

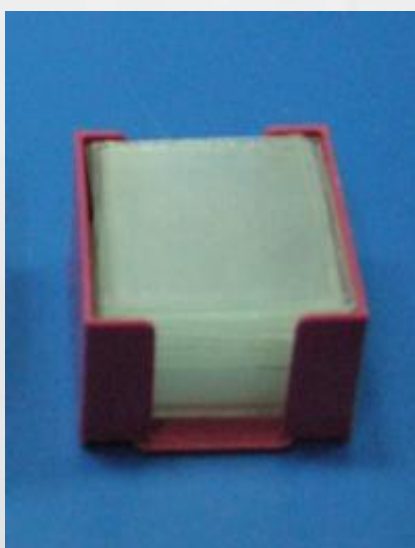
PHYSICS

Set of (119) Prepared Microscope Slides



Suitable wooden or hard plastic box. Key in Arabic and English language.

Slide cover (cover glasses)



Material: Resistant glass Thickness: (0.15) mm Dimension: (20 × 20) mm approx. Note: Pre-cleaned

Microscope Slides box



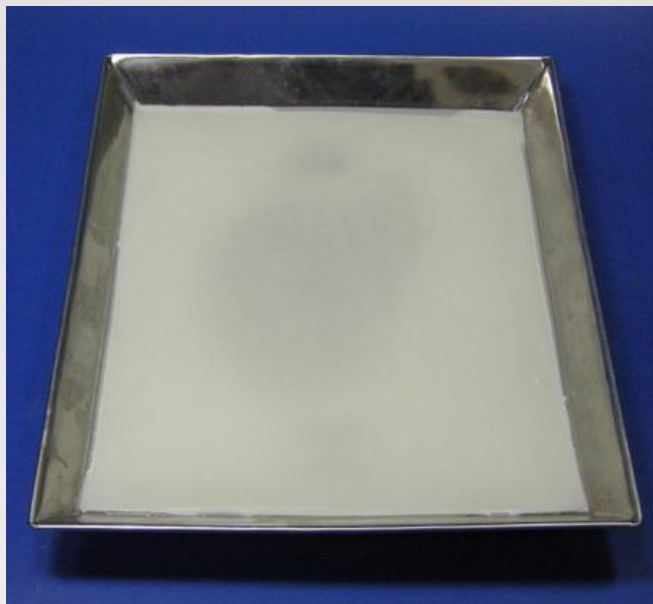
Material: Made of soft wood. Components: Hinged lid. Index inside the lid.: Slide is held in the number slot. Capacity: (50) slide, preferred in two rows.

Microscope slides



Material: Made of glass Dimension: (75 × 25) mm approx. Thickness: (1-1.5) mm approx. Note: Polished edges

Dissecting dish



Material: Made of stainless steel with wide lip (edge)
 Component: Contains. thick layer of slandered black wax (1.25 cm) thickness Dimension: (L× W× D) (400 × 300 × 70) mm approx.

Dissecting Set



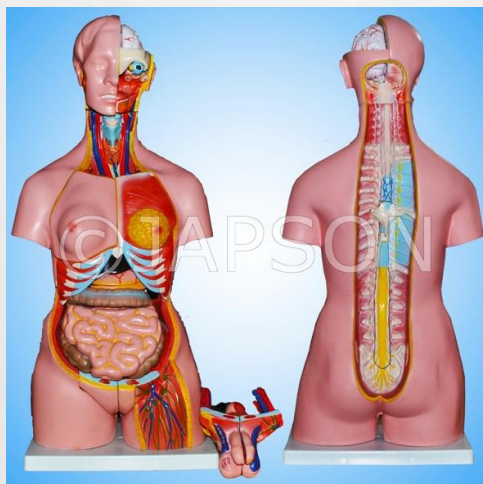
Material: 14 pieces stainless steel in leather bag with addition of 10 blades Component: Contains. thick layer of slandered black wax (1.25 cm) thickness Dimension: (L× W× D) (400 × 300 × 70) mm approx

DNA Model



Material: Unbreakable plastic. Dissectible. Size: H: (60-70) cm approximately. Dimension: (3) Dimension. No. of pairs: (12) Pairs are colored and marked with identifying letters and shape with different size. Components: Two flexible strands that represent alternating ribose and phosphate units join the ends of the base. Vinyl dust cover. Descriptive key both in Arabic and English language. The model is mounted on a suitable base.

Human Torso Model



Material: Material unbreakable PVC plastic -Dissectible Size: Natural life size. No. of parts: (23) parts at least. Components: Open – back torsos. Removable organs include: The head is opened to show half of brain (The removable head is dissected to show internal details of: nose, mouth, one eye with optic nerve trachea, aorta with esophagus, two - part lungs, heart, stomach, pancreas with spleen, liver with gallbladder, small and large intestine, half of a kidney And the front of the bladder. The back is open from the cerebellum to the sacrum, and the seventh thoracic vertebra is removable. Interchangeable of male and female reproductive systems. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Human Ear Model



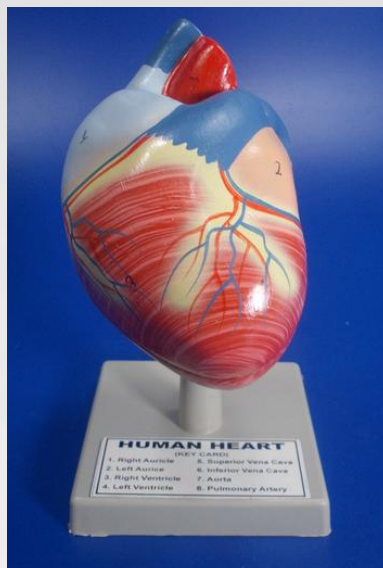
Material: Unbreakable plastic- Dissectible parts. Size: Enlarged three times approximately No. of parts: (6) parts. Dimension: Parts are (4-5) times actual size Components: All parts of the ear are shown, includes the external ear (pinna and tympanum), the middle ear, (Malleus Incus and stapes) and Internal ear represented by cochlea and the semicircular canals. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Human Eye Model



Material: The lens and the vitreous humor are made of clear plastic Other parts are made of unbreakable vinyl plastic, Dissectible parts. Size: Enlarged (5-7) times. No. of parts: The model separates into (7) parts. Components: The model includes the eyeball with optic nerves, detachable parts include the cornea, iris, lens and vitreous body rectus bulbi, levator palpebrae superioris muscle together with the lacrimal gland, eyeball with extra ocular muscles. The model is mounted on suitable base., Vinyl dust cover. Descriptive key both in Arabic and English language.

Human Heart Model



Material: Unbreakable vinyl plastic, Dissectible. Size: Enlarged (2-4) times approximately. No. of parts: At least Two parts. Components: Arteries painted red and veins blue. External view shows all blood vessels entering and leaving the heart and blood supply on the heart muscles, The muscular walls and the valves of the heart are clear shown, Features are numbered. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Human Kidney Model



Material: Unbreakable plastic, Dissectible. Size: Size life size 2 parts No. of parts: Dissected into two parts. Components: Shows all the anatomical features of the cortex, medulla, and the renal blood vessels, Consist of pyramids with papillae, partially open renal pelvis, and ureter The model is mounted on suitable base, Vinyl dust cover Descriptive key both in Arabic and English language.

Human Brain Model



Material: Unbreakable plastic. Dissectible parts: Size Life size for adult. No. of parts: Dissected into four parts. Components: Model showing all the details of human brain cerebrum, cerebellum, brain stem and blood vessels. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Human Skeleton Model



Material: Unbreakable solid plastic, Skull can be dissected Size: Full size No. of parts: Skull can be removed. Dimension: Height (170) cm or more. Components: The main joints are articulated. The skeleton model is mounted on metal stand with wheeled base (4-5) wheels Vinyl dust cover, Descriptive key both in Arabic and English language

Section of Dicotyledonous Stem Model



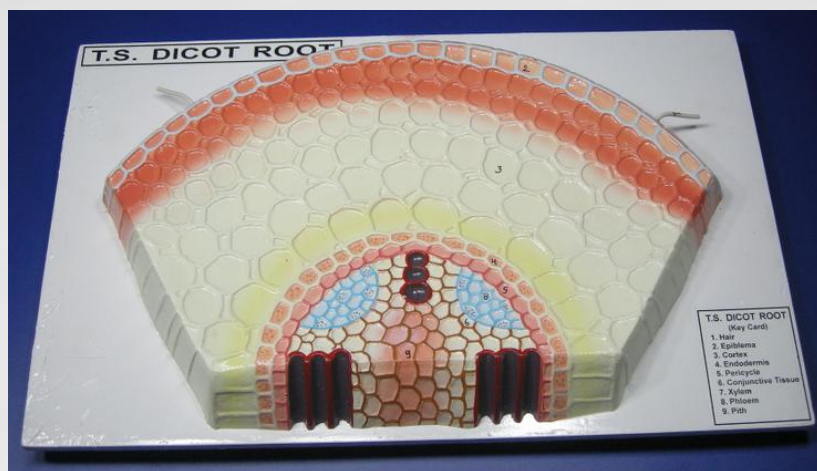
Material: Unbreakable plastic. Size: 36x24x17 cm at least Components: Colored model. Showing a transverse, radial and tangential section. Show epidermis, cork layer, xylem, phloem, and cambium pith. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Monocotyledon Stem Model



Material: Unbreakable plastic. Size: 42x13x41 cm at least Components: Colored model. Shows the detail of the cross-section stem. Show cuticle layer and epidermis. Details of closed vascular bundles. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language. test tube, bristle fan shaped head, on wire handle, head diameter 10mm

Dicotyledonous Root Model



•Material: Unbreakable plastic. Size: 37x19x9 cm approx. Components: Colored model. Showing all the details of dicot root section. Show root hair. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Leaf , Transverse Section Model



Material: Unbreakable plastic. Size: 42x13x41cm Components: Colored model. Showing the details of the dicotyledon structure include dorsal and ventral page, xylem, phloem, and mesophyll. Show the lower surface of leaf with stomata The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

MONOCOTYLEDON ROOT MODEL



Material: Unbreakable plastic. Size: 37x19x9 cm approx.
Components: Colored model. Showing all the details of cross section. The model is mounted on suitable base, Vinyl dust cover. Descriptive key both in Arabic and English language.

Binocular Compound Microscope



Eye pieces : (10) \times W.F or (15) \times W. F- Eye pieces pointer. Tube: Long. Not less than 160 mm. Inclined.: 30° - 45° . Rotatable.: Not less than 360° Objectives: (4 \times), (10 \times), (40 \times) or (60 \times), and (100 \times) oil lens. Quadruple: Quadruple revolving nose piece with click stop. Stage: (120 \times 120) mm approx. Built-in graduated coaxial knob mechanical stage. Numerical apertures: N.A (1.25) condenser with iris diaphragm and filter holder. Illumination/power supply: Should be through built - in transformer. (10-25) W/ (6) V illuminator. To be operated from (220 - 240 V / 50 Hz). Others: Course and fine adjustment knobs. Strong wooden or aluminum box, with lock and key. Vinyl dust cover. Oil immersion (10) ml. Two spare lamps (10 - 25) W at least. Manual included. Metal base and reagent resistant finish Note: Sample may require. Product single size 22 \times 20.5 \times 39 cm at least

Stereo microscope (binocular)



Eye pieces: (10 X) to (20 X). Eye pieces (pair) are locked in place with small grub screw and cannot be lost or accidentally fall out. The interpupillary distance is adjusted between (55) and (75) mm. The left eye tube has a separate focusing collar. Ocular tube : Stand stable design with binocular head inclined at (45°). Head can be rotated through (360°). Locked in any position using thumb screw. Objectives: (2 X), (4 X), wide field. Illumination/ power supply Built-in illuminator (6) V power supply. Transformer to be operated from (220-240 V/ 50 Hz). Lamp: Two lamps are fitted to provide both transmitted and incident illuminator (10-25W). One lamp is located directly turn angled down to the stage plate. The lamps can be switched on separately. Stage: Transparent stage plate. Others: Course and fine adjustment knobs. Strong wooden or aluminum box, with lock and key. Vinyl dust cover. Manual included. Metal base and reagent resistant finish. The microscope base is fitted with two stage clips.

PHYSICS

Electroscope



Case: Heavy metal rectangular or circular with 4mm earth socket. Windows: One or two glass windows. Base: Insulated. Pointer: Aluminum rotatable light rod, balanced in a vertical position, fixed from center. Dimensions: More than $(15 \times 11 \times 6)$ cm approx. or 190 mm diam. For circular one.

Proof plane



Disc Or Sphere of Dia.: Not less than (20) mm. Rod: Insulating. Minimum 15 cm approx. length

Spherical conductor



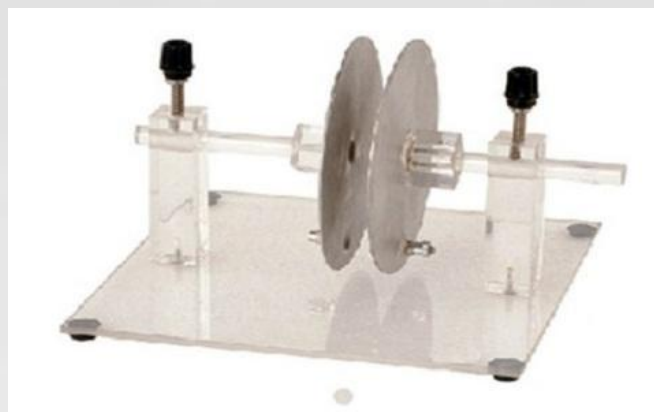
Shape: Sphere with dia. (80) mm approx. Material: Nickel plated brass or Aluminum. Base: Insulated stable durable with insulated rod to mount the conductor.

Ebonite rod



Material: Ebonite polished finish. Dimensions: length, (300) mm approx. Dia.: (13) mm. approx.

Parallel plate condenser



Purpose: For demonstration of relation between capacity and distance. **Plates:** Pair of Aluminum plates. **Dimensions of plate:** (10×10) cm approx. **Sockets:** Pair of (4) mm. **Base:** Insulated. **Accessories:** Supplied with (3 different materials and each one of these materials have two plates different in thickness. (Total will become 6 plates), and the plates should equal in Dimensions of parallel plates.

Resistance box



Type: noninductive **Total Resistance:** (11110) Ω **Switch Positions:** (4) **From:** (0-10) \times (1) Ω (0-10) \times (10) Ω (0-10) \times (100) Ω (0-10) \times 1k Ω . **Step:** One (Ω) in step **Sockets:** A pair of (4) mm sockets

Rheostat



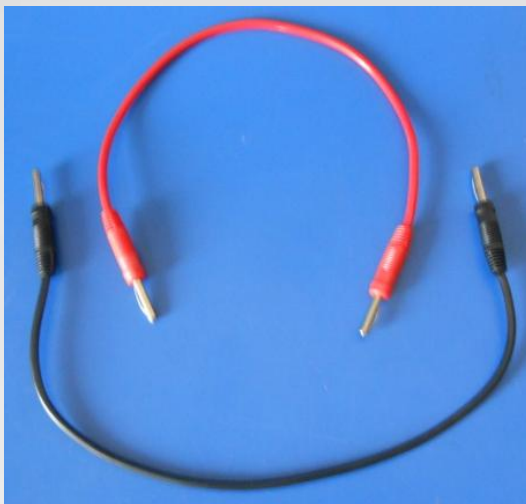
Type: Tubular, with sliding contact Resistance: $\geq (100) \Omega$ Max.
Current One Ampere Approx. Sockets (3) at least

Standard Resistance Units



Type: Non-inductive, separated inside plastic box. Resistances (5) Ω , $\pm (0.05)$, (1) watt. Approx. (10) Ω , $\pm (0.05)$, (1) watt. Approx. (50) Ω , $\pm (0.05)$, (1) watt. Approx. (100) Ω , $\pm (0.05)$, (1) watt. Approx. (200) Ω , $\pm (0.05)$, (1) watt. Approx. (500) Ω , $\pm (0.05)$, (1) watt. Approx. Sockets: A pair of (4) mm for each

Leads Set (Banana)



Leads Set: Banana plugs., Flexible leads., Double (PVC) covered. Material: Copper. set of (6) pieces consist of: (25) cm long (red, black)., (50) cm long (red and black)., (100) cm long (red and black). Copper Dia.: Not less than (2) mm with (4) mm plugs

Leads Set (Crocodile)



Leads Set: Crocodile plugs., Flexible leads., Double (PVC) covered. Material: Copper. set of (6) pieces consist of: (25) cm long (red, black), (50) cm long (red, black), (100) cm long (red, black). Copper Dia.: Not less than (2) mm with (4) mm plugs

Digital Low voltage power supply



Output: Variable from (0-20) volts approx. DC and AC. Maximum Current: (3)A approx. Input: (220-240) volts AC, (50) Hz. Protection: Fuse protection; with (5) spare fuses. Meter: Digital built-in meters one for voltage and current. Sockets: Two pairs one for AC and the second for DC deferent in color. Cord: (2) Meter long with British standard (3) pen square sockets.

Ammeter (DC)



Ranges: (50) mA, (500) mA, (5) A Scale: Not less than (80) mm Subdivision: About (2 %) of full scale

Galvanometer



Type: Moving coil Ranges: (50-0-50) μA Scale: Not less than (80) mm Subdivision: About (2%) of the full scale Sockets: Pair Sockets 4mm

Voltmeter (DC)



Ranges: two -1+3V, -5+15V Scale: Not less than (50) mm Accuracy: (3.33%) of the range Adjustment: Zero adjustment

Digital multi meter



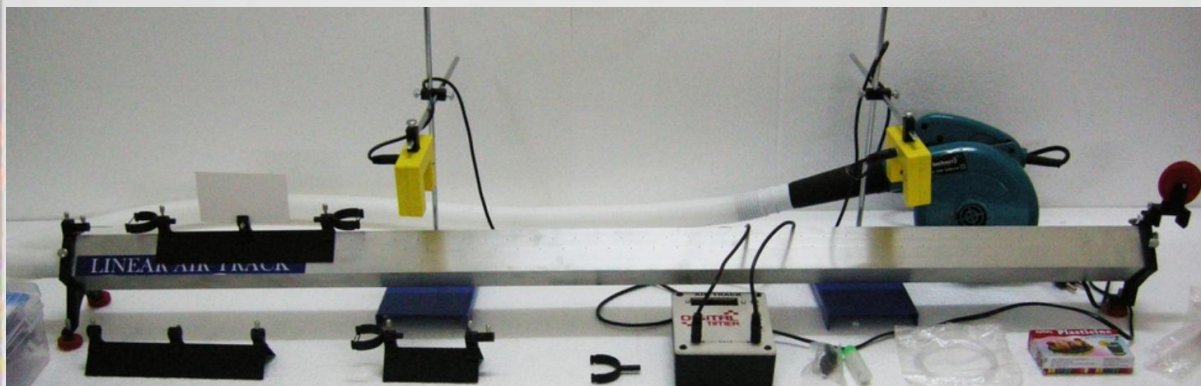
Measuring Ranges: AC current ranges: Up to (10) A DC current ranges: 2 mA-10 A +1%+1 DC voltage ranges: 2 V-1000V +0.5%+2 AC voltage range: 2 V-750 V+1.2%+10 Resistance measurement: 200 Ω -2000K OHMS+0.8%+2 MAX DISPLAY: 1999 RANGE: MANUAL TRANSISTOR TEST: YES STANDERD Complete: Test leads, Fuse & diode protection, Carrying case, Data hold, Auto power off

VAN DE GRAFF GENERATOR



Dome material Dia.: Removable sphere., Polished aluminum., More than (175) mm dia. Belt: Genuine leather. Connections: (4) mm earth sockets in dome and base. Collecting Combs: Aluminum mesh. Voltage Developed: Up to (250) kV. Discharge Spherical Dia.: More than (70) mm dia. Material: Polished Aluminum. Insulating: Mounted on insulating rod. Grounding: With (4) mm socket. Spark Length: (60) mm or more. Power: (220 - 240) V/ (50) Hz. On/off switch and fuse. Set Of Accessories: Faraday's Pail of Aluminum with base, Perspex cylinder with suspended. Hollow Metal sphere, Head of hair, Point discharge, Neon bulb, Two spare belts, electric tester, Electric whirl, Fuse, comb.

AIR TRACK APPARATUS



Working Length: Air track of (200) cm approx., with clear graduation. Material: Good aluminum or equivalent, anti-rust

Components: Blower, (1500) watt approx. working voltages (240) V, (50) Hz with continuously variable speed controller. On/Off switch Two large gliders (20cm long, 300-400 gm. mass) approx. Two small gliders with half of the large gliders mass. Lobe bumpers. Three springs or more suitable for harmonic motion. Self-adhesive buffers Plastic holder for inelastic collision Five adjustable feet or more Kits and instruction book let Any other accessories will be considered

TIMER SCALER AND FREQUENCY COUNTER Working on: 220-240 V AC/ 50Hz, On-Off Sockets: For two photo gates Timing modes: Three modes: for normal, memory, and period Range: Digital range (0-1000) seconds, in four digits or more Completed With: Two Photo gates, 1 meter or more long cables, can be mounted on a stand

Spherical mirror



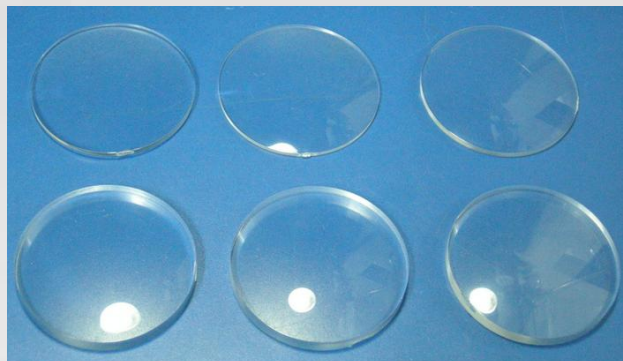
Concave: Set of three mirrors, Silver coated front, Surface, (75) mm. dia. for each. Focal length: (15) cm; (20) cm., (30) cm. Convex: Set of three mirrors, Silver coated front, Surface, (75) mm. dia. for each. Focal length: (15) cm., (25) cm, (30) cm.

Lens holders



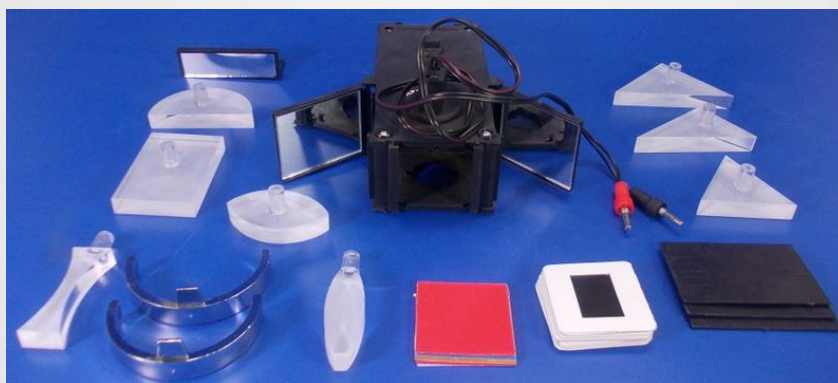
Material: Good, polished wood. Number: Set of six. Specifications: Each holder has a stable square base & suitable for lenses and mirrors. Accessories: There are keys for fix it

Optical lenses



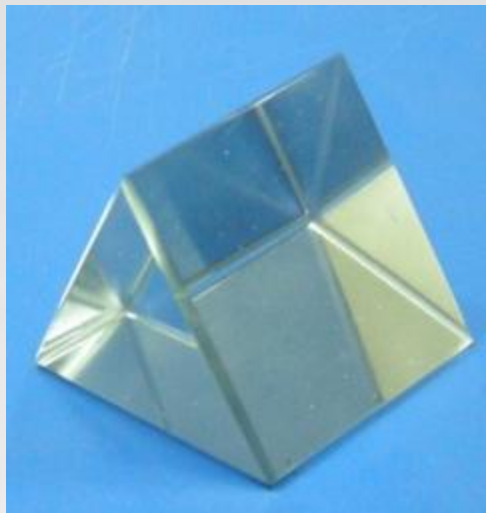
Consist of: Diverging: (4) Lenses of optical glass. Dia. for everyone (50) mm., Focal length for each (10, 15, 20, 30) cm. Converging: (6) Lenses of optical glass, Dia. for everyone (50) mm. Focal length for each (10, 12.5, 15, 20, 25, 30) cm. Deferent: (6) Lenses of optical glass include one. Lenses type: Double Convex., Plano Convex, Concavo-convex, Double concave, Plano concave, Convexo-concave, Diameter of Each one (50) mm. All in wooden or plastic box.

Light box & optical set



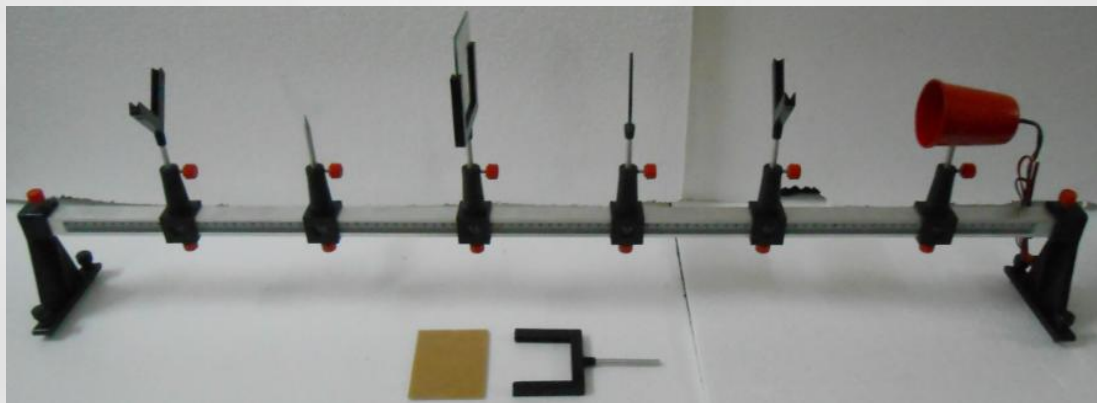
Light source: Light box, Metal or hard plastic box contain cylindrical concave lens Two or three mirrors, (12) Volt lamp and power \geq (24) Watt. Completed with: Refractors: Double concave lens, Double convex lens, An equilateral prism., Right angel prism., Triangular rectangular, Semicircular blocks. Reflectors: Circular, Plane, Parabolic mirrors Filters: (8) colored filters; Red, green, blue, cyan, violet, yellow, orange, magenta. Slit plates: One slit., Three slits, Five slits' plates Colored cards: Set of (8) colored cards, Red, green, blue, cyan, violet, yellow, orange, magenta. Optical disk: Circular plate of aluminum, With (20) cm dia., (2) mm thickness. with degrees scale, On the circumference., Case: Wooden or good plastic box for good storage.

Set of Prisms



Shape: (60×60×60) degrees., (90×60×30) degrees., (90×45×45) degrees. Material: Clear glass with refractive index (1.52) approx., Polished faces. Dimensions: Each Prism has one side not less than (5) cm. Thickness: \geq (3) cm. (Set of 3)

Optical bench



Bench: From (100 to 120) cm., Longaluminum bench with index marks, Built in measuring tape for reading the distance
 Light source: High intensity halogen lamp (12) volt (50) w., With slide holder. Accessories: (4) Carriers with screw., (2) Wax candle holders., (2) Convex lenses. (2) Concave lenses., One Cross slit., One Plane mirror., One Convex mirror., One Screen., One screen holder., One Filter holder.

Perspex blocks



Material: Perspex, All faces fully polished, Refractor index about (1.4). Shape: Set of three pieces Rectangular, (100× 75 × 25) mm. approx. Semicircular. Dia. (100) mm. approx. Glass rod dia.10 mm ×length 10cm

Plain mirror



Material: Glass with silver coated surface. Dimensions: (100×100) mm. approx. Accessories: Block holder or clip.

Set of tuning forks



Material: Best quality steel. Prong length: (80 – 150) mm. approx.
 Frequencies: (256), (288), (320), (341), (384), (426), (480), (512) ± 5 Hz.
 Number: (8) pc. /Set Storage case: Plastic or wood Hummer: Rubber

Ripple tank



Tank: Aluminum frame with (4) detachable legs with screw adjusting foots. Working area: Glass or polycarbonates plate (50×30) cm with (5) cm depth approx. Sealed to the frame by special gasket, With an integral beach with built-in drain and closure. Screen: Large translucent screen. Ripple Generator: An electric motor mounted and do not touch the tank, with its controller. G. frequency: Variable From (5 to 60) r/s, or wider. Generator holders: Two stoppers mounted on stand steel rods, Two-point sources exciters, A plane wave exciter. Ripple Power supply: Input of (220) volt, (50) Hz. , Two outputs one for the lamp the other for the generator. Light source: Halogen dot lamp., (12) volt D.C., (100) watt with support stands., Clamps so it can adjust in height. Reflectors: Pair of straight barriers (150×25) mm., Curved reflector with (160) mm curved length, (25) mm height., Short straight barrier (25×25) mm. Refractors: Set of different shoal's shape (Rectangular, Triangular, Convex lens, Concave lens) Thickness between: (5 – 10) mm

Demonstration springs



Slinky Spring: Material: Antirust steel. Diameter: (75) mm approx. Length: (10) cm when closed, (80) cm or more when extended. Snaky Spring Material: Antirust steel. Diameter: (20) mm approx. Length: (180) cm when not stretched, (800) cm or more when stretched

Digital StopWatch



Type: Digital. Material: Good material., Waterproof., (50) mm dia. approx. Buttons: Start / stop separated buttons. Accurate: Not less than (0.01) sec.

Lever stick



Stick: (50) cm long., Hard plastic stick, With scale of cm and mm, grooved for every 10mm Weight hanger: Set of (4) same hangers to hang on the stick and fit in holes. Weights: hanger with hook 10g x10 pcs.

Inclined plane



Construction: Rigid metal plane (60) cm long., With base Less than (50) cm long. Scales: Angular scale (0-60) degrees., And Longitudinal scale parallel to the plane. Pulley: Metal or hard plastic pulley with bearing., Mounted at the top of the plane., With a height adjustment. Accessories: (500) gm. Roller, cord, weight hanger.

Micrometer



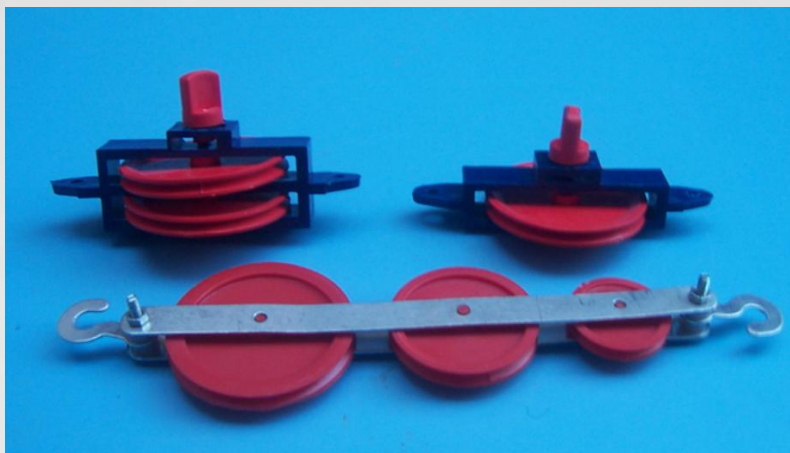
Material: Nickel- plated brass Parts: Ratchet top, locknut, oxidized threaded steel rod. plated brass Range: (0-25) mm. \times (0.01) mm approx. . protective Case: Fine wood or plastic

Vernier callipers



Purpose: Measuring length, Internal, External dimensions, Depth. Measurements: Taken at a reading window with scale in mm (150mm \times 0.1mm) approx. Complete with: Thumb wheel. Material: Antirust high-quality steel. Protective case: Fine wood or plastic

Pulley system



Set of: (3) Systems of non-parallel pulleys Single, double, and triple pulleys. Material: Rigid plastic pulleys with aluminum frames Hooks: Two suspension hooks at both ends of each frame Dimensions: The single (50) mm. Dia., The double (50) and (40) mm. Dia., The triple (50), (40), and (30) mm. dia.

Ball and ring



Parts: Captive brass ball., Brass ring. Material: Brass. Ball Dia: Min. (25) mm. Complete with: with handle.

Compound strip



Materials: Bimetallic strips. Dimensions: (150 × 20) mm approx.
Handle: Wooden.

Calorimeter



Material : Copper. Dimension: One inner vessel (75 × 50) mm diameter carried on cork or rubber supports. One outer vessel (100 × 75) mm diameter. Shape: One lid for outer vessel with central tubule for thermometer & slit for stirrer. Complete with: One stirrer.

Triangular Stand



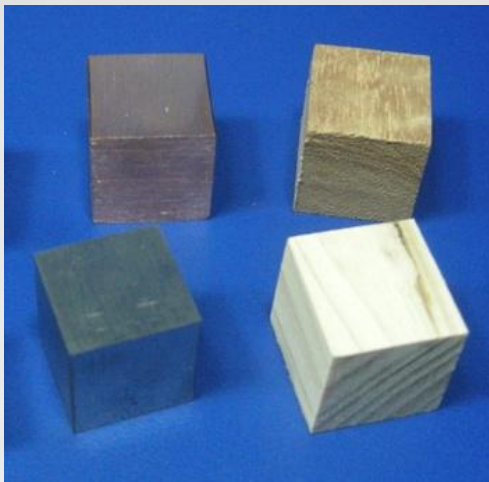
Shape: Triangular. Material: Aluminum or Steel, Antirust, With rubber cap in the end of each leg Legs Shape: Welded legs bent out –wards. Length: One side (125 to 170) mm. Height: (200) mm approx.

Meter



Material: Antirust stainless steel Graduated: 100(cm) and (mm).

Cubes for density investigation



Number: (4) pc. /Set material: Copper – Aluminum – wood – Lead
Dimensions: (20×20×20) mm approx.

Weights



Number: (10) pc. /Set Capacity: 2×5gm , 4×10gm, 1×50gm ,
2×100gm, 1×200gm Join with: hooks on both sides Material:
Weight brass

Clinical thermometer



Type: Mercury in clear glass. Rang: From (+35) to (+43) C°. Subdivision: (0.1) C°. Length: About (120) mm.

Thermometer (alcohol C °)



Type: Colored alcohol in clear glass. Scale: From (- 20) to (+100) C°. Subdivision: (1) C°. Length: About (300) mm.

Bar magnet



No. Of Magnets: Pair of magnets Dimensions: (80×20×10) mm
Approx. Material: Alnico, and two different colors Case: Plastic or wooden.

Small compass



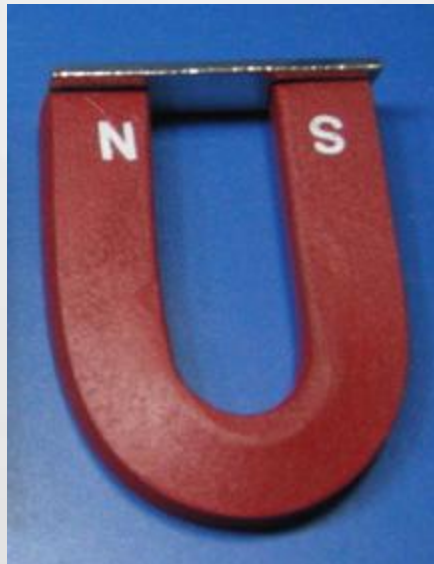
Dia.: About (20) mm. Scale: Directions marked. Case: Plastic.

Horse shoe magnet



Material: Alnico, very strong, with keeper Poles Gap: (25) mm. approx. Length: About (100) mm. Section: About (10×15) mm.

U-shape magnet



Material: Alnico., Very strong., With keeper. Length: About (60) mm Thickness: About (10) mm. Distance Between Poles” About (20) mm Case: Plastic.

Pascal's law set



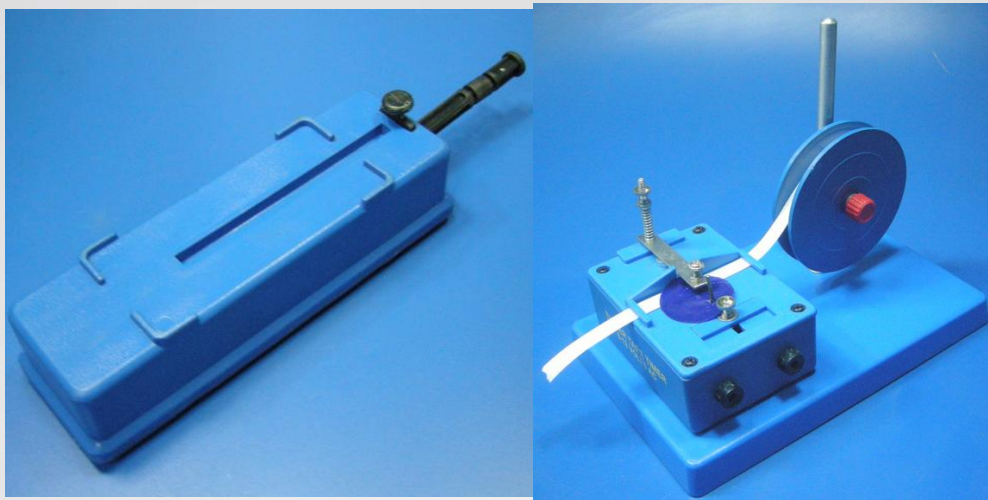
Set: Two apparatus. first VESSELS: Set of three: cylindrical, conical, and thin shaped vessels Vessels Holder: Elastic. Pressure Measuring: U shape manometer. Accessories: Tubes set, Clips., Base: Strong. second CYLINDERS: Set of 4 various sizes (15,10,5,3) cc. Main Cylinder: Larger than the other cylinders, about (20) cc. Connectivity: By jack stand with the main cylinder. Accessories: A set of connecting hoses, Valves. Base: Hard plastic suitable for the main cylinder and other cylinder

Displacement vessel



Material: Aluminum or steel or plastic , antirust Dimensions: (115×90) mm approx. Complete with: Overflow spout

Mechanical Cart



Cart: Set of (2) mechanical carts with small friction ball bearing, (3) wheels. Dimension of cart : $30 \times 10 \times 10$ cm approx. Impulse: Built-in spring, With impulse rod which can give different impulses Accessories: with ticker tape timer and 100 meter paper tape roll

Single pulley



Pulley: Single pulley mounted on steel cone bearings. Frame: Solid brass or steel with suspension hook at the top Pulley dia.: (50) mm. approx.

Spring balance



Set of: (4) balances Cover: Transparence plastic tube with colored top., Two hooks from top and end., Zero adjustable screw. Scale: Both grams., Newton scales. Capacity: (250), (500), (1000), (2000) gm.

Graphite plates



Plate material: Graphite, thickness (5) mm approx. Dimension of plate: (100) mm× (40) mm approx. (Length X width) Additional accessories: Fitted with two pair 4 mm socket terminals

Forces table



Using: to study of summed vector forces and forces law Surface table material : (Metal or Aluminum Alloy) Circle table with detachable legs Circle table Diameter: (40) cm approx. Circle table scale: The table surface scaled by degree angles from (0- 360) in 10° increments Height of table: (40) cm approx. table Include: At least four Adjustable Super Pulleys with clamps, and Spool of (thread or strong string) Hangers: The hangers must joint for each one side to hang between the weights and (thread or strong string) Weights: (4) slotted weights for each one pulley

Double pan balance



Base Material: Rigid base with solid construction. (Metal) Pan: Removable Metal pan dia. about (15) cm approx. Capacity: Up to 2000 gm- sensitivity 0.1gm The balance Must: Zero Adjusts Complete with: weights set 2×10 gm., 4×20 gm, 2×50 gm., 3×100 gm., 1×500 gm., 1×1000 gm- sensitivity 0.1gm

A mineral set for cleavage



Kit component: (12) numbered Samples Gypsum, Calcite, Halite, Biotite, Muscovite, fluorite, Galena, Talc, Quartz, Azurite, Sulfur, Hematite Packing: box made of plastic or wood with Smooth and safe edges Purity: All Samples are pure crystalline and show typical set of cleavage for each Size: Size about (5×5 cm.) approx. legend & user guide: ID numbers for each sample installed on the samples its selves. The user guide is installed on the box and indicate the number of the sample and its name in both Arabic and English

A set Of Igneous Rocks



Kit component: include 12 rocks numbered samples as the following: Granite, Diorite, Gabbro, Peridotite, Rhyolite, Andesite, Basalt, Xenoliths, Obsidian, Pumice, Scoria, Pyroclastic Packing: box made of plastic or wood with Smooth and safe edges Purity: All Samples Show Typical Features Size: Size about (7.5×10cm.) approx. legend & user guide: ID numbers for each sample installed on the samples its selves. The user guide is installed on the box and indicate the number of the sample and its name in both Arabic and English

A Set of Chemical and Biochemical Sedimentary Rocks



Kit component: Includes (12) rocks numbered samples as the following: limestone, Dolomite, Travertine (spongy rock), White – colorless massive salt rocks, Gypsum, Coquina, Chalk, Chert, Coal rock, Phosphate, Sand stone , Shale Packing: box made of plastic or wood with Smooth and safe edges Purity: All Samples Show Typical Features Size: Size about (7.5*10cm.) approx. legend & user guide: ID numbers for each sample installed on the samples its selves. The user guide is installed on the box and indicate the number of the sample and its name in both Arabic and English

A Set of Metamorphic Rocks



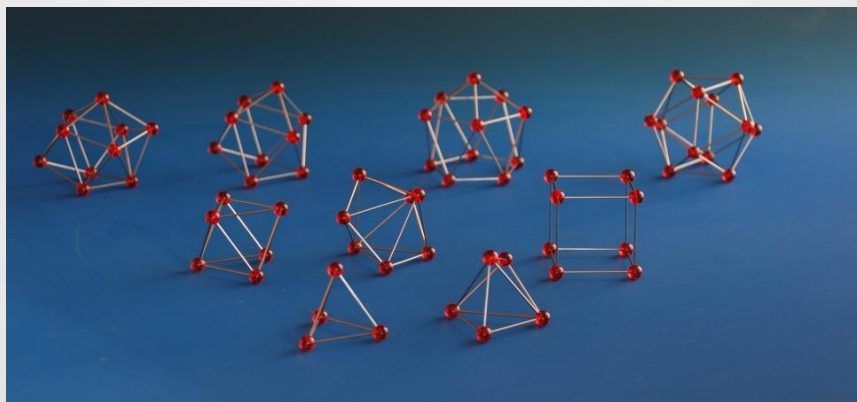
Kit component: Includes (6) rocks numbered samples as the following Slate: well-foliated Phyllite: well- foliated Schist: well foliated, coarse grained Gneiss: well banded White marble: pure calcite Quartzite: pink, tightly cemented, medium quartz grains Packing: box made of plastic or wood with Smooth and safe edges Purity: All Samples Show Typical Features Size: Size about (7.5×10cm.) approx. legend & user guide: ID numbers for each sample installed on the samples its selves. The user guide is installed on the box and indicate the number of the sample and its name in both Arabic and English

Fossil for Record life



Kit component (8) 1-Ammonite, 2-Trilobites,3-Gaastropods 4- Typical bivalve mold, 5-Typical Cast ,6-Wood, 7-Fern plant,8-Plant leaf impression., Legend & user guide: ID numbers for each sample installed on the samples its selves. The user guide is installed on the box and indicate the number of sample and its name in both Arabic and English.

Crystal Models



Features: Set of six of most important models (Isometric form, Hexagonal, Rhombohedral, Tetragonal, Orthorhombic, Monoclinic, and Triclinic Systems). Forms of unbreakable strong transparent plastic material, fixed with bass mounting rod serves both as crystallographic axis and a shaft for rotating, each model on its labeled. White cord also serves as an axis and black lines on the outer model illustrate yet another form. With suitable plastic box to keep it safely. Size of each model: (10 x 15) cm approximately. legend & user guide: With identification list included a detailed user's guide in both Arabic and English.

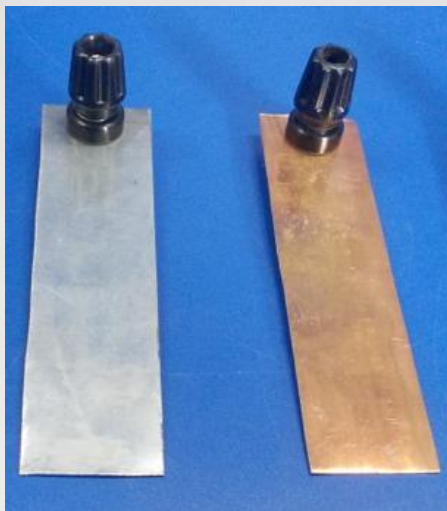
Field Magnifier



Jobs of tool : 10X magnifier for field rock study. Design of tool: Optics are securely mounted in nickel or stainless steel – plated case that slides into its own protective housing

Chemistry

Plates for Electrolysis



Set of: 2 Dimension of plate: (100) mm× (40) mm approx. (Length X width) Plate material: Pure copper, thickness (1.5) mm approx. Pure zinc, thickness (1.5) mm approx. Additional accessory: Fitted with 4 mm socket terminals

Pair of Carbon electrodes



Length: (200) mm Supplied in: With plastic holder for easy adjustment of electrodes.

Hot plate with magnetic stirrer



Heated plate: Square hot plate made of stainless steel., Dimension)15× 15)cm. approx. Temperature variable: (30 – 320)C° Speed variable: (50 -1500) r.p.m Operating voltage: (220)V/(50)Hz .Ac. Heating controlled: By high quality regulator., Heater on indicator light. Speeding controlled: By high quality regulator., Speed on indicator light. Additional specifications: With foot ground cord and plug to operate. The heat switch and the speed switch separated, The accuracy for Temperature will be ± 2 %. Magnetic stirrer 3 pieces: Made from PTEF follower bars., Center rim length (30-35) mm., Dia. (10) mm approx. All external surfaces: Made of an attractive heat., Scratch resistant stove epoxy polyester paint. Services manual in Arabic and English language, maintenance drawing.

Electronic Balance



Weighing: Weighing in grams. Display: 3 digit LCD Capacity: Capacity (2000)gm.- Calibration up to 3-point(4,7,10) 500ml Accuracy: (0.1)gm.- Auto-Off and water proof Operating voltage: (220)V- (50) Hz .Ac. and can be operated on a low battery, fuse protection., Supplied with chargeable device., Automatic shut off after reasonable period when not used. Weighing Pan: Stainless steel., Dia.(8) cm approx. , Services manual in Arabic and English language, maintenance drawing.

pH and temperature meter



pH range: (0) – (14) Accuracy: (± 0.01)pH Temperature range: (0) –(100) °C Temperature resolution: (0.1 /C° Display: (3) Digit LCD read out showing pH and Temp. Operating voltage: (220)V/(50)Hz .Ac, Can be Operated on a chargeable low battery., fuse protection Complete with: Chargeable device., Combination electrode Additional specifications: Electrode stand., Buffer solution (4, 7, 10) (50) ml for each., With spare electrode. Services manual in Arabic and English language, maintenance drawing.

Spectrum Tubes



Set of: (7) Tubes Shape: Straight form. With side electrodes. Dimensions of tube: (200) × (6,5) mm (length X diameter), (50) mm fine capillary in the middle. Filled with gas or vapor: Oxygen, Neon, Helium, Nitrogen, Argon, Hydrogen and Mercury. , (At low pressure).

Spectrum Tube Stand With Power Supply



Dimensions: (37)× (11.5)× (7.5) cm Approx. Operating voltage: (220) volts AC/(50)Hz Other features: An on /off switch and pilot light. The components are housed in metal box fitted with a 6 feet grounded power cord. Sockets are fully shielded to prevent electric shock. The bottom sockets is spring loaded for easy changing of tubes

Hoffman voltmeter



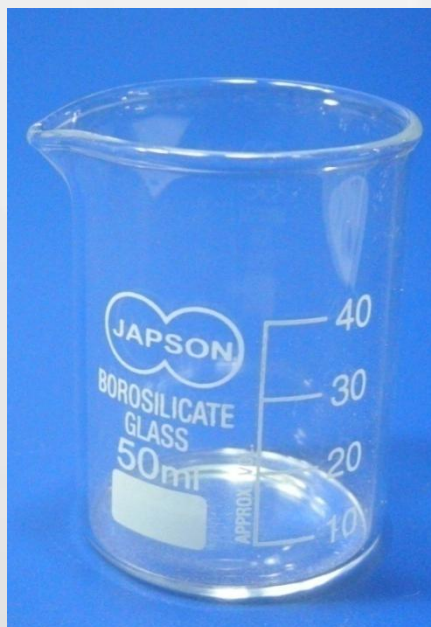
Glass: Borosilicate Graduated: Outer limbs graduated 50*0.2 ml Notes: With power supply (12)volts D.C. One pair of platinum electrodes. , 8cm length. One pair of carbon electrodes mounted in rubber, 8cm length. Metal stand (60cm height of stand), Support with clamp, With PTFE, key stopcock.

Beaker 25ml



Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

Beaker 50ml



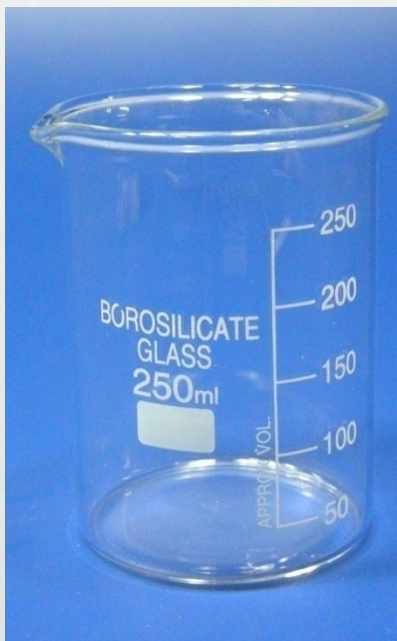
Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

Beaker 100ml



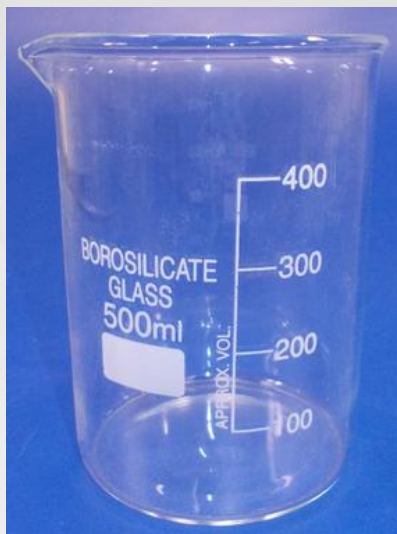
Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

Beaker 250ml



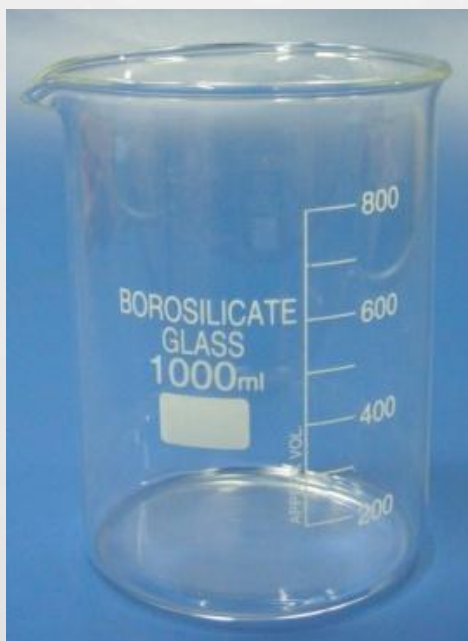
Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

Beaker 500ml



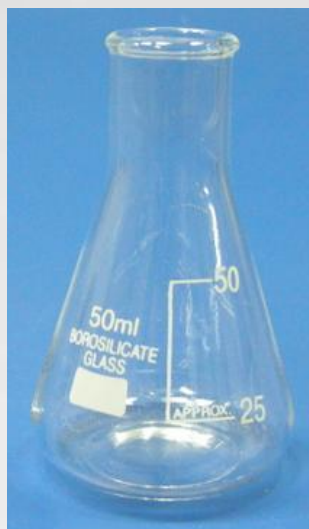
Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

Beaker 1000ml



Glass: Borosilicate Graduated: Yes, With spout, with rim, permanent amber graduated Borosilicate clear glass.

ERLENMEYER (Conical flask) 50ml



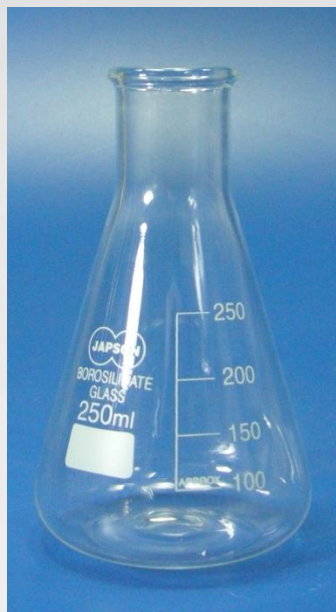
Glass: Borosilicate. Graduated: Yes. Narrow neck

ERLENMEYER (Conical flask)100ml



Glass: Borosilicate. Graduated: Yes. Narrow neck

ERLENMEYER (Conical flask)250ml



Glass: Borosilicate. Graduated: Yes. Narrow neck

ERLENMEYER (Conical flask)500ml



Glass: Borosilicate. Graduated: Yes. Narrow neck

Volumetric flask 50ml



Glass: Borosilicate. With ceramic graduation in the top. Fitted with chemical resistance stopper

Volumetric flask 100ml



Glass: Borosilicate. With ceramic graduation in the top. Fitted with chemical resistance stopper

Volumetric flask 250ml



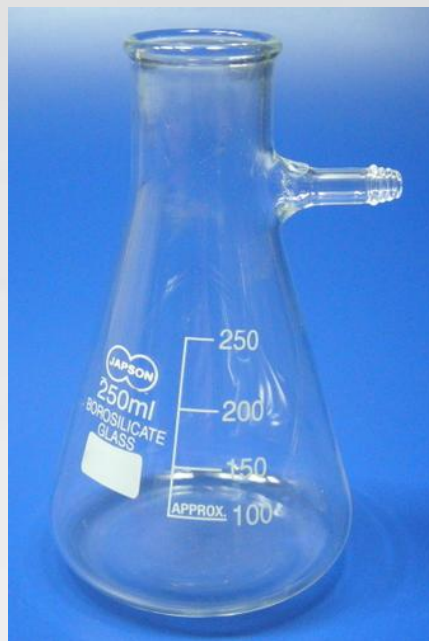
Glass: Borosilicate. With ceramic graduation in the top. Fitted with chemical resistance stopper

Volumetric flask 500ml



Glass: Borosilicate. With ceramic graduation in the top. Fitted with chemical resistance stopper

Filtering flask 250ml



Glass: Borosilicate Graduated: Yes, Conical. With integral side arm.

Filtering flask 500ml



Glass: Borosilicate Graduated: Yes, Conical. With integral side arm.

Separating funnel



Glass: Borosilicate Capacity: (500) ml, Conical.
Interchangeable plastic stopper., PTFE key stopcock.

Stirring Rod



Glass: Borosilicate Pack of: (10), Dia. (6-8) mm, length (300) mm, Spade and button ends.

Graduated pipettes 10ml



Glass: Borosilicate Graduated: Yes. With ceramic graduation.,
Calibrated to deliver from zero at top.

Graduated pipettes 25ml



Glass: Borosilicate Graduated: Yes. With ceramic graduation.,
Calibrated to deliver from zero at top.

Leibig Condenser



Glass: Borosilicate (quick fit) Socket & cone size: 24/29. Inner tube, fused into outer jacket, Effective length 300mm

Distillation head



Glass: Borosilicate (quick fit) Socket & cone size: (24/29). With socket for thermometer sleeve and matching cones for flask and condenser.

Fractional column



Glass: Borosilicate (quick fit) Socket & cone size: (24/29). Removable effective., Length (400) mm.

Boiling flask (Round bottom) 500ml



Glass: Borosilicate (quick fit) Socket size: 24/29. One neck.

Pipette Bulb 1ml



Glass: Borosilicate Graduated: Single graduation on upper stem, Bulb form, Color coded: Blue

Pipette Bulb 2ml



Glass: Borosilicate Graduated: Single graduation on upper stem, Bulb form, Color coded: Blue

Pipette Bulb 5ml



Glass: Borosilicate Graduated: Single graduation on upper stem, Bulb form, Color coded: Blue

Pipette Bulb 10ml



Glass: Borosilicate Graduated: Single graduation on upper stem, Bulb form, Color coded: Blue

Safety Thistle funnel



Glass: Borosilicate, safety thistle funnel, With bend and two safety bulb (dia. 22mm) Length (300)mm.

Salt bridge



Glass: Borosilicate, (U) Tube shape. Length 30mm, Dia. of arms (13)mm. approx. Overall: Width: (80)mm. approx., Height: (100)mm. approx.

Test Tubes



Set of: (2) Glass: Borosilicate Capacity: (20ml, 30 ml) Length × outer Diameter: 16x150mm , 25x150 mm Wall thickness: (1.8) mm Pack quantity: (100), Heavy wall., Strong resistance to heat and chemicals., Round or flat bottom with rim.

Tubing connector T shape



Glass: Borosilicate, (T) shape, Three ways. Ribbed end for rubber tubing (8) mm outside dia.

Tubing connector Y shape



Glass: Borosilicate, (Y) shape, Three ways. Riffled end for rubber tubing (8) mm outside dia.

Graduated Measuring Cylinder 10 ml



Glass: Borosilicate Graduated: yes, Uniform wall thickness., White enamel., Single graduated metric scale. Pour-out and a molded base.,

Graduated Measuring Cylinder 50 ml



Glass: Borosilicate Graduated: yes, Uniform wall thickness., White enamel., Single graduated metric scale. Pour-out and a molded base.,

Graduated Measuring Cylinder 100 ml



Glass: Borosilicate Graduated: yes, Uniform wall thickness., White enamel., Single graduated metric scale. Pour-out and a molded base.,

Graduated Measuring Cylinder 250 ml



Glass: Borosilicate Graduated: yes, Uniform wall thickness., White enamel., Single graduated metric scale. Pour-out and a molded base.,

Graduated Measuring Cylinder 500 ml



Glass: Borosilicate Graduated: yes, Uniform wall thickness., White enamel., Single graduated metric scale. Pour-out and a molded base.,

Burette



Glass: Borosilicate Capacity: (50)ml subdivision (0.1)ml
Graduated: Yes. With single straight bore., Teflon stopcock.
Blue ceramic graduation.

Clear glass Reagent Bottle 125ml



Glass: Soda. Narrow mouth with acid proof polypropylene stopper.

Clear glass Reagent Bottle 250m



Glass: Soda. Narrow mouth with acid proof polypropylene stopper.

Crucibles 50ml



Porcelain, glazed outside and inside, Tall form with lid (cover).

Evaporation basin 50ml



Porcelain, glazed in side only

Gas jars



Shape: Cylindrical shape. Height× dia.: (20× 5) cm
Specifications: With suitable gas, jar glass made from glass and ground one side. Clear and heavy duty glass, Circular sheet glass ground one side.

Mortar and pestle



(External dia.): (15) cm, Porcelain, glazed outside and unglazed grinding surface.

Filter funnel



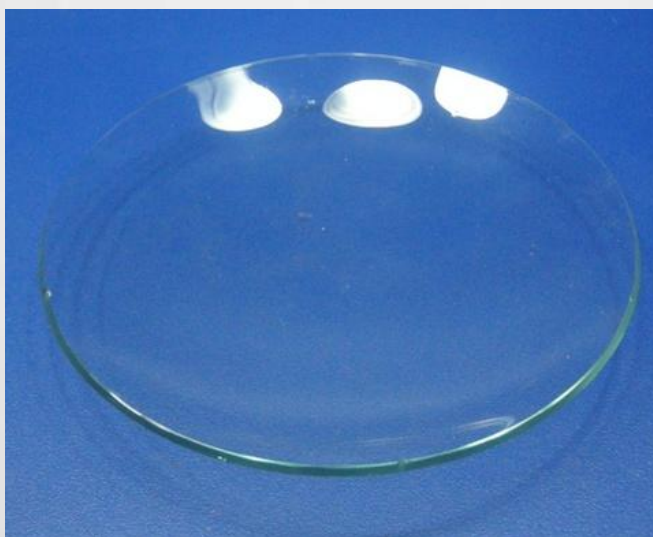
Set of (2) Material : Polypropylene. Resistant to: Acid. Alkalis. Oils. Spirits. Stem: 80mm approx. Funnel Dia.: (50)mm, (100)mm

Aluminum Foil



Purity: $\geq 99\%$, Density: 2.7 g/cm^3 Physical State: Solid
Appearance Shiny Aluminum foil, $450\text{mm} \times 75 \text{ mm}$. Container:
Sealed in thick carton box from manufacturer

Watch Glass



Packing: Pack of (10) in thick carton box Material and
description: made from Flint Glass Dimensions: -Dia. (100) mm

Both sides open Test Tubes



Packing: Pack of (6) in thick carton box: Material & Description - Plain, Clear Borosilicate glass tube. - Good Chemical resistance. - (Both Sides Open Tubes) Dimensions: - Length: \geq (500) mm, - Internal diameter: \geq (30) mm, - Wall thickness: \geq (2) mm.

Blue Litmus Paper



Packing: Pack in cardboard case of 5 books, each with 20 leaves (total 100 leaves)

Red Litmus Papers



Packing: Pack in cardboard case of 5 books , each with 20 leaves (total 100 leaves)

Universal Indicator Paper



Packing: (5m) reel. Dates of production and expiry must be stated on the label of the case. Change color: The color changes across PH – range (1- 14) Container: Sealed in Plastic

Beehive shelves



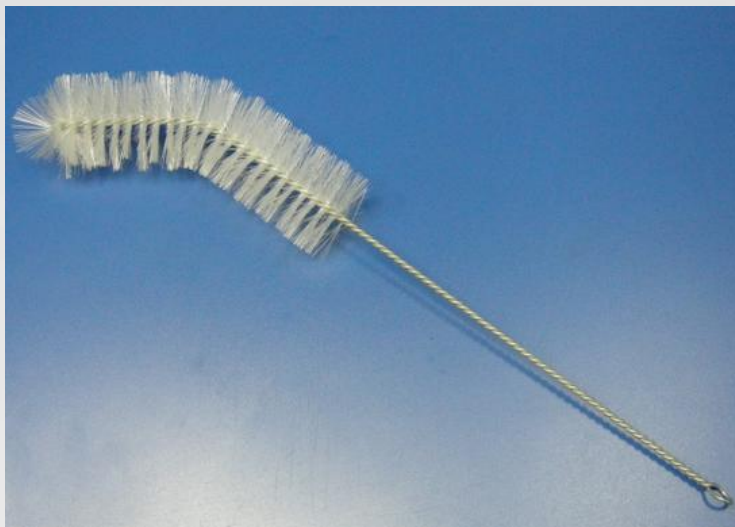
Shape: Cylindrical (External dia.): (7.5)cm. Porcelain., Glazed outside and inside, With upper whole dia. (2)cm, approx.

Test Tube Brush



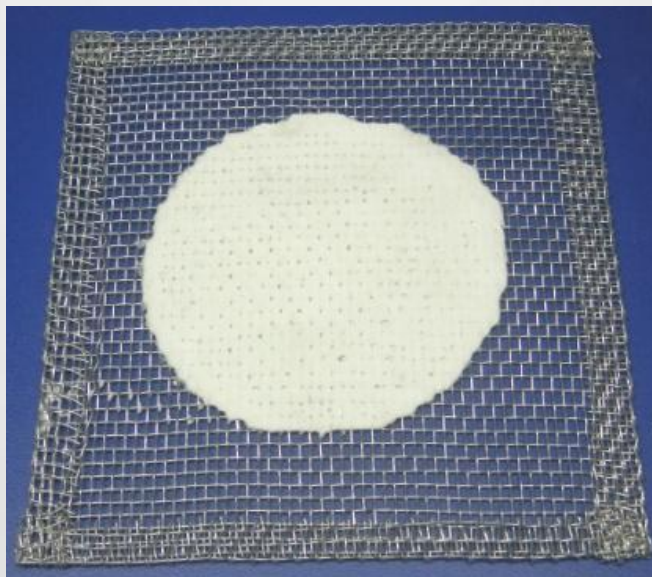
Set of: (2) Shape & material: Galvanized wire stem With bristle end & With fan-shaped end. Dia. of head: (11) ,(29)mm approx
Overall size: (200-230)mm approx Suitable for: Tubes dia.(10-12) , (16-25)

Flask Brush



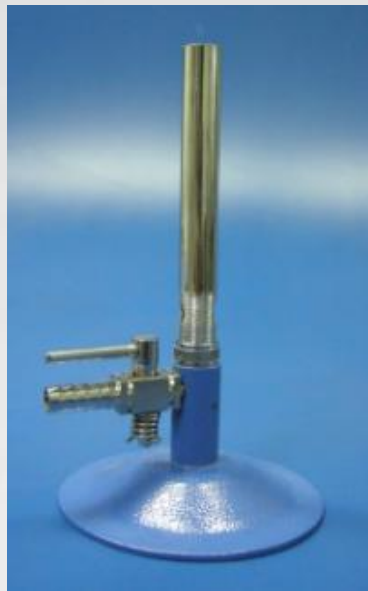
Shape & material: Galvanized wire stem, With nylon end., With fan-shaped end. Overall length: (480)mm approx. Suitable for: Round bottom flask

Iron Wire Gauge (Gauze)



Pack of: (10) Shape & material: Extra strong quality of wire Square shaped depressed circular ceramic center Length: Dimension (150x150) mm

Bunsen burner



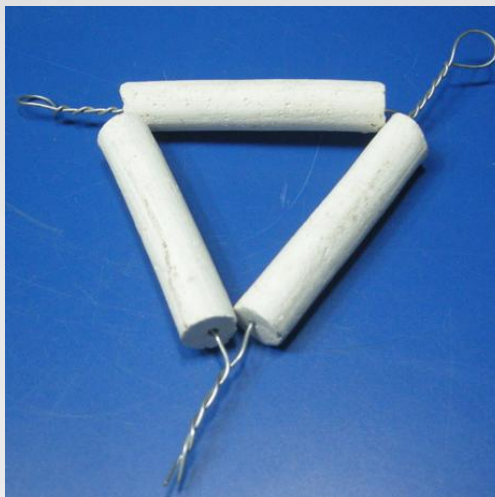
Material: Made of nickel-plated brass. Screw adjustable air regulator. With stopcock to control gas. Length and dia. Burner tube: (12-14)mm dia. Base: (75)mm dia. Connector: (10)mmo.d approx. Over all height: (150) mm approx. Additional accessories: (2) spare needle valve

Crucible tongs



Shape: Straight tongs with corrugated jaws. Material: Stainless steel Length: (200) mm approx.

Triangle



Pack of: (10) Material: Iron galvanized wire, Clay Pipe system, Thick Iron wire length of side (75) mm approx. Length: clay pipe length (35) mm approx.

Retort stand



Set of: (6) Material: Comprising rust less alloy. Consist of Rectangular base : (160x250)mm approx., With tapped hole, Finished in blue / black color., With rubber feet. Rod of stainless steel: length (600)mm, Dia. (12)mm approx. Rod of stainless steel: Length (1000)mm, Dia. (12)mm approx. Universal clamp: Two prong., Die casted with other parts brass, accepts articles from (15- 60) mm. dia. Actuated by nickel plated brass pummels and twin screw, The jaws are crock lined. Fitted with (15)cm., Long mild steel rod. Retort ring: Plated mild steel with 8mm. diameter stem. , 70mm (I.D of ring), 140 mm (length of stem). Boss head clamp holder for rods up to (14) mm dia.

Triangular stand



Length of inside: (125) mm approx. Legs height: (200) mm approx. Shape & material: Cast iron top with steel legs. Finished in black color.: With splayed legs

Stainless steel spatula



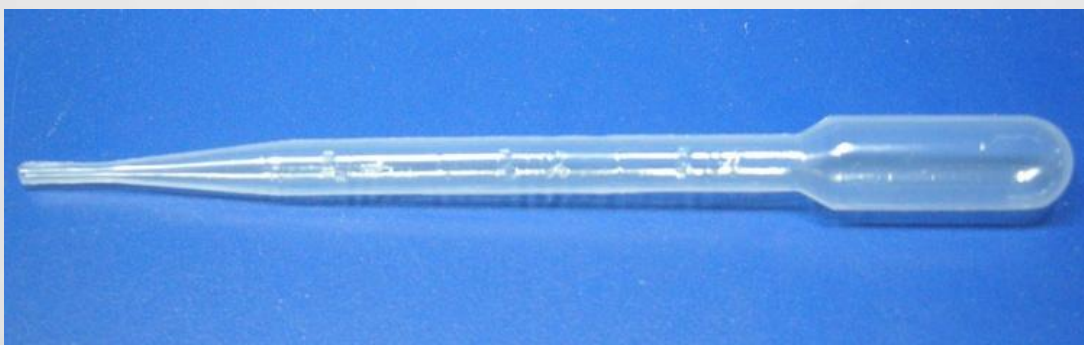
Set of: (3) Material & shape: Stainless steel One end flat and the other spoon form, polished. Length: (12.5),(15),(20) cm approx.

Pipette Filler (Pi-Pump)



Material: PTEF., Silicone rubber for moulded chuck. Resistant to: Acid., Alkalis. The moulded plastic chuck has silicon rubber collets inside to hold various pipettes of standard sizes. Capacities an available 25ml.

Disposable graduated pipettes



Pack of: (500) Material: Translucent plastic. Resistant to: Acids., Alkalis. Length: (15) cm Capacity : (3 × 0.5) ml.

Washing bottles 250ml




Material: Translucent., Unbreakable Polythene Supplied with: Cap

Washing bottles 500ml



Material: Translucent., Unbreakable Polythene Supplied with: Cap

Periodic Table Chart



PERIODIC TABLE

Groups: IA, IIA, IIIA, IVA, VA, VIA, VIIA, 0, IIB, IB, VII, VI, V, IV, III, II, I.

Periods: 1, 2, 3, 4, 5, 6, 7.

REFERENCE: Solid, Liquid, Gas, Metal, Non-metal, Metalloid.

INDEX: Ni.

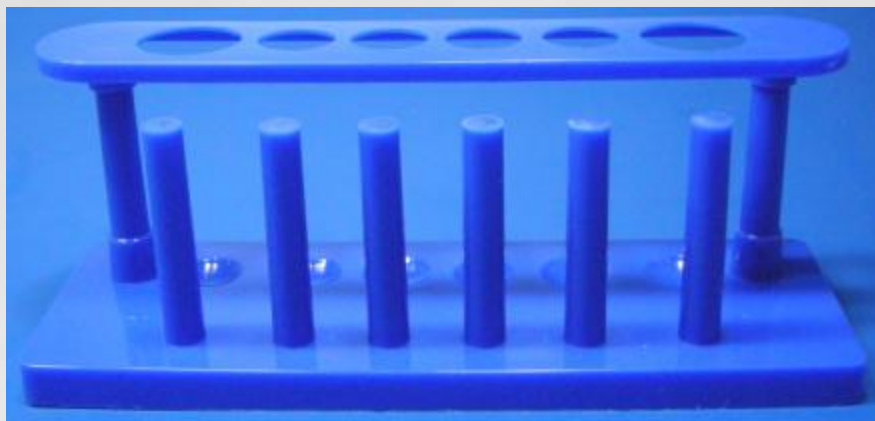
Printed on: Polyart plastic sheet., Colored., fitted with plastic roller Chart dimension : (100)× (78)cm Consist with: Atomic number. Atomic mass. Name. Symbol. Electron shell. Ionization potential. Density. Boiling point. Melting point. Showing (112) element picture in multicolor

Vertical Pipette stand



Material: High density Polypropylene. Hold (28) pipettes vertically., Base dia 22cm approx. rod length 35cm approx. Non-corrosive and unbreakable.

Test Tube Stand



Material: Polypropylene Resistant to: Strong acids. Alkalis. Continuous heat up to $(150)^{\circ}\text{C}$. Consist with : (2)holes for holding (25)mm dia. test tubes (4) Holes for holding (16) mm dia test tubes. (6) Vertical pin for drying tubes.

Atomic set Model



The atoms made of Hard plastic. In addition, Bond links made of flexible plastic tubes.

Filter Paper



Set of : 2 packet Pack of: Each packet 100 Dia: (11) cm and (18)cm Retention & flow rate: Medium Wet burst : Good quality paper.

Rubber Tubes OD=6mm



Material: High pressure, Extra soft quality of rubber, Flexible non-toxic – resistant to chemicals and tempt. Length of rolls: (10) m Bore. (wall thickness): (8)mm. (4.5)mm, (12.5)mm. (6.5)mm Color: Red or Black

Rubber Tubes OD=12.5mm



Material: Rubber tube out diam. 12 mm , Extra soft quality of rubber, Flexible non-toxic – resistant to chemicals and tempt. Length of rolls: (10) m Bore. (wall thickness): 12.5mm. (4.5)mm Color: Red or Black

Mohr Clip



Material: Nickel plated brass Shaped: Flexible fingers grips with strong flat jaws. Length: (50) mm approx.

Stoppers



High quality of cork solid

Test Tube Holder



Material: hard wood, with strong steel spring Length: (180) mm approx. Suitable for tubes dia. (11 - 18) mm approx

Fire Blanket



Material: Woven with glass fiber material, Wall mounting container plastic cabinet, With flame proof thread stitching through out Dimension: (100) × (100) cm approx

Disposable Gloves



Material : Latex, size S orM Size: (8) Inch approx. Pack of: (100).

Rubber Gloves



Pack of: 4 Pieces. Usage: General purpose, raised surface pattered for excellent wet grip. Resistant to Acid and alkali. Size: (12) inch approx.

Clear Safety Goggles



Completely cover eyes from all sides, unbreakable, lightweight, with adjustable elastic band. Can be used over normal spectacles

Disposable Mask



Pack of: (50) Pieces. Supplied with: Cool and comfortable with metal nose clip. Sterilized. Allows the masks to be molded to the contours of the wearers face., With elastic straps.