setting, adjustable half shadow angles. This instrument can be used on monochromatic light only. When light passes through a polarized sheet and then through the solution, the emerging light is observed through rotatable polarized lens, analyzer which is used as eyepiece. The angle of light is rotated and read directly on the circular scale. Supplied on the adjustment stand, Packed in cardboard box with working manual.



#### 411. Student Polarimeter (Bi-Quartz) - Order Code - TC9232

Same as TC9231, fitted with Bi-Quartz in place of mica, giving colored distinction, accuracy check 5°.

#### 412. Research Polarimeter (Research Model Half Shade for 200mm Tube) - Order Code - TC9233

- Sensitive rotating half shade device.
- Having angular and sugar scale from 0° to 360° and +130° to -30° I.S.S. Sub divided into 0.10 micrometer drum enable to read upto 0.05° by estimate workable for use with polarimeter tube 200mm.
- Analyser : Glans Thompson Prism.
- Arrangement for 35W sodium lamp light source, input 220V+10% VAC.
- Borosil glass tube 200 mm.
- Plywood storage cabinet, instruction manual, dust cover **supplied without Sodium Vapour Lamp & Transformer.**



#### 413. Spare Polarimeter Tubes - Order Code - TC9234

With bulb in the center, 200 mm in velvet lined case.



#### 414. Spare Polarimeter Tubes - Order Code - TC9235

With Cup in the center, 200 mm in velvet lined case.



#### 415. Research Polarimeter (Research Model Half Shade for 400mm tube) - Order Code - TC9240



Range of measurement : +130° to -30° Vernier  
Accuracy: 0.1°(I.S.S.)  
Telescopic Magnification : 4.5X  
Least Count : 0.05°  
Analyser : Glans Thompson Prisms.  
Polariser and Half shade : Prism System.  
Polarising Aperture : 6 mm

Note: Specifications are subject to change.

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Website: www.tescaglobal.com

Light Source : Metallic case for 35Watt Sodium Vapour Lamp  
Light Source Input  
220V+10% VAC.  
Tube : Borosil Glass Tube 400mm cup type.  
Cabinet : Plywood Storage Cabinet.  
**Supplied without Sodium bulb & transformer.**

#### 416. Abbe's Refractometer - Order Code - TC9241

The body of the instrument is fixed, with a leaning of 60°. Correct Refractive Index and Sugar Percentage can be read directly in the field. It consists of Abbe's Double Prisms with the Thermostat, Compensator, Telescope Mirror, Limb, Graduated Sector, Reading Magnifier and Radical Arm which carries a Vernier.



Abbe's Double prisms leaves a narrow space (about 0.1 mm) between the adjoining faces of the prisms. Compensator consists of the Amici Prisms which serve for reading the line of Ach. Separation.

#### Technical Data

Measuring : ND. 1.3000 to 1.7000  
( Reflecting index)  
Measuring Accuracy : ± 0.001 by direct reading,  
± 0.0001 by estimation  
Sugar % in solution : 0 to 95% (± 0.5%) Dispersion:  
ND. 0.0005%

#### 417. Hand Refractometer (Erma Japan Make) - Order Code - TC9242

With accuracy 2%, Built in Amici prism and special light reflection system for colour elimination to obtain sharp critical boundary line and optimum contrast. Hand Refractometer are available in three ranges.

Order Code	Range
TC9242A	0 to 32%
TC9242B	28 to 62%
TC9242C	58 to 92%



#### 418. Vacuum Pumps Single Stage - Order Code - TC9245

Vacuum pump single stage Oil sealed, air cooled, V-belt driven and mounted on base plate with belt guard etc., With motor 220 volts AC single phase.



Order Code	Displacement Litre / Min	Motor HP AC Single Phase
TC9245A	32	0.25
TC9245B	50	0.25
TC9245C	75	0.50
TC9245D	100	0.50

#### 419. Vacuum Pumps Double Stage-

##### Order Code - TC9246

Same as above but with two stages to give better vacuum.

Order Code	Displacement Litre / Min	Motor HP AC Single Phase
TC9246A	32	0.25
TC9246B	50	0.25
TC9246C	75	0.50
TC9246D	100	0.50

#### 420. Accessories For Single Stage & Double Stage Pumps-Order Code - TC9247

TC9247A : Vacuum gauge with regulator.

TC9247B : Vacuum gauge with regulator and non-return valve and vacuum gauge with regulator combined.

TC9247C : Moisture trap with non-return valve and vacuum gauge with regulator combined.

#### 421. Suction Pump-Order Code - TC9249

Cabinet made of MS Sheet, Powder coated. Top made of stainless sheet with vacuum gauge voltmeter & vacuum control unit. Oil sealed, air cooled, single phase motor (Crompton Motor) of 1/4 HP is used. Pressure upto 760mm.



#### 422. Vacuum & Pressure Pump-Order Code - TC9250

This vacuum pump is ideal vacuum filtration, vacuum distillation, vacuum drying, gel drying, chromatography applications and so on.



Order Code	Max. Flow Ltr./Min	Max. Vacuum	Max. (PSIG)	Motor H.P.
TC9250A	15	22	25	1/20
TC9250B	15	27	35	1/16
TC9250C	45	22	40	1/8
TC9250D	45	27	60	1/4

#### 423. Gooch Crucible-Order Code - TC9260

Gooch crucibles with sintered glass disc are manufactured from Borosilicate glass 3.3 Grade. They are ideal for filtering and drying precipitates easily since

Note: Specifications are subject to change.

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there is no requirement for any filter paper. Gooch crucible made from porcelain have perforated Bottoms. They need filter paper for filtering process. Sintered disc of porosity G-0 or G-1 or G-2 or G-3 or G-4

Order Code	Capacity (ml)
TC9260A	15
TC9260B	30
TC9260C	30



#### 424. Tubes, Filter For Gooch Crucibles-Order Code - TC9261

Manufactured from borosilicate glass 3.3 grade.

Suitable for use with Tesca filtering crucibles Gooch Type with sintered disc.

Order Code	O.D. x L mm
TC9261A	27 x 150
TC9261B	36 x 160
TC9261C	56 x 170



#### 425. Filter Apparatus-Order Code - TC9262

Complete with filtering flask, Gooch crucible with sintered disc of porosity G-1 or G-2 or G-3 or G-4, as per cat. no. 9260 & glass adapter as per TC9261 and rubber cone.

Order Code	Capacity ml	Disc Dia.
TC9262A	250	30mm
TC9262B	500	30mm
TC9262C	100	50mm



#### 426. Buchner Funnel-Order Code - TC9263

without Cone at Stem Gooch Funnel (Buchner) with sintered glass disc,

- With sintered glass of porosity G-0 or G-1 or G-2 or G-3 or G-4.
- Plain stem diameter is approximately 8mm.
- Manufactured from Borosilicate glass 3.3 grade, which is resistant to heat and almost all chemicals.
- Highly resistant to most of the corrosive reagents including acids.

Order Code	Capacity ml	Disc Dia.
TC9263A	35	30mm
TC9263B	80	40mm
TC9263C	200	65mm
TC9263D	500	90mm

#### 427. Buchner Funnel-Order Code - TC9264

with Cone at Stem Buchner funnel with sintered disc of

porosity G-1 or G-2 or G-3 or G-4, Cone at stem.



Order Code	Capacity ml	Disc Dia.	Joint
TC9264A	35	30mm	14/23 or 19/26
TC9264B	80	40mm	14/23 or 19/26
TC9264C	200	65mm	19/26 or 24/29
TC9264D	500	90mm	24/29 or 29/32

#### 428. Filter Apparatus-Order Code - TC9265

Complete filter flask with Socket and Buchner Funnel with sintered disc of porosity G-1 or G-2 or G-3 or G-4 having cone at stem as per TC9264.

Order Code	Flask Cap. ml	Buchner Funnel	Joint
TC9265A	250	580	24/29
TC9265B	500	200	24/29
TC9265C	1000	500	29/32
TC9265D	2000	1000	29/32



#### 429. All Glass Filter Holder (47mm- Filtration Assembly)-Order Code - TC9401

- HPLC Mobile Phase Filtration.
- Analysis of particulate/bacterial contamination & general laboratory micro-filtration.
- Units have G3 coarse porosity Frits & accommodate 47mm filters/25mm filters.
- All glass design ensures Chemical Compatibility with most of the organic solvents.

##### Technical Data

- 100% Borosilicate Glass with fitted glass filter base. Base design has integral vacuum connection located above filtrate drip to prevent contamination of vacuum line with droplets.
- Anodized aluminium spring clamp.
- Filter size : 47mm
- Effective filtration area : 9.6cm<sup>2</sup>
- Funnel Capacity : 300ml
- Flask Capacity : 500ml/1Ltr./2Ltr./5Ltr.

- Made of borosilicate glass with fitted glass filter base.
- The base design has an integral vacuum connection located above the filtrate drip to prevent contamination of the vacuum line from droplets.

Note: Specifications are subject to change.

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- Anodised aluminium spring clamp.
- The filter size is 47mm.
- The effective filtration area is 9.6cm<sup>2</sup>
- Used for the filtration of HPLC solvents and aqueous mobile phase solutions and buffers.
- The scaled funnels simplify dosing and analysis.

Order Code	Capacity ml	Filtration Base Size mm
TC9401A	500	30mm
TC9401B	1000	30mm
TC9401C	2000	50mm

#### 430. Spares For All Glass Filter Holder (47mm-Filtration Assembly)-Order Code - TC9402

Order Code	Cap. ml	Description
TC9402A	500	Flask for Filter Holder
TC9402B	1000	Flask for Filter Holder
TC9402C	2000	Flask for Filter Holder
TC9402D	300	Flask for Filter Holder
TC9402E	47	Filter Support Base For Filter Holder
TC9402F	47	Aluminium clamp for filter holder

#### 431. All Glass Filter Holder (90mm- Filtration Assembly)-Order Code - TC9403

- HPLC Mobile Phase Filtration.
- Analysis of particulate/bacterial contamination & general laboratory micro-filtration.
- Units have G3 coarse porosity Frits & accommodate 47mm filters/25mm filters.
- All glass design ensures Chemical Compatibility with most of the organic solvents.

##### Technical Data

- 100% Borosilicate Glass with fitted glass filter base. Base design has integral vacuum connection located above filtrate drip to prevent contamination of vacuum line with droplets.
- Anodized aluminium spring clamp.
- Filter size : 47mm
- Effective filtration area : 9.6cm<sup>2</sup>
- Funnel Capacity : 300ml
- Flask Capacity : 500ml/1Ltr./2Ltr./5Ltr.
- **Capacity ml - 5000**
- **Filtration Base Size mm - 90**

#### 432. Spares For All Glass Filter Holder (90mm-Filtration Assembly)-Order Code - TC9404

Order Code	Cap. ml	Description
TC9404A	5000	Flask for Filter Holder with B55 Cone
TC9404B	1000	Flask for Filter Holder
TC9404C	90	Filter support base for Filter Holder
TC9404D	90	Aluminium clamp for Filter Holder

### 433. Vacuum Manifolds (Stainless Steel)-

#### Order Code - TC9405

- Manufactured from highest grade stainless steel to filtrate upto three samples at the same time.
- This system is manufactured to be used with 47/50 mm diameter membranes. Supplied as a single unit without accessories.
- Individual PTFE control valves allow filtration through different branches with a single vacuum pump.



Order Code	Manifold model
TC9405A	with 1 funnel holder
TC9405B	with 3 funnel holder

### 434. Mini Centrifuge Digital-Order Code - TC9450

Micro processor controlled, Micro Centrifuge machine (Mini Centrifuge)

Speed range from 1000 to 10000rpm in step of 1000.



#### Technical Data

- Fitted with maintenance free motor (Brushless without carbon)
- Complete body made of ABS plastic, injection moulded
- Fitted with 0.15 minute digital timer
- Supply completed with 2 standard rotors as under :
  - a) Angle rotor 6 micro centrifuge of 1.5 ml capacity
  - b) Angle rotor 12 micro centrifuge tubes of 0.5ml capacity.

Speed R.P.M	Weight RCF(x g)
1000	56
2000	223
3000	503
4000	894
5000	1396
6000	2011
7000	2737
8000	3575
9000	4524
10000	5585

### 435. Mini Centrifuge Digital-Order Code - TC9451

Micro Centrifuge machine (Mini Centrifuge) Speed range 7000 rpm.

#### Technical Data

- Fitted with high quality motor with carbon brushes.
- Complete body made of ABS plastic injection moulded.
- Supply completed with 2 standard rotors as under :
- Angle rotor 6 micro centrifuge

Note: Specifications are subject to change.



- of 1.5 ml capacity
- Angle rotor 12 micro centrifuge tubes of 0.5ml capacity.

### 436. Serum Centrifuge-Order Code - TC9452

The best model for clinical, Pathological, Biochemistry and Pharmacy/Pharmaceutical Labs and to separate blood serum.



#### Technical Data

- Bench Top Clinical Centrifuge Machine.
- The body is made of CRC sheet, finished in powder coating
- See through acrylic lid.
- Fitted with mechanical Timer 0-99 minutes and a manual blind speed controller.
- Maximum speed 3000rpm (without load) and 2850 rpm on load.
- Equipped with maintenance free brushless (without carbon) motor.
- Supply is completed with 8x15ml Angle head.
- Dimensions : 325 x 375 x 270mm
- Weight : 16Kg Approx.

### 437. Serum Centrifuge-Microprocessor Based-Digital (without carbon-3000 rpm)-

#### Order Code - TC9454

- The best model for clinical, Pathological, Biochemistry Labs to separate blood serum.
- It is also most suitable for I.V.F. labs where low speed is recommended.



#### Technical Data

- Bench top Digital Microprocessor based Serum centrifuge Machine with LCD display
- The body is made of rust proof ABS injection moulding with metallic protection bowl.
- Fitted with microprocessor based pre programmable speed controller to control speed from 500-3000 rpm in the interval of 250rpm.
- Digital Timer 0-99minutes.
- 2 lines of 16 character LCD display of rpm, R.e.f. set time and run time.
- Programme remains in memory and displays on LCD. Just push start button and the machine will run on programme time and speed.
- To work on 220volts 50Hz A.C.

The machine comes with only one rotor head which is to be selected by customer from below mentioned table.

Order Code	Type	No. of Holes x Tube
TC9454A	Swing out	8 x 15ml
TC9454B	Swing out	16 x Vacuainers
TC9454C	Swing out	16 x 12 x 75mm / 12 x 100mm borosil tube
TC9454D	Angle	12 x 15ml

## Tesca Technologies Pvt. Ltd.

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### 438. Laboratory Centrifuge-Microprocessor Based Digital (General Purpose-4400 rpm)- Order Code - TC9455

- Compact Laboratory Centrifuge Machine, Microprocessor based, digital.
- Body made of rust proof ABS Plastic injection moulding with metallic protection bowl
- Lid lock for safe drive.
- Equipped with 0-99 minute timer.
- 2 lines of 16 character LCD display of rpm R.e.f. for set & run time.
- Programmable speed regulator from 500 to 4400rpm in interval of 100 rpm
- Last test parameter recall and displays automatically on LCD.



#### Technical Data

Max. Speed	: 4400rpm
Motor	: Universal Motor (with carbon brushes) 1/8 H.P.
Dimensions	: 395 x 360 x 280mm
Net Weight	: 12.5kg approx.

The machine comes with only one rotor head which is to be selected by customer from below mentioned table.

Order Code	Type	No. of Holes x Tube
TC9455A	Swing out	8 x 15ml
TC9455B	Swing out	16 x Vacuutainers
TC9455C	Swing out	16 x 12 x 75mm / 12 x 100mm borosil tube
TC9455D	Angle	12 x 15ml

### 439. Centrifuge Machines -Simple Handi Type- Order Code - TC9460

Supplied with speed regulator, used for separation of fluids in laboratory. General purpose, medium quality.

Order Code	Capacity	RPM
TC9460A	4 Tubes	3000
TC9460B	6 Tubes	2800
TC9460C	8 Tubes	2500



### 440. Clinical Centrifuge - Doctor Model- Order Code - TC9461

- Supplied with speed regulator.
- 8 tubes : 2800 RPM



### 441. Centrifuge Tubes - Plain-Order Code - TC9462

Manufactured from borosilicate glass 3.3 grade, conical shape.

Order Code	Capacity
TC9462A	10ml
TC9462B	15ml
TC9462C	50ml



### 442. Centrifuge Tubes - Graduated- Order Code - TC9463

Manufactured from borosilicate glass 3.3 grade, conical shape.

Manufactured from borosilicate glass 3.3 grade, conical shape.

Order Code	Capacity
TC9463A	10ml
TC9463B	15ml
TC9463C	50ml



### 443. Dessicator -Plain (Neutral Glass)- Order Code - TC9464

Supplied with suitable porcelain plate.

Order Code	Size mm
TC9464A	160
TC9464B	210
TC9464C	240
TC9464D	300

### 444. Dessicator -Vacuum (Neutral Glass)- Order Code - TC9465

Supplied with suitable porcelain plate & with stop cock.

Order Code	Size mm
TC9465A	160
TC9465B	210
TC9465C	240
TC9465D	300

### 445. Dessicator - Plain (Plastic)- Order Code - TC9466

Order Code	Size
TC9466A	6"
TC9466B	8"



### 446. Dessicator - Vacuum (Plastic)- Order Code - TC9467

Supplied with suitable stop cock.

Order Code	Size
TC9467A	6"
TC9467B	8"



Note: Specifications are subject to change.

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