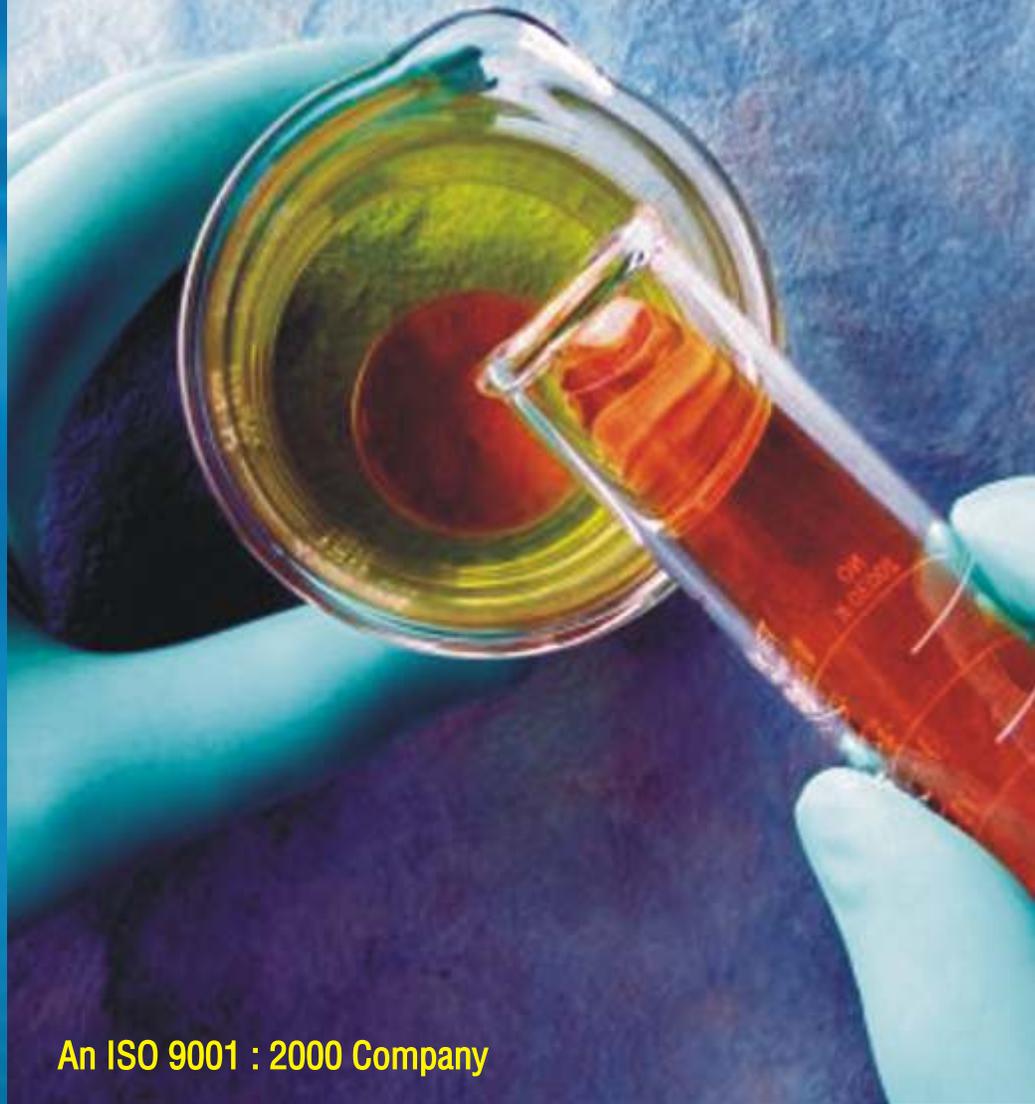


MEDILAB[®]
EXPORTS CONSORTIUM

PRODUCT
CATALOGUE



An ISO 9001 : 2000 Company



**SCIENTIFIC &
LABORATORY EQUIPMENT**

About us



MEDILAB EXPORTS CONSORTIUM is a 100% export oriented company, engaged in exports of wide range of Educational Laboratory Equipment, Glassware, Scientific Instruments and Microscopes etc. The company is promoted by an experienced and qualified Mechanical Engineer, who has been running his own well established two manufacturing units as well.

This Export Company is established to offer a wide range of Laboratory Equipment and other related products to our dealers worldwide. In addition to our own manufacturing units, we are associated with a number of manufacturers, who specialize in their respective products. Rather we are a Consortium of Manufacturers.

The advantage being our city Ambala, which is famous worldwide for producing Scientific Instruments,

Our experience of 20 years in this trade allow us to take up customized products as well. We are having a state of art facilities of Machining and Assembly in our manufacturing plants. The workshops are equipped with CNC Turning Centre, Automatic Lathes and other sophisticated machines and equipment.

One of the distinguishing feature of our Company is its ability to swiftly respond to customers' requirements in a flexible and personal way.

We value relationship with our associates.



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Our Vision

“To develop **MEDILAB** as a global brand in the field of Lab Equipment”.

Certificate of Registration



This is to certify that the
Quality Management System of

Medilab Exports Consortium

17, HSIDC Industrial Estate, Ambala Cantt. 133 006, Haryana, India

has been assessed and found compliant with the requirements of

ISO 9001:2000

Approval is hereby granted for registration providing the
certification rules and conditions are observed at all times.

Certification Scope:

Export of Laboratory Glassware and Equipment, Medical Instruments and Furniture

Certificate No. IPK-0568.06

Issue Date: 13 October 2006

Expiry Date: 04 May 2009

A handwritten signature in black ink, appearing to read 'Steve Chubb'.

Authorised Signature

Moody International Certification Ltd.

www.moodyint.com

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the Accreditation Certificate 014.
The certificate remains the property of Moody International Certification Limited to whom it must be returned on request.



014

BEAKER, low form, graduated with spout



Cat No.	Capacity ml
11001/1	25
11001/2	50
11001/3	100
11001/4	250
11001/5	400
11001/6	500
11001/7	600
11001/8	1000
11001/9	2000
11001/10	3000
11001/11	5000

FLASK ROUND BOTTOM, wide neck



Cat No.	Capacity ml
11006/1	50
11006/2	100
11006/3	250
11006/4	500
11006/5	1000
11006/6	2000

Also available in Amber color

BEAKER, tall form, graduated with spout



Cat No.	Capacity ml
11002/1	50
11002/2	100
11002/3	250
11002/4	500
11002/5	1000

FLASK FLAT BOTTOM, narrow neck



Cat No.	Capacity ml
11007/1	50
11007/2	100
11007/3	250
11007/4	500
11007/5	1000
11007/6	2000

Also available in Amber color

FLASK ERLLENMEYER, narrow neck



Cat No.	Capacity ml
11003/1	25
11003/2	50
11003/3	100
11003/4	250
11003/5	500
11003/6	1000
11003/7	2000
11003/8	5000

FLASK FLAT BOTTOM, wide neck



Cat No.	Capacity ml
11008/1	50
11008/2	100
11008/3	250
11008/4	500
11008/5	1000
11008/6	2000

Also available in Amber color

FLASK ERLLENMEYER, wide neck



Cat No.	Capacity ml
11004/1	25
11004/2	50
11004/3	100
11004/4	250
11004/5	500
11004/6	1000
11004/7	2000

FLASK KJELDAHL, long neck



Cat No.	Capacity ml
11009/1	50
11009/2	100
11009/3	300
11009/4	500
11009/5	800

FLASK ROUND BOTTOM narrow neck



Cat No.	Capacity ml
11005/1	50
11005/2	100
11005/3	250
11005/4	500
11005/5	1000
11005/6	2000

Also available in Amber color

FLASK DISTILLATION, with side tube



Cat No.	Capacity ml
11010/1	100
11010/2	250
11010/3	500

FLASK FILTERATION, Buchner


Cat No.	Capacity ml
11011/1	100
11011/2	250
11011/3	500
11011/4	1000
11011/5	2000

FLASK CONICAL, with screw cap & liner


Cat No.	Capacity ml
11012/1	50
11012/2	100
11012/3	150
11012/4	250
11012/5	500
11012/6	1000
11012/7	2000

FUNNEL FILTERING, with stem, 60° angle

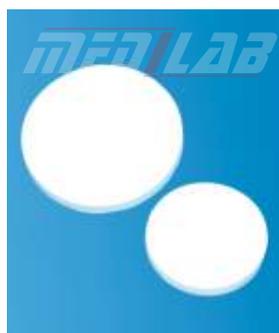

Cat No.	Diameter
11013/1	25
11013/2	50
11013/3	75
11013/4	100
11013/5	125
11013/6	150

FUNNEL POWDER, with B-24 cone


Cat No.	Dia	Cone Size
11014/1	50	14/23
11014/2	75	24/29
11014/3	100	29/32
11014/4	125	29/32

SINTERED CRUCIBLE, Gooch type, porosity G-0 or G-1 or G-2 or G-3 or G-4


Cat No.	Capacity ml
11015/1	15
11015/2	30
11015/3	50

SINTERED DISC, available in grade 1 or 2 or 3 or 4


Cat No.	Disc Dia (mm)
11015/11	10 to 32
11015/12	33 to 38
11015/13	39 to 50
11015/14	59 to 60
11015/15	61 to 75
11015/16	76 to 93
11015/17	94 to 120

Grade 0 & 5 also available on request

FUNNEL BUCHNER, with sintered disc, porosity G-0 or G-1 or G-2 or G-3 or G-4


Cat No.	Capacity	Dia.
11016/1	35	30
11016/2	80	40
11016/3	100	45
11016/4	200	65
11016/5	500	90
11016/6	1000	120

MEMBRANE FILTER HOLDER ASSEMBLY, standard joint fitting, membrane dia. 47mm, funnel 300ml


Cat No.	Flask (ml)
11017/1	1000
11017/2	2000

MEMBRANE FILTER HOLDER ASSEMBLY, silicon cork fitting, membrane dia. 47mm, funnel 300ml


Cat No.	Flask (ml)
11018/1	1000
11018/2	2000

MEMBRANE FILTER HOLDER ASSEMBLY, Stainless Steel, Membrane dia 47mm


Cat No.	Flask (ml)
11018/5	1000
11018/6	2000

DESSICATOR, with lid, plain



Cat No.	Dia. mm
11019/1	150
11019/2	210
11019/3	240
11019/4	300

DESSICATOR, vaccum



Cat No.	Dia. mm
11020/1	150
11020/2	210
11020/3	240
11020/4	300

CHROMATOGRAPHIC TANK/DEVELOPING CHAMBER with Lid



Cat No.	Size (mm)
11020/6	140x140x220
11020/7	170x130x210
11020/8	225x125x225
11020/9	250x150x250

PETRI DISHES



Cat No.	OD x Height
11021/1	50 x 17
11021/2	80 x 17
11021/3	100 x 17
11021/4	150 x 20

WEIGHING BOTTLES, with interchangeable stopper, tall form



Cat No.	Cap.	OD x Ht.
11022/1	5	20 x 40
11022/2	15	25 x 60
11022/3	25	30 x 65
11022/4	60	40 x 90

WEIGHING BOTTLES, with interchangeable stopper, squat form



Cat No.	Cap.	OD x Ht.
11023/1	20	40x30
11023/2	20	50x25
11023/3	35	50x35
11023/4	40	60x30
11023/5	50	50x50

SPECIFIC GRAVITY BOTTLE, with PTFE interchangeable stopper, class 'A'



Cat No.	Capacity (ml)
11024/1	25
11024/2	50
11024/3	100

SPECIFIC GRAVITY BOTTLE, with ground in thermometer 0-50°C



Cat No.	Capacity (ml)
11025/1	25
11025/2	50

REAGENT BOTTLE, narrow mouth with interchangeable glass stopper (solid /hollow stopper)



Cat No.	Capacity ml
11026/1	30
11026/2	60
11026/3	125
11026/4	250
11026/5	500
11026/6	1000

Also available in Amber color
Also available with Plastic stopper

REAGENT BOTTLE, wide mouth with interchangeable hollow glass stopper.



Cat No.	Capacity ml
11027/1	30
11027/2	60
11027/3	125
11027/4	250
11027/5	500
11027/6	1000

Also available in Amber color
Also available with Plastic stopper

REAGENT BOTTLE, narrow mouth, with screw cap & teflon liner



Cat No.	Capacity ml
11028/1	30
11028/2	60
11028/3	100
11028/4	250
11028/5	500
11028/6	1000

Also available in Amber color

GAS WASHING BOTTLE, Dreshle's type with interchangeable joint



Cat No.	Capacity ml
11032/1	125
11032/2	250
11032/3	500

REAGENT BOTTLE, wide mouth, with screw cap & teflon liner



Cat No.	Capacity ml
11029/1	30
11029/2	60
11029/3	100
11029/4	250
11029/5	500
11029/6	1000

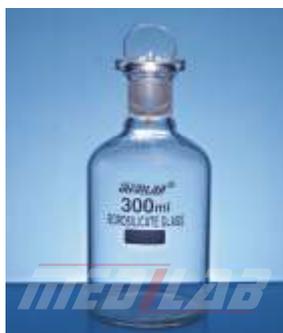
Also available in Amber color

REAGENT BOTTLE, wide mouth, with screw cap & pouring ring, DIN Thread GL 45



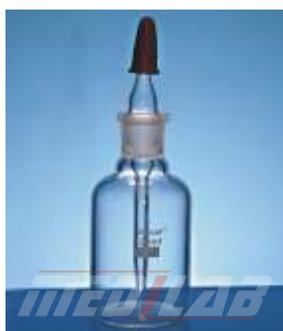
Cat No.	Capacity ml
11029/11	100
11029/12	250
11029/13	500
11029/14	1000
11029/15	2000
11029/16	5000

BOD BOTTLE, with interchangeable glass stopper



Cat No.	Capacity ml
11030/1	125
11030/2	300

DROPPING BOTTLE, with interchangeable dropper and rubber teat



Cat No.	Capacity ml
11031/1	30
11031/2	60
11031/3	125
11031/4	250

STOPCOCKS

PTFE KEY STOPCOCK, straight bore, interchangeable

Cat No.	Size	Bore mm
11033/1	12.5	2.5
11033/2	14.5	4.0
11033/3	18.8	6.0
11033/4	24.0	8.0



PTFE KEY STOPCOCK, 3 way T bore, interchangeable

Cat No.	Size	Bore mm
11034/1	14.5	2.5
11034/2	18.8	4.0



PTFE KEY STOPCOCK, for burette, interchangeable

Cat No.	Size	Bore
11035/1	12.5	1.5 mm
11035/2	14.5	2.5 mm



DETACHABLE PTFE STOPCOCK, for burette

Cat No.	Bore (mm)
11036/1	2.0



GLASS KEY STOPCOCK,
straight bore

Cat No.	Size	Bore mm
11037/1	12	2.0
11037/2	14	3.0
11037/3	19	4.0



GLASS KEY STOPCOCK,
for Burette

Cat No.	Size	Bore mm
11038/1	12	2.0
11038/2	14	3.0



ROTAFLOW STOPCOCK,
straight

Cat No.	Bore mm
11039/1	0-2
11039/2	4-6
11039/3	6-9



ROTAFLOW STOPCOCK,
for Burette

Cat No.	Bore mm
11040/1	2



ROTAFLOW STOPCOCK,
for Automatic Burette

Cat No.	Bore(mm)
11041/1	2



ROTAFLOW STOPCOCK, right angle



Cat No.	Bore (mm)
11042/1	0-2
11042/2	4-6
11042/3	6-9

HIGH PERFORMANCE ROTAFLOW STOPCOCK,
with double O-ring, right angle, Red cap



Cat No.	Bore (mm)
11043	2

THEIL'S MELTING POINT TUBE



Cat No.	Bore (mm)
11044/1	18 x 150
11044/2	25x150

MELTING POINT APPARATUS (Junge's)



Cat No.	11045
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INTERCHANGABLE GLASSWARE

STANDARD JOINTS, Cone, Single



Cat No.	Cone
11101/1	10/19
11101/2	12/21
11101/3	14/23
11101/4	19/26
11101/5	24/29
11101/6	29/32
11101/7	34/35
11101/8	40/38
11101/9	45/40
11101/10	50/42
11101/11	55/44

STANDARD JOINTS, Socket, Single



Cat No.	Socket
11102/1	10/19
11102/2	12/21
11102/3	14/23
11102/4	19/26
11102/5	24/29
11102/6	29/32
11102/7	34/35
11102/8	40/38
11102/9	45/40
11102/10	50/42
11102/11	55/44

STANDARD JOINTS, Cone, with tip, single



Cat No.	Cone
11103/1	10/19
11103/2	12/21
11103/3	14/23
11103/4	19/26
11103/5	24/29
11103/6	29/32
11103/7	34/35
11103/8	40/38
11103/9	45/40
11103/10	50/42
11103/11	55/44

SPHERICAL JOINT-Cup



Cat No.	Joint Size
11104/1	S13
11104/2	S19
11104/3	S29
11104/4	S35
11104/5	S41

SPHERICAL JOINT-Ball



Cat No.	Joint Size
11105/1	S13
11105/2	S19
11105/3	S29
11105/4	S35
11105/5	S41

JOINT CLIPS - Metal



Cat No.	Size
11106/1	S13
11106/2	S19
11106/3	S29
11106/4	S35
11106/5	S41

HOLLOW STOPPER, Hexagonal, flat bottom



Cat No.	Cone
11107/1	10/19
11107/2	12/21
11107/3	14/23
11107/4	19/26
11107/5	24/29
11107/6	29/32
11107/7	34/35

Tip shape bottom also available

SOLID GLASS STOPPER - flat head



Cat No.	Cone Size
11108/1	10/19
11108/2	14/23
11108/3	19/26
11108/4	24/29
11108/5	29/32
11108/6	34/35

SOLID GLASS STOPPER - for BOD bottle



Cat No.	Neck Size
11109/1	19/20

SOLID GLASS STOPPER - penny head



Cat No.	Cone Size
11110/1	10/19
11110/2	14/23
11110/3	19/26
11110/4	24/29
11110/5	29/32
11110/6	34/35

REDUCTION ADAPTERS



Cat No.	Socket Size	Cone Size
11111/1	14/23	19/26
11111/2	14/23	24/29
11111/3	14/23	29/32
11111/4	19/26	24/29
11111/5	19/26	29/32
11111/6	19/26	34/35
11111/7	19/26	40/38
11111/8	24/29	29/32
11111/9	24/29	34/35
11111/10	24/29	40/38
11111/11	24/29	45/40
11111/12	29/32	34/35
11111/13	29/32	40/38
11111/14	29/32	45/40
11111/15	34/35	40/38
11111/16	34/35	45/40
11111/17	34/35	50/42

Other joint sizes can also be provided

EXPANSION ADAPTERS



Cat No.	Socket Size	Cone Size
11112/1	19/26	14/23
11112/2	24/29	14/23
11112/3	24/29	19/26
11112/4	29/32	14/23
11112/5	29/32	19/26
11112/6	29/32	24/29
11112/7	34/35	19/26
11112/8	34/35	24/29
11112/9	34/35	29/32
11112/10	40/38	24/29

Other joint sizes can also be provided

MUTIPLE ADAPTERS - two necks, parallel



Cat No.	Socket Size	Cone Size
11113/1	14/23	14/23
11113/2	14/23	19/26
11113/3	19/26	19/26
11113/4	19/26	24/29
11113/5	24/29	24/29
11113/6	19/26	34/35
11113/7	29/32	29/32

Other joint sizes can also be provided

MULTIPLE ADAPTERS - two necks, one vertical and one at 45°



Cat No.	Socket Size	Cone Size
11114/1	19/26	19/26
11114/2	19/26	24/29
11114/3	19/26	34/35
11114/4	29/32	29/32

MULTIPLE ADAPTERS - three necks, two parallel and one at 45°



Cat No.	Socket Size	Cone Size
11115/1	19/26	19/26
11115/2	19/26	24/29
11115/3	19/26	34/35
11115/4	24/29	24/29
11115/5	29/32	29/32

SWAN NECK ADAPTERS



Cat No.	Socket Size	Cone Size
11116/1	14/23	19/26
11116/2	19/26	19/26
11116/3	19/26	24/29
11116/4	24/29	24/29
11116/5	29/32	29/32

DELIVERY ADAPTERS, long stem, length 200mm approx.



Cat No.	Socket Size
11117/1	14/23
11117/2	19/26
11117/3	24/29
11117/4	29/32

Short stem can also be provided

RECEIVER ADAPTERS, straight



Cat No.	Cone Size
11118/1	14/23
11118/2	19/26
11118/3	24/29
11118/4	29/32

RECEIVER ADAPTERS, bend with vent



Cat No.	Socket Size	Cone Size
11119/1	14/23	14/23
11119/2	19/26	19/26
11119/3	19/26	24/29
11119/4	24/29	24/29
11119/5	29/32	29/32
11119/6	24/29	24/29
11119/7	29/32	29/32

RECEIVER ADAPTERS, straight, with vacuum connection



Cat No.	Socket Size	Cone Size
11120/1	14/23	14/23
11120/2	14/23	19/26
11120/3	19/26	19/26
11120/4	19/26	24/29
11120/5	24/29	24/29
11120/6	24/29	29/32
11120/7	29/32	29/32

RECOVERY BEND, sloping.



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11125/1	24/29	14/23
11125/2	19/26	19/26
11125/3	24/29	19/26
11125/4	29/32	19/26
11125/5	24/29	24/29
11125/6	34/35	24/29
11125/7	34/35	34/35

RECEIVER ADAPTERS, bend with vacuum connection



Cat No.	Socket Size	Cone Size
11121/1	14/23	14/23
11121/2	14/23	19/26
11121/3	19/26	19/26
11121/4	19/26	24/29
11121/5	24/29	24/29
11121/6	24/29	29/32
11121/7	29/32	29/32

RECEIVER BEND, vertical

Cat No.	Cone size to fit flask	Cone Size to fit condenser
11126/1	14/23	14/23
11126/2	19/26	19/26
11126/3	24/29	24/29
11126/4	29/32	29/32



RECEIVER ADAPTERS, inclined at an angle 105°.



Cat No.	Socket Size	Cone Size
11122/1	14/23	14/23
11122/2	19/26	19/26
11122/3	19/26	24/29
11122/4	24/29	24/29
11122/5	29/32	29/32

STILL HEAD, plain with thermometer socket (socket size 14/23)



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11127/1	14/23	14/23
11127/2	19/26	19/26
11127/3	24/29	19/26
11127/4	29/32	19/26
11127/5	34/35	19/26
11127/6	24/29	24/29
11127/7	34/35	24/29
11127/8	34/35	29/32

RECEIVER ADAPTERS, multiple



Cat No.	Socket Size	Cone Size
11123/1	14/23	14/23
11123/2	14/23	19/26
11123/3	19/26	19/26

CLAISEN HEADS, sloping with 2xB14 socket (socket size 14/23)



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11128/1	14/23	19/26
11128/2	19/26	19/26
11128/3	24/29	19/26
11128/4	34/35	24/29

RECEIVER ADAPTERS - plain bend



Cat No.	Socket Size	Cone Size
11124/1	19/26	19/26
11124/2	19/26	24/29
11124/3	24/29	24/29
11124/4	29/32	29/32

SPLASH HEADS, pear shape vertical



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11129/1	14/23	14/23
11129/2	19/26	19/26
11129/3	24/29	19/26
11129/4	24/29	24/29
11129/5	29/32	29/32

SPLASH HEADS, vertical



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11130/1	14/23	14/23
11130/2	19/26	24/29
11130/3	29/32	29/32

SPLASH HEADS, pear shape sloping



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11131/1	14/23	14/23
11131/2	19/26	19/26
11131/3	24/29	19/26
11131/4	24/29	24/29
11131/5	29/32	29/32

STEAM DISTILLATION HEADS, Sloping



Cat No.	Cone size to fit flask	Cone Size to fit condenser
11132/1	24/29	19/26
11132/2	34/35	19/26
11132/3	34/35	24/29

ADAPTER CONE TO RUBBER TUBING, right angle connection, with glass stopcock



Cat No.	Cone Size
11133/1	14/23
11133/2	19/26
11133/3	24/29
11133/4	29/32

Can also be offered with PTFE key stopcock

ADAPTER CONE TO RUBBER TUBING, right angle connection



Cat No.	Cone Size
11134/1	14/23
11134/2	19/26
11134/3	24/29
11134/4	29/32

ADAPTER CONE WITH STEM TO RUBBER TUBING, right angle connection



Cat No.	Cone Size
11135/1	14/23
11135/2	19/26
11135/3	24/29
11135/4	29/32

ADAPTER SOCKET TO RUBBER TUBING, straight connection



Cat No.	Socket Size
11136/1	14/23
11136/2	19/26
11136/3	24/29
11136/4	29/32

ADAPTER SOCKET TO CONE, with tee connection



Cat No.	Socket Size	Cone Size
11137/1	14/23	19/26
11137/2	14/23	24/29
11137/3	19/26	19/26
11137/4	19/26	24/29
11137/5	24/29	24/29
11137/6	24/29	29/32
11137/7	29/32	29/32

U TUBE, with two sockets



Cat No.	Socket Size
11138/1	14/23
11138/2	19/26

DRYING TUBE



Cat No.	Cone Size
11139/1	14/23
11139/2	19/26
11139/3	24/29
11139/4	29/32

THERMOMETER POCKET, with stem length 45mm approx.



Cat No.	Cone Size
11140/1	14/23
11140/2	19/26

AIR LEAK TUBE



Cat No.	Socket Size
11141/1	14/23
11141/2	19/26
11141/3	24/29
11141/4	29/32

SIMPLE GLANDS, with cap, to fit dia 6mm shaft



Cat No.	Cone size
11142/1	14/23
11142/2	19/26
11142/3	24/29
11142/4	29/32

JOINTED FLASKS

FLASK, round bottom / flat bottom, single neck



Cat No.	Capacity ml	Socket size
11143/1	50	14/23
11143/2	50	19/26
11143/3	50	24/29
11143/4	100	14/23
11143/5	100	19/26
11143/6	100	24/29
11143/7	250	24/29
11143/8	250	29/32
11143/9	250	34/35
11143/10	500	24/29
11143/11	500	29/32
11143/12	500	34/35
11143/13	1000	24/29
11143/14	1000	29/32
11143/15	1000	34/35
11143/16	2000	29/32
11143/17	2000	34/35

Other socket sizes can also be provided

FLASK, round bottom, two neck, angled



Cat No.	Capacity ml	Socket size
11144/1	100	24/29
11144/2	100	24/29
11144/3	250	24/29
11144/4	250	24/29
11144/5	500	24/29
11144/6	500	24/29
11144/7	1000	24/29
11144/8	1000	24/29
11144/9	2000	34/35

Other socket sizes can also be provided

FLASK, round bottom, three neck, angled



Cat No.	Capacity ml	Socket size
11145/1	100	24/29
11145/2	250	19/26
11145/3	250	24/29
11145/4	500	24/29
11145/5	500	29/32
11145/6	1000	24/29
11145/7	1000	29/32
11145/8	2000	34/35

Other socket sizes can also be provided

FLASK, round bottom, three neck, parallel



Cat No.	Capacity ml	Socket size
11146/1	250	24/29
11146/2	250	29/32
11146/3	500	24/29
11146/4	500	29/32
11146/5	1000	29/32
11146/6	1000	29/32
11146/7	2000	34/35

Other socket sizes can also be provided

FLASK, pear shape, single neck



Cat No.	Capacity ml	Socket size
11147/1	25	14/23
11147/2	50	14/23
11147/3	100	14/23

FLASK, pear shape, two neck



Cat No.	Capacity ml	Socket size
11148/1	50	14/23
11148/2	100	14/23

FLASK EVAPORATING



Cat No.	Capacity ml	Socket size
11149/1	100	24/29
11149/2	250	29/32
11149/3	500	29/32
11149/4	1000	29/32

FLASK, KJELDHAL, with socket



Cat No.	Capacity ml	Socket size
11150/1	300	24/29
11150/2	500	24/29
11150/3	800	24/29

FLASK, Erlenmeyer, with socket



Cat No.	Capacity ml	Socket size
11151/1	50	19/26
11151/2	100	19/26
11151/3	100	29/32
11151/4	250	24/29
11151/5	250	29/32
11151/6	500	24/29
11151/7	500	29/32
11151/8	500	34/35
11151/9	1000	29/32
11151/10	1000	34/35
11151/11	2000	29/32
11151/12	2000	34/35

Other socket sizes can also be provided

FLASK, IODINE



Cat No.	Capacity ml	Socket size
11152/1	250	24/29
11152/2	500	24/29

TUBES

TUBES CULTURE MEDIA, with screw cap and liner, round bottom



Cat No.	Capacity ml	OD X Length
11200/1	5	16 x 75
11200/2	10	16 x 125
11200/3	15	16 x 150
11200/4	25	18 x 150
11200/5	30	25 x 100
11200/6	60	25 x 200

TUBES CULTURE MEDIA, with screw cap and liner, flat bottom



Cat No.	Capacity ml	OD X Length
11201/1	5	16 x 50
11201/2	10	18 x 45
11201/3	15	25 x 57
11201/4	30	25 x 57
11201/5	45	25 x 145
11201/6	60	25 x 200

CENTRIFUGE TUBE, conical bottom, graduated



Cat No.	Capacity ml	Hight x OD
11202/1	5	100 X 13
11202/2	10	110 X 15
11202/3	15	120 X 17
11202/4	25	125 X 22
11202/5	50	125 X 28

It can also be offered without graduation

CENTRIFUGE TUBE, round bottom, graduated



Cat No.	Capacity ml	Hight x OD
11203/1	12	16x110
11203/2	30	24x110
11203/3	40	28x110
11203/4	50	30x110
11203/5	100	45x110
11203/6	200	55x116

TEST TUBE, stoppered with interchangeable stopper, graduated.



Cat No.	Capacity ml	Hight x OD
11204/1	5	100 X 12
11204/2	10	125 X 16
11204/3	25	150 X 22
11204/4	50	200 X 25

It can also be offered without graduation

TEST TUBES, round or flat bottom, rimmed or rimless, plain (Borosilcate Glass 3.3, autoclavable)



Cat No.	Capacity ml	ODxLength	Wall thickness
11205/1	3	10 x 75	1.0
11205/2	5	12 x 75	1.0
11205/3	8	12 x 100	1.0
11205/4	10	15 x 125	1.2
11205/5	25	18 x 150	1.2
11205/6	50	25 x 150	1.2
11205/7	75	25 x 200	1.2

It can also be offered with graduation

TEST TUBE, neutral hard glass.



Cat No.	ODxLength	Wall thickness
11206/1	10 x 75	0.9
11206/2	12 x 75	1.0
11206/3	12 x 100	1.0
11206/4	15 x 125	1.0
11206/5	18 x 150	1.0
11206/6	25 x 150	1.0

VOLUMETRIC GLASSWARE

Volumetric Glassware Items of Class 'A' are offered with calibration Certificate. However individual work certificate can be provided at extra cost.

BURETTE RODS, without stopcock



Cat No.	Cap ml.	Sub Div. ml
11251	10	0.05
11251	25	0.10
11251	50	0.10
11251	100	0.20

BURETTE with straight bore glass key stopcock, class 'AS' DIN 12700



Cat No.	Cap ml.	Sub Div. ml
11252/1	10	0.05
11252/2	25	0.10
11252/3	50	0.10
11252/4	100	0.20
Class 'B'		
Cat No.	Cap ml.	Sub Div. ml
11252/5	10	0.05
11252/6	25	0.10
11252/7	50	0.10
11252/8	100	0.20

BURETTE with screw type rotaflow stopcock, class 'AS' DIN 12700



Cat No.	Cap ml.	Sub Div. ml
11253/1	10	0.05
11253/2	25	0.10
11253/3	50	0.10
11253/4	100	0.20
Class 'B'		
Cat No.	Cap ml.	Sub Div. ml
11253/5	10	0.05
11253/6	25	0.10
11253/7	50	0.10
11253/8	100	0.20

BURETTE with straight bore PTFE key stopcock, class 'AS' DIN 12700



Cat No.	Cap ml.	Sub Div. ml
11254/1	10	0.05
11254/2	25	0.10
11254/3	50	0.10
11254/4	100	0.20
Class 'B'		
Cat No.	Cap ml.	Sub Div. ml
11254/5	10	0.05
11254/6	25	0.10
11254/7	50	0.10
11254/8	100	0.20

BURETTE with straight bore PTFE key stopcock, 'Shellbach' class 'AS' DIN 12700



Cat No.	Cap ml.	Sub Div. ml
11255/1	10	0.05
11255/2	25	0.10
11255/3	50	0.10
11255/4	100	0.20
Class 'B'		
Cat No.	Cap ml.	Sub Div. ml
11255/5	10	0.05
11255/6	25	0.10
11255/7	50	0.10
11255/8	100	0.20

BURETTE AUTOMATIC ZERO, mounted on reservoir with straight bore PTFE key stopcock & rubber bellow. Class 'AS', DIN 12700



Cat No.	Cap ml.	Sub Div. ml
11256/1	10	0.05
11256/2	25	0.10
11256/3	50	0.10
11256/4	100	0.20
Class 'B'		
Cat No.	Cap ml.	Sub Div. ml
11256/5	10	0.05
11256/6	25	0.10
11256/7	50	0.10
11256/8	100	0.20

PIPETTE volumetric, with one mark, Color coded, Class 'AS', DIN 12691



Cat No.	Class 'A' Cap ml.	Cat No.	Class 'B' Cap ml.
11257/1	1	11257/9	1
11257/2	2	11257/10	2
11257/3	5	11257/11	5
11257/4	10	11257/12	10
11257/5	20	11257/13	20
11257/6	25	11257/14	25
11257/7	50	11257/15	50
11257/8	100	11257/16	100

PIPETTES graduated, for partial outflow, Mohr type, Color coded, class 'AS', DIN 12697



Cat No.	Class 'A' Cap ml.	Cat No.	Class 'B' Cap ml.
11258/1	0.1	11258/9	0.1
11258/2	0.2	11258/10	0.2
11258/3	0.5	11258/11	0.5
11258/4	1.0	11258/12	1.0
11258/5	2.0	11258/13	2.0
11258/6	5.0	11258/14	5.0
11258/7	10.0	11258/15	10.0
11258/8	25.0	11258/16	25.0

PIPETTES graduated, for complete delivery, Serological type, Color coded, class 'A', DIN 12696

Cat No.	Class 'A' Cap ml.	Cat No.	Class 'B' Cap ml.
11259/1	0.1	11259/9	0.1
11259/2	0.2	11259/10	0.2
11259/3	0.5	11259/11	0.5
11259/4	1.0	11259/12	1.0
11259/5	2.0	11259/13	2.0
11259/6	5.0	11259/14	5.0
11259/7	10.0	11259/15	10.0
11259/8	25.0	11259/16	25.0

VOLUMETRIC FLASK with Polyethylene stopper, class 'A', DIN 12664



Cat No.	Class 'A'	Cap ml.	Cat No.	Class 'B'	Cap ml.
11260/1	10		11260/10	10	
11260/2	25		11260/11	25	
11260/3	50		11260/12	50	
11260/4	100		11260/13	100	
11260/5	200		11260/14	200	
11260/6	250		11260/15	250	
11260/7	500		11260/16	500	
11260/8	1000		11260/17	1000	
11260/9	2000		11260/18	2000	

Nessler Cylinder Class 'A'



Cat No.	Cap ml.
11265/1	50
11265/2	100

Class 'B'	
Cat No.	Cap ml.
11265/3	50
11265/4	100

MEASURING CYLINDER with plastic base and protection ring, Class 'B'



Cat No.	Cap ml.
11261/1	10
11261/2	25
11261/3	50
11261/4	100
11261/5	250

NOTE: Volumetric Glassware items of Class 'A' are offered without Calibration Certificate.

AMBER COLOR GLASSWARE

Glassware items listed above can be offered in Amber color as well. Some of the pictures of Amber color glassware are shown below.

MEASURING CYLINDER with spout & round base, Class 'A' DIN 12680



Cat No.	Class 'A'	Cap ml.	Cat No.	Class 'B'	Cap ml.
11262/1	10		11262/10	10	
11262/2	25		11262/11	25	
11262/3	50		11262/12	50	
11262/4	100		11262/13	100	
11262/5	200		11262/14	200	
11262/6	250		11262/15	250	
11262/7	500		11262/16	500	
11262/8	1000		11262/17	1000	
11262/9	2000		11262/18	2000	

MEASURING CYLINDER round base, with interchangeable, Polyethylene stopper, Class 'A' DIN 12680



Cat No.	Class 'A'	Cap ml.	Cat No.	Class 'B'	Cap ml.
11263/1	10		11263/10	10	
11263/2	25		11263/11	25	
11263/3	50		11263/12	50	
11263/4	100		11263/13	100	
11263/5	200		11263/14	200	
11263/6	250		11263/15	250	
11263/7	500		11263/16	500	
11263/8	1000		11263/17	1000	
11263/9	2000		11263/18	2000	

MEASURING CYLINDER with spout & hexagonal base, class 'A' DIN 12680



Cat No.	Class 'A'	Cap ml.	Cat No.	Class 'B'	Cap ml.
11264/1	10		11264/10	10	
11264/2	25		11264/11	25	
11264/3	50		11264/12	50	
11264/4	100		11264/13	100	
11264/5	200		11264/14	200	
11264/6	250		11264/15	250	
11264/7	500		11264/16	500	
11264/8	1000		11264/17	1000	
11264/9	2000		11264/18	2000	



SEPARATING FUNNELS

SEPARATING FUNNEL with glass stopcock & Polyethylene stopper, Conical/Squibb shape.



Cat No.	Capacity ml
11300/1	50
11300/2	100
11300/3	250
11300/4	500
11300/5	1000
11300/6	2000

Graduated separating funnel can also be offered.

SEPARATING FUNNEL with screw type Rotaflow stopcock & Polyethylene/hollow glass stopper, Conical/Squibb shape.



Cat No.	Capacity ml
11301/1	50
11301/2	100
11301/3	250
11301/4	500
11301/5	1000
11301/6	2000

Graduated separating funnel can also be offered.

SEPARATING FUNNEL with PTFE key stopcock & Polyethylene stopper, Conical/Squibb shape.



Cat No.	Capacity ml
11302/1	50
11302/2	100
11302/3	250
11302/4	500
11302/5	1000
11302/6	2000

Graduated separating funnel can also be offered.

SEPARATING FUNNEL with glass stopcock & Polyethylene stopper, Globe/Pear shape.



Cat No.	Capacity ml
11303/1	50
11303/2	100
11303/3	250
11303/4	500
11303/5	1000
11303/6	2000

SEPARATING FUNNEL with screw type Rotaflow stopcock & Polyethylene stopper, Globe/Pear shape.



Cat No.	Capacity ml
11304/1	50
11304/2	100
11304/3	250
11304/4	500
11304/5	1000
11304/6	2000

SEPARATING FUNNEL with PTFE key stopcock & Polyethylene stopper, Globe/Pear shape.



Cat No.	Capacity ml
11305/1	50
11305/2	100
11305/3	250
11305/4	500
11305/5	1000
11305/6	2000

DROPPING FUNNEL, Cylindrical, with Polyethylene stopper & glass stopcock



Cat No.	Capacity ml
11306/1	50
11306/2	100
11306/3	250
11306/4	500
11306/5	1000

Graduated Dropping funnel can also be offered.

DROPPING FUNNEL, Cylindrical, with Rotaflow stopcock & Polyethylene stopper



Cat No.	Capacity ml
11307/1	50
11307/2	100
11307/3	250
11307/4	500
11307/5	1000

Graduated Dropping funnel can also be offered.

DROPPING FUNNEL, Cylindrical with PTFE key stopcock & Polyethylene stopper



Cat No.	Capacity ml
11308/1	50
11308/2	100
11308/3	250
11308/4	500
11308/5	1000

Graduated Dropping funnel can also be offered.

CONDENSERS AND ASSEMBLIES

AIR CONDENSER



Cat No.	Effective Length	Socket size	Cone size
11350/1	200	19/26	19/26
11350/2	400	19/26	19/26
11350/3	500	34/35	34/35
11350/4	750	-	24/29
11350/5	1000	-	24/29

Other joint sizes can also be offered

LIEBIG CONDENSER, with joints



Cat No.	Effective Length	Socket size	Cone size
11351/1	200	19/26	19/26
11351/2	300	19/26	19/26
11351/3	400	24/29	24/29
11351/4	500	29/32	29/32
11351/5	600	29/32	29/32

Other joint sizes can also be offered

COIL CONDENSER, Graham



Cat No.	Effective Length	Socket size	Cone size
11352/1	200	24/29	24/29
11352/2	300	19/26	19/26
11352/3	400	24/29	24/29
11352/4	500	29/32	29/32
11352/5	600	34/35	34/35

Other joint sizes can also be offered

SOXHLET EXRTACTION APPARATUS, with Allihn condenser



Cat No.	Effective Length	Socket size	Cone size
11354/1	100	40/38	24/29
11354/2	200	50/42	24/29
11354/3	400	50/42	24/29
11354/4	600	50/42	24/29
11354/5	1000	60/46	34/35

Other joint sizes can also be offered

EXTRACTOR, spare

Cat No.	Capacity	Socket	Cone
11355/1	100ml	40/38	24/29
11355/2	200ml	50/42	24/29
11355/3	400ml	50/42	24/29
11355/4	600ml	50/42	24/29
11355/5	1000ml	60/46	34/35

ALLIHN / BULB CONDENSER



Cat No.	Effective Length	Socket size	Cone size
11353/1	200	19/26	19/29
11353/2	300	24/29	24/29
11353/3	400	29/32	29/32
11353/4	500	24/29	24/29
11353/5	600	34/35	34/35

Other joint sizes can also be offered

ALLIHN / BULB CONDENSER, spare for Soxhlet apparatus



Cat No.	Extractor cap	Cone
11356/1	100 ml	40/38
11356/2	200 ml	50/42
11356/3	400 ml	50/42
11356/4	600 ml	50/42
11356/5	1000 ml	60/46

SOXHLET EXRTACTION APPARATUS, with Dimroth condenser



Cat No.	Extractor Cap ml.	Extractor Socket	Extractor Cone
11357/1	150	45/40	29/32
11357/2	250	45/40	29/32
11357/3	500	60/46	29/32

DIMROTH CONDENSER, spare for Soxhlet apparatus

Cat No.	Extractor cap ml.	Extractor cone
11358/1	150	29/32
11358/2	250	29/32
11358/3	500	29/32

DISTILLATION ASSEMBLIES

DISTILLATION ASSEMBLY, consisting of round bottom flask, recovery bend, liebig condenser and receiver adapter

Cat. No.	Flask Capacity ml.	Condenser Effective length mm
11359/1	500	300
11359/2	1000	350
11359/3	2000	400



DISTILLATION APPARATUS



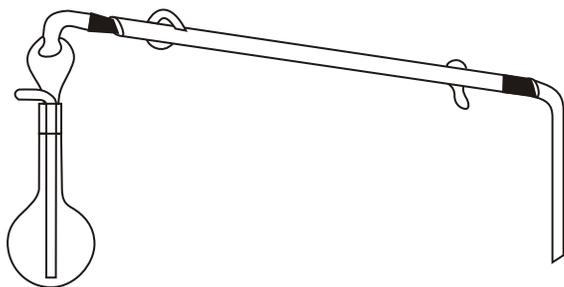
consisting of 500ml flask, grahm condenser 200mm and stopper.

Cat. No. 11360/1

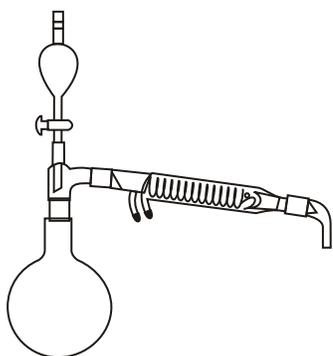
STEAM DISTILLATION ASSEMBLY

consists of flask R.B. 500ml, steam distillation head, leibig condenser 350mm and receiver adapter

Cat. No. 11361



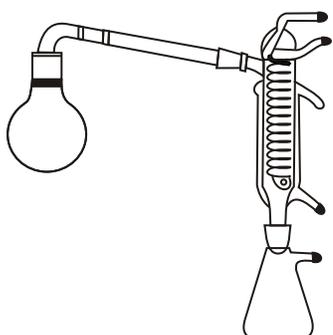
RECOVERY ASSEMBLY



consisting of flask R.B. 2000ml, still head, jacketed coil condenser 150mm, receiver adapter and dropping funnel 100ml with stopper

Cat. No. 11362

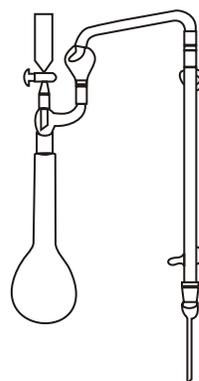
SOLVENT RECOVERY ASSEMBLY



consisting of R.B. flask 500ml, recovery bend sloping, air condenser 200mm, ether condenser and buchner flask 250ml.

Cat. No. 11363

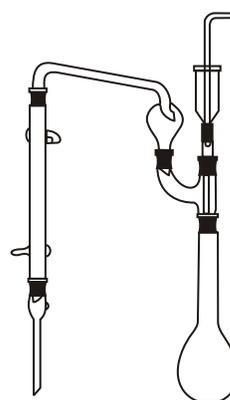
KJELDHAL DISTILLATION ASSEMBLY



consisting of R.B. kjeldhal flask 500ml, multiple adapter two necks, splash head vertical, leibig condenser, receiver adapter and dropping funnel 100ml

Cat. No. 11364

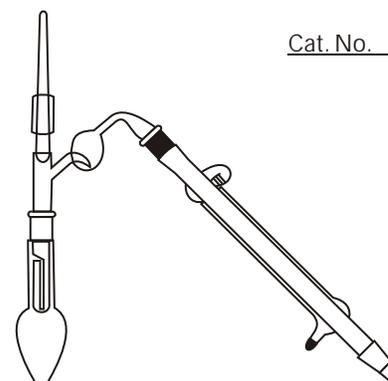
MACRO KJELDHAL DISTILLATION ASSEMBLY



consisting of kjeldhal flask 500ml, multiple adapter, splash head vertical, dropping funnel with-plug, leibig condenser and delivery adapter

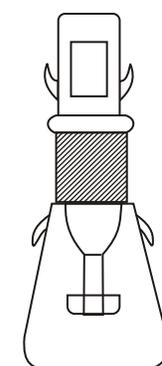
Cat. No. 11365

MICRO ACETYL GROUP DETERMINATION APPARATUS (Wiesen Berger)



Cat. No. 11366

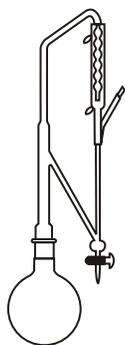
CAVETT BLOOD TEST APPARATUS



Cat. No. 11367

ESSENTIAL OIL DETERMINATION APPARATUS

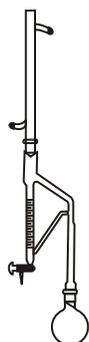
ESSENTIAL OIL DETERMINATION APPARATUS, Clevenger Type



vertical tube combined with condenser and measuring tube with stopcock. A return tube for the aqueous part of the distillate connects the bottom of the measuring tube and the vertical tube.

Cat. No.	Capacity
11368/1	1000ml
11368/2	2000ml
11368/3	3000ml
11368/4	5000ml
11368/5	10000ml

CLEVENGER APPARATUS

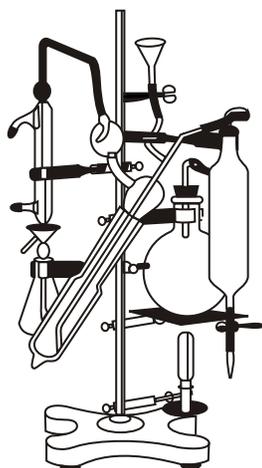


for determination of volatile oil lighter than water. Comprising of 1000ml flask, oil separatory tube and condenser.

Cat. No.	11369
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NITROGEN DETERMINATION APPARATUS

MICRO KJELDHAL NITROGEN DISTILLATION APPARATUS (Pregal's)



comprising of steam generation flask steam trap, vacuum jacketed flask with funnel, condenser tube of silver and receiving flask, complete with stand, clamp etc.

Cat. No.	11370
11370/1	with 1000ml steam generating flask
11370/2	with 2000ml steam generating flask
11370/3	with glass tube condenser and 1000ml steam generating flask
11370/4	with glass tube condenser and 2000ml steam generating flask

CHROMATOGRAPHY APPARATUS SEMI MICRO



consisting of funnel reservoir 50ml Capacity with B-14 cone and socket, column tube with stopcock 12mm dia, 10cm effective length with B-14 socket, B-19 cone and fused sintered disc. Filtration flask 100ml with B-19 socket and tamping rod 40cm long.

Cat. No.	11371
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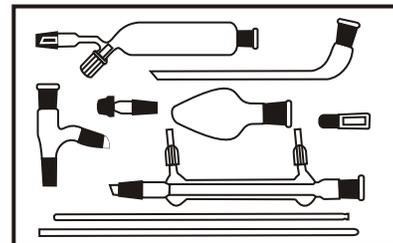
ORGANIC CHEMISTRY SET

SET 27 BU/M ORGANIC CHEMISTRY KIT

This set contains 9 glassware components with 14/23 joint size. Packed in die cut foam lined box.

Consists of:

- 1 Flask, pear shaped, 50 ml.
- 1 Still head
- 1 Liebig condenser
- 1 Screwcap adapter
- 1 Receiver adapter
- 1 Air leak / steam inlet
- 1 Dropping funnel 50 ml. with GP rotatflow tap
- 1 Stopper
- 1 Thermometer



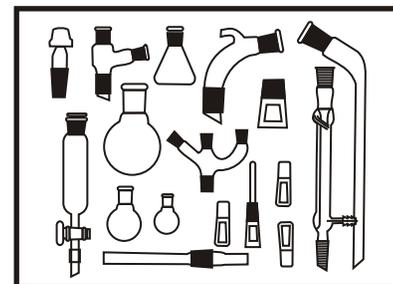
Cat. No.	11381
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SET 34 BU ORGANIC CHEMISTRY KIT

This set contains 16 glassware components housed in diecut foam lined box. Joint sizes are 19/26 unless specified.

Consists of:

- 1 Still head, socket size 14/23
- 1 Receiver adapter, cone size 24/29
- 1 Air leak / steam inlet
- 1 Liebig condenser
- 1 Dropping funnel, 100 ml.
- 1 Reduction adapter, cone size 24/29
- 1 Multiple adapter, cone size 24/29
- 1 Flask, round bottom, 50 ml, socket size 24/29
- 1 Flask, erlenmeyer, 250 ml, socket size 24/29
- 1 Flask, round bottom, 250 ml, socket size 24/29
- 2 Stopper
- 1 Thermometer packet, cone size 14/23
- 1 Receiver adapter
- 1 Flask, round bottom, 100 ml, socket size 24/29
- 1 Stoppers, cone size 24/29

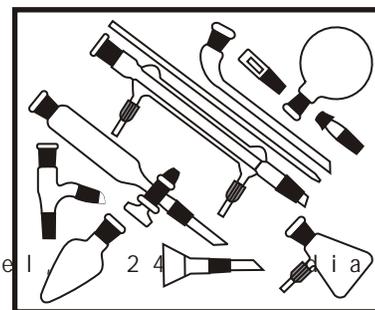


SET 46 BU ORGANIC CHEMISTRY KIT

This set contains 11 glassware components of 19/26 ground joint. Housed in die cut foam lined box.

Consists of :

- 1 Dropping funnel, 100 ml.
- 1 Air leak / steam inlet tube
- 1 Liebig condenser
- 1 Receiver adapter
- 1 Stopper
- 1 Flask, round bottom, 250 ml.
- 1 Cone / screwcap adapter
- 1 Still head
- 1 Flask, pear shaped 100 ml.
- 1 Filter funnel
- 1 Filter funnel perforated plate
- 1 Flask, buchner, 100 ml.



Cat. No.	11383
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Enquiries for the items not listed in this catalogue are welcome.

EQUIPMENT

ROTARY VACUUM FILM EVAPORATOR, 'UNIVERSAL DIAGONAL'



a complete working unit consists of single face non sparking geared drive unit 220V, support stand fitted with jack arrangement on stainless steel rod for positioning glass assembly, a variable speed regulator, thermostatically controlled stainless steel water bath fitted on a special rack & pinion jack system. Double coiled glass condenser with 3 opening for vacuum and cooling. Clear shaped evaporating glass capacity 800ml., receiver flask capacity 1 ltr. with a ball joint, feeding tube with Teflon pipe extension and vapour path tube.

Cat. No. _____ 11400

ROTARY VACUUM FILM EVAPORATOR, 'DIGITAL DIAGONAL'



with specially designed quick action jack, provided with a lock. The jack is fitted on the base. Non sparking geared unit is provided with speed control unit. In used the material being distilled comes into contact with glass or PTFE only, to avoid contamination or corrosion. A feed tube permits continuous material addition to the rotation flask. 316 grade stainless steel bath is provided with a micro processor based PID controller. Water bath is fitted with specially designed constant level assembly, which enable the water addition at the time of operation.

Cat. No. _____ 11401

ROTARY VACUUM FILM EVAPORATOR, 'DIGITAL VERTICAL'



the mechanism is similar to the above (Digital Diagonal) but provided with a vertical type condenser. This enables long cooling surface, which provides efficient short time, condensation of solute and also requires less bench space.

Cat. No. _____ 11402

ROTARY VACUUM FILM EVAPORATOR, 'DIGITAL COLD TRAP'



this model is similar to the above (Digital Vertical) but provided with cold trap type condenser, which incorporate cooling with solid bodies such as dry ice etc. This arrangement is very useful for freeze-drying application and concentration of very volatile solutions.

Cat. No. _____ 11403

CHILLER

refrigerator circulator has built in circulating pump and water tank of rust proof stainless steel. The built in pump has a flow rate of 2.5 meters and internal tank capacity 10 ltrs. The temperature is controlled by a digital temperature indicator cum controller

Cat. No. _____ 11404



ASPIRATOR WATER



it has built in circulating pump and water tank of rust proof stainless steel. It eliminates water waste and produces pulse less vacuum upto 600mm and above. It is ready to use product for creating vacuum provided with gauge.

Cat. No. _____ 11405

VACUUM PUMP, Oil sealed, air cooled, V-belt driven and mounted on base plate with belt guard, motor 220V AC.



Single Stage		
Cat. No.	Displacement Ltr./min	Motor (HP)
11406/1	32	0.25
11406/2	50	0.25
11406/3	75	0.50
11406/4	100	0.50

Double Stage		
Cat. No.	Displacement Ltr./min	Motor (HP)
11406/5	32	0.25
11406/6	50	0.25
11406/7	75	0.50
11406/8	100	0.50

PORTABLE VACUUM PUMP Cum Air Compressor, Diaphragm Type, Oil free, light weight

Cat. No.	Max. Flow Ltr./min	Max Vacuum (Hg.)
11407/1	15	22"
11407/2	15	27"
11407/3	45	22"
11407/4	45	27"



BEAKERS

The Beakers have excellent clarity and very good chemical resistance. These autoclavable Beakers have prominently raised graduations on the outer surface. Pouring a solution becomes very convenient because of its tapered spout.

Material : Polypropylene



Cat. No.	Capacity
12001/1	50 ml.
12001/2	100 ml.
12001/3	250 ml.
12001/4	500 ml.
12001/5	1000 ml.
12001/6	2000 ml.

BEAKERS (EURO DESIGN)

Material : Polypropylene



Cat. No.	Capacity
12002/1	25 ml.
12002/2	50 ml.
12002/3	100 ml.
12002/4	250 ml.
12002/5	500 ml.
12002/6	1000 ml.
12002/7	2000 ml.
12002/8	5000 ml.

Material : TPX

Cat. No.	Capacity
12002/2a	50 ml.
12002/3a	100 ml.
12002/4a	250 ml.
12002/5a	500 ml.
12002/6a	1000 ml.

BURETTE

This Burette has a transparent acrylic body and a leakproof stopcock made fitted with a self lubricating PTFE plug. Each Burette is individually calibrated to give maximum accuracy. Acrylic body is unaffected by dilute mineral acids & bases except Hydrofloric Acid & Ammonium Hydroxide. The pH range of 1-14 is ideal and can be used up to 5% wt/wt of acids or 30% bases.

Material : Polymethyl Methacrylate/TPX



Cat. No.	Capacity
12003/1	25 ml.
12003/2	50 ml.
12003/3	100 ml.

PIPETTE PUMP

A fast release pipetting device for precise pipetting & zip quick emptying. The Knurled thumbwheel can be rotated to draw up or dispense liquids while the releaser may be pushed in for zip-quick emptying. The moulded chuck has a silicon rubber collet inside to hold various pipettes of standard sizes. It resists acids & alkalies and can be easily disassembled for thorough cleaning.

Material : Acrylonitrile Butadiene Styrene



Cat. No.	Capacity
12004/1	2 ml.
12004/2	10 ml.
12004/3	25 ml.

DROPPING BOTTLES

Blown in Low Density Polyethylene, Dropping Bottles dispense small uniform drops of liquids when pressed lightly.

Material: Polypropylene



Cat. No.	Capacity
12005/1	60 ml.
12005/2	125 ml.

REAGENT BOTTLES (NARROW MOUTH)

The PP bottles are rigid, translucent and have excellent contact clarity. These bottles can be autoclaved filled as well as empty. The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

Material: Polypropylene



Cat. No.	Capacity
12006/1	60 ml.
12006/2	125 ml.
12006/3	250 ml.
12006/4	500 ml.
12006/5	1000 ml.

REAGENT BOTTLES (WIDE MOUTH)

The PP bottles are rigid, translucent and have excellent contact clarity. These bottles can be autoclaved filled as well as empty. The Polypropylene Cap has a built in seal ring to make these bottles leakproof.

Material: Polypropylene



Cat. No.	Capacity
12007/1	60 ml.
12007/2	125 ml.
12007/3	250 ml.
12007/4	500 ml.
12007/5	1000 ml.

NARROW MOUTH BOTTLE

This autoclavable bottle, made of polypropylene, can be used for storing & transferring chemicals and other reagents safe & sound.

Material : Polypropylene.



Cat. No.	Capacity
12008/1	4000 ml.

WIDE MOUTH SQUARE BOTTLE

This autoclavable bottle can be used for storing & shipping chemicals & reagents. Being wide mouthed, it is always convenient to pour in & take out the reagents. The built in depressions on two sides provide excellent grip while holding this bottle.

Material : Polypropylene



Cat. No.	Capacity
12009/1	4000 ml.

HEAVY DUTY VACCUUM BOTTLE

This autoclavable bottle has thick walls, is rugged & can be used for repeated applications of vacuum.

Material : Polypropylene



Cat. No.	Capacity
12010/1	2000 ml.

CARBOY

These carboys are much lighter than glass. These autoclavable, dependable & durable Carboys are provided with wide handles making it convenient while carrying or pouring purposes.

Material : Polypropylene



Cat. No.	Capacity
12011/1	10 Ltrs.
12011/2	20 Ltrs.

CARBOY WITH STOP COCK

These polypropylene Carboys are autoclavable, dependable & durable. These are also equipped with a leak proof spigot screwed to the body. These carboys are an excellent replacement for glass carboys and are used for storing & dispensing distilled water & other laboratory solutions.

Material : Polypropylene



Cat. No.	Capacity
12012/1	10 Ltrs.
12012/2	20 Ltrs.

ASPIRATOR BOTTLES

These bottles are much lighter than glass. These are autoclavable, durable & dependable. The leakproof spigot screwed to the bottle body requires only a half turn to open or close. These bottles are used for storing or dispensing distilled water & other laboratory solutions. Threads should be totally disengaged before autoclaving.

Material : Polypropylene



Cat. No.	Capacity
12013/1	5 Ltr.
12013/2	10 Ltr.
12013/3	20 Ltr.

WASH BOTTLES

These bottles have a translucent & unbreakable character. Solutions can be poured easily by squeezing the bottle lightly. The cap is fitted with a flexible polyethylene delivery tube which can be aimed wherever required.

Material : Polypropylene



Cat. No.	Capacity
12014/1	125 ml.
12014/2	250 ml.
12014/3	500 ml.
12014/4	1000 ml.

WASH BOTTLES (New Type)

These bottles are translucent & unbreakable. The distinguishing feature that these bottles contain is the built in delivery tube making it a one-piece Wash Bottle. These Bottles are graduated on the outer surface to give an approximate idea about the volume of solution filled or dispensed.

Material : Low Density Polyethylene



Cat. No.	Capacity
12015/1	250 ml.
12015/2	500 ml.
12015/3	125 ml.

WIDE MOUTH WASH BOTTLES

These wash bottles have wide mouth that enables easy filling as well as cleaning. The unique feature of the cap is through the top closure and stem moulded in one piece.

Material : Polypropylene



Cat. No.	Capacity
12016/1	500 ml.

CONICAL FLASK

These cone shaped flasks are rigid, translucent & autoclavable. The screw cap keeps the contents of the flask contamination free and makes the flask leakproof. Threads should be disengaged before autoclaving.

Material : Polypropylene



Cat. No.	Capacity
12017/1	100 ml.
12017/2	250 ml.
12017/3	500 ml.

SPECIMEN JAR (Gas Jar)

These transparent Specimen Jars, used for preserving different specimens in the lab are provided with a cap that fits in tight. These jars provided excellent protection to the species preserved in it.

Material : Polystyrene

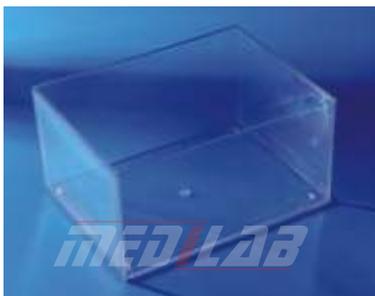


Cat. No.	Size
12018/1	ø50 x h150 mm

RECTANGULAR JAR

These transparent rectangular jars are multipurpose jars. Where as on one hand these jars are very useful for preserving specimens on the other hand these are really useful for chromatography purposes.

Material : Polycarbonate



Cat. No.	Size
12019/1	200 x 150 x 100
12019/2	225 x 200 x 200
12019/3	225 x 225 x 125

FISHER CLAMP

These Clamps are completely corrosion-proof. The spring loaded jack in the middle provides a vice like grip to the Burette and prevents it from slipping. Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8".

Material : Polypropylene



Cat. No.	Type
12020/1	Single
12020/2	Double

FUNNEL HOLDER

These corrosion free Funnel Holders can hold funnels with dia 3" to 6". The extra plate provided can be placed to hold funnels bearing dia 1" to 3". Two tapered wedges are provided to ensure firm grip on Rods having dia 1/2" or 3/8".

Material : Polypropylene



Cat. No.	Type
12021/1	Funnel Holder

SEPARATORY FUNNEL HOLDER

This non-corrosive Separatory Funnel Holder has a front opening which provides clear view of the solution and allows unobstructed placement of separating funnels. Two tapered wedges are provided to ensure firm grip on rods having dia 1/2" or 3/8".

Material : Polypropylene



Cat. No.	Type
12022/1	Separatory Funnel Holder

FLASK STAND

This Flask Stand gives a stair-like top view. Every step provides excellent support to the round bottom flask at every point of Contact. This Flask Stand can hold round bottom Flasks up to 10 Ltr. capacity. This Stackable Flask Stand can also be steam autoclaved.

Material : Polypropylene



Cat. No.	Type
12023/1	Flask Stand

CONNECTORS (T & Y-New)

The crest & valley structure provided at all the ends of the connectors give excellent leakproof grip to the tube.

Material : Polypropylene



Cat. No.	Type
12024/1	T Connector-6mm
12024/2	Y Connector-6mm
12024/3	T Connector-8mm
12024/4	Y Connector-8mm
12024/5	T Connector-10mm
12024/6	Y Connector-10mm

CONNECTORS (Cross)

These four way connectors prove to be an excellent option for achieving leakproof joints in tubing connections.

Material : Polypropylene



Cat. No.	Size
12025/1	6mm
12025/2	8mm
12025/3	10mm

CONNECTORS (L Shaped)

These L shaped connectors also add to the range of different connectors committed to provide excellent leakproof tube arrangements.

Material : Polypropylene



Cat. No.	Size
12026/1	6mm
12026/2	8mm
12026/3	10mm

ANIMAL CAGE

Available in two different sizes, these Cages provide excellent shelter for different animal species in the laboratory. The metallic top provides proper ventilation and has provisions for feeding the species.

Material : Polypropylene / Stainless Steel



Cat. No.	Size
12027/1	290x220x140 mm
12027/2	430x270x150 mm

Water Bottle	Capacity
Cat. No.	Capacity
12027/3	125 ml
12027/4	250 ml

ANIMAL CAGE (Twin Grill)

Adding in line with the existing range, these Animal Cages are provided with a Stainless Steel grill at the bottom of the cage to provide a clean surface for the species to move on.

Material : Polypropylene / Stainless Steel



Cat. No.	Capacity
12028/1	290x220x140mm
12028/2	430x270x150mm

RETORT STAND

These non-corrosive, moulded Retort Stands provide excellent replacement for the metal ones. Even the metallic rod has a polypropylene covering making it non-corrosive. The rod measuring 12.5 mm x 750 mm can be screwed into the heavy base giving way to a perfectly stable Retort Stand.

Material : Polystyrene/Polypropylene



Cat. No.	Size
12029/1	225x150 mm-Side Hole
12029/2	300x200 mm-Centre Hole
12029/3	300x200 mm-Side Hole

DESICCATOR (VACCUM)


These autoclavable vacuum desiccators can hold vacuum upto 740 mm of Hg for 24 hrs. without any greasing. The top dome, moulded in rigid and transparent Polycarbonate, gives a crystal clear view of the desiccant placed inside. The Knurled knob on the top provides easy handling of the dome. The lower part is made of Polypropylene. An internal

groove is provided on the flange to hold a silicon rubber O-Ring. The Polypropylene stopcock is fitted with a self lubricating PTFE plug. This plug works three way i.e. vacuum creation, shutting off & vacuum releasing.

Material : Polypropylene/ Polycarbonate

Cat. No.	SIZE (mm)	FLANGE O.D. (mm)	I.D. (mm)
Vaccum			
12030/1	150	171	150
12030/2	200	232	199
12030/3	250	276	240
12030/4	300	340	300

DESICCATOR (VACCUM) - ALL CLEAR


These Vacuum Desiccators are provided with a transparent polycarbonate bottom that makes it more robust and provides excellent view of the desiccator. All the other features are same as PP/PC vacuum desiccators.

Material : Polycarbonate/Polycarbonate

Cat. No.	SIZE (mm)	FLANGE O.D. (mm)	I.D. (mm)
Vaccum			
12031/1	150	171	150
12031/2	200	232	199
12031/3	250	276	240
12031/4	300	340	300

DESICCATOR (PLAIN)



Plain Desiccators are physically the same as Vacuum Desiccator. Only difference is the absence of stop cock. Grease should be applied on the flanges to make it airtight.

Material : Polypropylene/ Polycarbonate

Cat. No.	SIZE	FLANGE O.D.	I.D.
Plain	(mm)	(mm)	(mm)
12032/1	150	171	150
12032/2	200	232	199
12032/3	250	276	240
12032/4	300	340	300

Both Vacuum & Plain Desiccators are provided with a thick perforated Polypropylene disc with a big hole in the centre for easy lifting. The tiny holes in the disc provide air troughs & support to the dishes. However porcelain discs are advisable in case of incandescent crucibles.

STOP COCKS



These Stop Cocks are fitted with a PTFE plug & have serrated tubulations that accept from 6 mm to 10 mm tubing. These Stop Cocks are absolutely leakproof and are available in two different options i.e. 2 way & 3 way.

Cat. No.	Type
12033/1	2 Way
12033/2	3 Way

Material : Polypropylene / PTFE

KIPP'S APPARATUS

It has three main portions. The top portion is fitted with a thistle funnel and a bulb structure through which dilute acid can be poured which reacts with a metal sulphide in the base of the Apparatus. H₂S gas then evolved collects in the middle dome from where it can be released through a leakproof stopcock fitted with a self lubricating PTFE plug. The base is provided with a residual outlet fitted with a cap for easy cleaning.

Material : High Density Polyethylene



Cat. No.	Capacity
12034/1	250 ml
12034/2	500 ml
12034/3	1000 ml

FUNNELS -LONG STEM



These long stem funnels have smooth walls, 60° cone angle and external ribs to prevent air lock. Moulded in Polypropylene, these clear funnels can also be steam autoclaved.

Material : Polypropylene

Cat. No.	Size	Inside Dia	Stem Length
12035/1	50 mm.	50	39
12035/2	62 mm.	61	67
12035/3	75 mm.	74	69
12035/4	100 mm.	93	84
12035/5	150 mm.	148	55

BUCHNER FUNNEL

These two piece funnels are light weight, easy to clean & autoclavable. The top portion can be snap fitted with the lower one forming a vacuum seal which does not require greasing. The base of the top portion has a perforated filter plate.

Material : Polypropylene



Cat. No.	Size
12036/1	70 mm
12036/2	110 mm

ANALYTICAL FUNNEL

Designed specifically for analytical chemistry, the body of the funnels is 60°. These funnels are provided with internal & external ribs to prevent air blockage.

Material : Polypropylene



Cat. No.	Size (mm)	Inside Dia	Stem Length
12037/1	50	50	50
12037/2	62	62	67
12037/3	75	75	77
12037/4	100	100	95

POWDER FUNNELS

These funnels are best suited for transferring powdered reagents. The unique feature of these funnels is its parallel stem that minimizes bridging of powder. These funnels are steam autoclavable at 121 °C.

Material : Polypropylene



Cat. No.	Size (mm)	Inside Dia	Stem Length
12038/1	65	65	22
12038/2	80	78	30
12038/3	100	100	33
12038/4	150	145	30

INDUSTRIAL FUNNELS

Industrial Funnel are designed in such a way that they make filling of carboys, drums and barrels very convenient. The handles of these funnels make their handling very easy.

Material : Polypropylene



Cat. No.	Size
12039/1	200 mm
12039/2	250 mm

PETRI DISH

These Petri Dish are clear, unbreakable and autoclavable.

Material : Polypropylene



Cat No.	Size
12040/1	50 mm
12040/2	75 mm
12040/3	100 mm
12040/4	125 mm
12040/5	150 mm

PETRI DISH (Culture)

These PS Petri Dish with fitting proves excellent for culture exp. Made in polystyrene, this transparent Petri Dish provides excellent inside view.

Material : Polystyrene



Cat. No.	12041/1

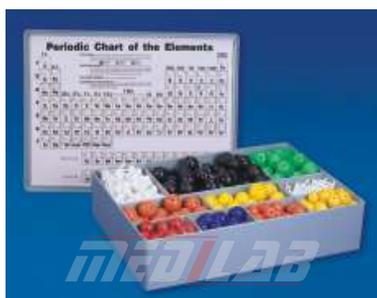
ATOMIC MODEL SET

These sets consist of moulded balls of different colours and sizes along with connecting lugs of different sizes. These sets are very helpful in modelling different organic & Inorganic compounds.

SENIOR SET : This set consists of 185 lugs & 370 balls of prescribed colours & sizes packed in a moulded box having separate space for every particular colour & size of ball.

JUNIOR SET : This set consists of 37 connecting lugs & 75 balls of different colours & sizes packed in a moulded box.

Material : Polystyrene



Cat No.	Size
12042/1	Senior Set
12042/2	Junior Set

ATOMIC MODEL SET (Euro Design)

This set consists of moulded balls of different colours & sizes along with connectors of different sizes. The sizes & shapes of the balls & connecting lugs have been designed in accordance with internationally acceptable standards.

Material : Polystyrene



Cat No.	Type
12043/1	Student Set
12043/2	Teacher Set

CRYSTAL MODEL SET

These Crystal Model Sets contain different coloured jacks (Red, Black & White) & connectors (long & short) in a prescribed number to be joined together in an illustrated way to form structures like Diamond, Graphite & Sodium Chloride.

Material : Polyethylene



Cat No.	Type
12044/1	Diamond
12044/2	Sodium Chloride
12044/3	Graphite

COPLIN JAR

This jar can hold 10 slides of the size 1"x3" back to back. The interior of the Coplin Jar is grooved in a way to hold slides in erect position. Domed & shallow thread screw cap provides protection to the slides.

Material : Polypropylene



Cat No.	12045/1

SLIDE MAILER

Slide Mailers present the best option to carry prepared slides from one place to another. These Slide Mailers are available in three sizes i.e. 1, 2 & 5 slides.

Material : Polypropylene



Cat No.	Capacity
12046/1	1 Slide
12046/2	2 Slides
12046/3	5 Slides
12046/4	10 Slides

SLIDE BOX

These Slide Boxes are durable, compact & provide utmost protection to 1"x3" slides. Heavy walls will not warp, splinter or crack. Boxes are unaffected by humidity and are thoroughly insect proof. Base of the slide Box has a numbered index for easy slide identification.

Material : Polystyrene



Cat No.	Capacity
12047/1	25 Slides
12047/2	50 Slides
12047/3	100 Slides

SLIDE STORAGE RACK

Adding to the existing range of slide accessories, this slide storage rack can hold 100 slides, recognizable through the numeric indexing. Spacing between the slots provide adequate backward & forward movement of slides for convenient recognition. The transparent cover provide excellent view of the slides stored inside.

Material : Acrylonitrile Butadiene Styrene



Cat No.	Capacity
12048/1	100 Slides

FLOAT RACK

This Float Rack is quite compact, autoclavable and can hold 16 micro centrifuge tubes for incubation in water baths. Easy to load, these are essential in microbiology & immunology labs. The surface of the rack has raised alpha-numeric index for easy identification and has a central rod handle for convenient lifting.

Material : Polypropylene



Cat No.	Capacity
12049/1	16 MCTs of 1.5 ml.

50. MCT TWIN RACK

This Twin Purpose Rack is for both 0.5 ml. & 1.5 ml. micro centrifuge tubes. Each side has 108 holes for 0.5 & 1.5 ml. MCT's, respectively. The transparent top provides an excellent view as well as a protection cover for the tubes stored. Each face of the base has a unique alpha-numeric index for easy identification of the tube.

Material : Polypropylene



Cat No.	Capacity
12050/1	Rack for 0.5 ml. & 1.5 ml. MCTS.

PCR TUBE RACK

This rack is used for keeping PCR Tubes. Top & base of this rack are made of tough & transparent polycarbonate while the middle portion is made of polypropylene. The tube holding spaces are uniformly placed so as to facilitate the use of multipipettes. A no. of racks can be stacked together to save shelf space.

Material : Polycarbonate / Polypropylene

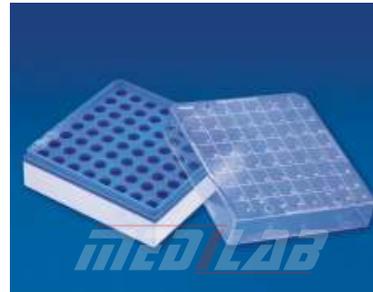


Cat No.	Capacity
12051/1	Rack for 96 PCR Tubes of 0.2 ml

MCT BOX

MCT Boxes are strong as well as autoclavable. One size can hold 64 MCTs of 1.5 ml. & the other can hold 100 MCT's of 0.5 ml. These boxes are designed to work at temperatures ranging from -190°C to +121°C. The transparent cover provides a good view of the contents inside & is numbered for better inventory control.

Material : Polycarbonate



Cat No.	Capacity
12052/1	Rack for 100 MCTs of 0.5 ml.
12052/2	Rack for 64 MCTs of 1.5 ml.

CENTRIFUGE TUBE CONICAL BOTTOM

These tubes are available in two sizes i.e. 15 ml. & 50 ml. These tubes are clear, strong & safe. These autoclavable tubes are provided with printed graduations on the outer surface. The built in seal ring in the cap makes these tubes absolutely leakproof. These tubes can withstand forces upto 7500xG & 12000xG for 15 ml. & 50 ml. tubes respectively. These tubes are available sterilized as well as non-sterilized.

Material : Polypropylene



Cat No.	Capacity
12053/1	15 ml.
12053/2	50 ml.
12053/3	15 ml.-Sterile
12053/4	50 ml. -Sterile

CENTRIFUGE TUBE ROUND BOTTOM

These tubes have excellent clarity and are strong enough to be used upto 50,000xG. These tubes can be autoclaved, however, repeated autoclaving in PC tubes reduces their mechanical strength.

Material : Polypropylene / Polycarbonate



Cat No.	Capacity
12054/1	16 ml. Cent. Tube PP.
12054/2	50 ml. Cent. Tube PP.
12054/3	16 ml. Cent. Tube PC.
12054/4	50 ml. Cent. Tube PC.
12054/5	Cap for 16 ml. Cent. Tube
12054/6	Cap for 50 ml. Cent. Tube

OAK RIDGE CENTRIFUGE TUBES

These Tubes have excellent contact clarity and can be used upto 50,000xG. The screw cap is fitted with silicon O-Ring making it totally leakproof. These tubes should not be used below 4°C.

Material : Polypropylene



Cat No.	Capacity
12055/1	30 ml.
12055/2	50 ml.
12055/3	100 ml.

Actual brim capacity of 12055/2 is 45 ml.

URINE CONTAINER

These containers can be used for collecting a wide range of samples of sputum, urine etc. These container have excellent contact clarity and the cap has built-in seal that makes it completely leakproof.

Material : Polypropylene



Cat No.	Capacity
12056/1	30 ml.
12056/2	60 ml.

TEST TUBE WITH SCREW CAP

These tubes provide excellent option for RIA, coagulation & bacteriology etc. The cap is screwed on to the tube & hence this tube can be filled up to the brim.

Material : Polypropylene



Cat No.	Size
12060/1	16x100 mm
	Ext. Thread

STOOL CONTAINER

These containers, as the name suggests, are used for collecting stool samples. The cap is provided with a spoon like structure that proves helpful in lifting samples.

Material : Polypropylene



Cat No.	Capacity
12057/1	30 ml.
12057/2	60 ml.

TEST TUBE CAP

This transparent polypropylene cap for Test Tubes proves to be an excellent protection to the contents to the tubes. The grooves inside the cap tighten the fitting on the tube while the outer grooves would hold identification labels. The built in seal ring would set in the tube making the combination a leakproof one.

Material : Polypropylene



Cat No.	Size
12061/1	Cap for Test Tube ø 25 mm

58. STOOL CONTAINER

In addition to the range of existing sample containers, this Stool Container has the unique feature of one piece moulded cap-spoon combination.

Material : Polypropylene



Cat No.	Capacity
12058/1	25 ml.

STORAGE VIAL

As the name suggests, these vials are commonly used for storage of biological material, human & animal cells. The Cap is provided with a built in seal making the vial leakproof. The base of the vial has longitudinal grooves which give it a non-twisting character when placed in a vial rack.

Material : Polypropylene



Cat No.	Capacity
12062/1	1.0 ml.
12062/2	2.0 ml.
12062/3	5.0 ml.

RIA VIAL

These tubes are generally used in RIA, Coagulation & Bacteriology. The tubes are clear and can withstand 3000 RCF during Centrifugation while the transparent tubes can withstand 1400 RCF. The PP tubes can accept common acids, alkalies & solvents at room temperature while the PS tubes can accept mild bases, weak acids but not organic solvents.

Material : Polypropylene / Polystyrene



Cat No.	Size
12059/1	12 x 75 mm / PS
12059/2	12 x 75 mm / PP
12059/3	Cap for 12 mm RIA Tube

STORAGE VIAL WITH O-RING

This vial has an O-ring in the cap that makes it absolutely leakproof. Like other storage vials this vial can also be used for storage purposes.

Material : Polypropylene



Cat No.	Capacity
12063/1	2.0 ml.

STORAGE VIAL-INTERNAL THREAD

Another addition to the range of storage vials is this vial which has internal thread in it. The cap fitted with an O-ring screws in to the vial and makes it a leakproof storage vial.

Material : Polypropylene



Cat No.	Capacity
12064/1	2.0 ml.

SV10-SV5

These vials add to the existing range of storage vials. Available in 5 ml. & 10 ml. capacities, these vials have polypropylene cap with built in seal ring making it a leakproof vial. Just like others storage vials these vials are also used for the storage of biological material, animal & human cells etc.

Material : Polypropylene



Cat No.	Capacity
12065/1	SV-10 ml.
12065/2	SV-5 ml.

SCINTILLATION VIAL

These unbreakable vials, are fitted with leakproof screw caps. These vials can be used with standard counting equipment for liquid scintillation system and are excellent for low activity count.

Material : High Density Polyethylene



Cat No.	Capacity
12066/1	8 ml.
12066/2	20 ml.

RACK FOR SCINTILLATION VIAL

These Racks for Scintillation Vials, are autoclavable & corrosion resistant. There is an individual rack for both 8 ml. & 20 ml. vials. These rugged & stable racks can hold scintillation vials for convenient storage, handling & sample preparations.

Material : Polypropylene



Cat No.	Rack Capacity
12067/1	90 vials of 8 ml.
12067/2	50 vials of 20 ml.

CRYO VIAL-INTERNAL THREAD

Adding to the existing range of Cryo Vials is this vial which has internal thread in it. The cap fitted with an O-ring screws in to the vial and makes it a leakproof Cryo Vial. These vials are provided with white, prominent graduations and a long marking area for sample identification.

Material : Polypropylene



Cat No.	Capacity
12068/1	2.0 ml.

CRYO VIAL

Cryo vials are normally used for storage of Biological material, human & animal cells. These sterilized tubes are provided with white, prominent graduations and a long marking area for sample identification. The cap of these vials is provided with a seal ring inside to make it completely leakproof. The longitudinal grooves in the base give a non-twisting feature to these vials when placed in a cryo rack.

Material : Polypropylene



Cat No.	Capacity
12069/1	1.0 ml.
12069/2	1.8 ml.
12069/3	4.5 ml.

CRYO CODERS

These Coders available in different colours can easily fit into the cap of cryo vials for colour identification of different samples.

Material : Polystyrene



Cat No.	Capacity
12070/1	

CRYO RACK

Cryo Rack is moulded in Polycarbonate making it tough, durable & autoclavable. This handy rack can hold 50 vials at a time. The unique feature of this rack is that vials can be unscrewed without actually picking them up as the vial will lock in every well and hence will not twist. This rack is provided with four anti skid rubbers & each well is identified with an alpha-numeric index.

Material : Polycarbonate

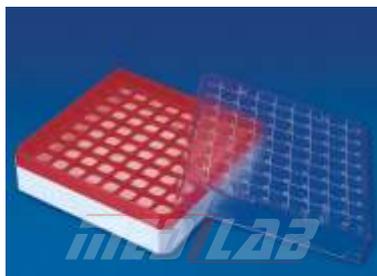


Cat No.	Capacity
12071/1	50 places for 1, 1.8 & 4.5ml Cryo Vials

CRYO BOX (PC)

These Cryo Boxes are extra strong and autoclavable. These can accommodate Cryo Vials of up to 4.5 ml. capacity and are designed to be used at temperatures ranging from -190°C to +121°C. The transparent cover of the box gives a good view of the contents inside and is numbered for better inventory control.

Material : Polycarbonate



Cat No.	Capacity (Places)
12073/1	50 for 1 ml or 1.8 ml
12073/2	81 for 1 ml or 1.8 ml
12073/3	81 for 4.5 ml
12073/4	100 for 1 ml or 1.8 ml

CRYO BOX (PP)

The top of the box is attached to the bottom through well designed built-in hinges. The bottom has built-in spaces to hold vials up to 2ml. capacity. Available in two different sizes, these autoclavable boxes bear alpha numeric index for easy identification of different vials placed inside.

Material : Polypropylene



Cat No.	Capacity
12074/1	81 for 1 ml. or 1.8 ml.
12074/2	100 for 1 ml. or 1.8 ml.

MICRO TEST PLATES

ELISA/ASSAY plates are made of optically clear, non-toxic Polystyrene. These plates with 96 U Bottom or flat bottom wells bear alpha-numeric index. Uniform placement of all the wells facilitate use of multi channel pipettes. These plates packed individually are available non-sterile as well as radiation sterilized.

Material : Polystyrene



Cat No.	Type
12075/1	Flat Bottom
12075/2	U Bottom

MICRO TIP BOX

These boxes are autoclavable. The Box itself is clear providing an excellent view of the tips inside while a table like structure is provided inside to hold the tips. The tip holding spaces are uniformly placed to facilitate the use of multi channel pipettes. The cover is joined to the base through ball catcher hinges and provides excellent protection to the tips.

Material : Polypropylene



Cat No.	Capacity
12076/1	For 96 Micro Tips of 2-200µl
12076/2	For 100 Micro Tips of 200-1000µl

MICRO TIP BOX (New)

The unique feature of these tip boxes is the improved robust hinge design which prevents the top from being easily disengaged from the bottom of the box.

Material : Polypropylene



Cat No.	Capacity
12077/1	96 Tips of 2-10µl
12077/2	96 Tips of 2-200µl
12077/3	100 Tips of 200-1000µl

VOLUMETRIC FLASK

These flasks are strong, unbreakable and have good contact clarity. These autoclavable flasks are provided with screw caps to prevent leakage.

Material : Polypropylene



Cat No.	Capacity
12078/1	25 ml.
12078/2	50 ml.
12078/3	100 ml.
12078/4	250 ml.
12078/5	500 ml.
12078/6	1000 ml.

PETRI DISH (Sterile)

These transparent, ready to use, disposable Petri Dishes are made of optically clear, non-toxic, Polystyrene. These Petri Dishes packed individually in polyethylene bags are sterilized by radiation.

Material : Polystyrene



Cat No.	Size
12079/1	35 mm
12079/2	60 mm
12079/3	90 mm
12079/4	140 mm

RACK FOR PETRI DISHES

These Racks are clear acrylic construction with polycarbonate posts. These racks are very useful during inoculation, incubation & Storage. Visibility from all sides enables the culture to be seen & checked during incubation.

Material : Polymethyl Methacrylate / Polycarbonate



Cat No.	Capacity of Rack
12080/1	60 Dishes of 90mm
12080/2	56 Dishes of 60mm

UNIVERSAL MULTI RACK

This rack is an excellent lab apparatus compatible with different sizes of tubes. Four sides of this rack can be used for tubes of $\phi 30$ mm, $\phi 20$ mm, $\phi 17$ mm & $\phi 12$ mm.

Material : Polypropylene



Cat No. 12081/1

NESTLER CYLINDER STAND

This stand, as the name suggests, is used for keeping nestler cylinders. Made of polypropylene, this stand is available in two sizes, one for 50ml nestler cylinder & other for 100ml. nestler cylinder.

Material : Polypropylene



Cat No.	Capacity
12082/1	50ml.
12082/2	100ml.

TEST TUBE STAND

This autoclavable Stand is perhaps the most commonly used Test Tube Stand in various laboratories. For better visibility, this 6 place rack is end supported by 2 columns. The top plate has 2 holes for holding 25 mm dia test tubes, four holes to hold 16 mm dia tubes where as the base has corresponding hemispherical wells. It also has six vertical pins for drying tubes.

Another option available in this section is a test tube stand in which all the holes in the top plates can hold 25 mm dia tubes.

Material : Polypropylene



Cat No.	Capacity
12083/1	16/25 mm ϕ Tubes
12083/2	25 mm ϕ Tubes

TEST TUBE STAND (ROUND)

A handy, little, space saver, this circular twelve place Polypropylene Test Tube Stand has four 25 mm dia holes & eight 19 mm dia holes in its top plate. The base has matching hemispherical wells & 16 vertical pins for drying tubes surrounded by a trough to catch drippings. This autoclavable rack can be easily disassembled for cleaning purpose.

Material : Polypropylene



Cat No.	Capacity
12084/1	19/25 mm. ϕ Tubes

RACK FOR MICRO CENTRIFUGE TUBES

These autoclavable racks are made for holding 1.5 ml. micro centrifuge tubes. These racks have a unique stacking feature which prevents movement in any direction. The holes are numbered & lettered for easy identification.

Material : Polycarbonate



Cat No.	Capacity
12085/1	24 Tubes
12085/2	48 Tubes

TEST TUBE STAND (3 TIER)

These ingenious racks with a 3-tier design provide clear view of the tube contents & convenient insertion & removal of tubes. The PC rack has transparent upper & middle plates where as in PP racks, every part is coloured & opaque. These autoclavable Racks can withstand sub-freezing temperatures.

Material : Polypropylene



Cat No.	Size/Capacity
12086/1	13 mm x 31 Tubes
12086/2	16 mm x 31 Tubes
12086/3	20 mm x 20 Tubes
12086/4	25 mm x 12 Tubes
12086/5	25 mm x 18 Tubes
12086/6	32 mm x 12 Tubes
12086/7	25 mm x 36 Tubes
12086/8	13 mm x 18 Tubes
12086/9	15 mm x 18 Tubes
12086/10	18 mm x 12 Tubes
12086/11	13 mm x 62 Tubes
12086/12	16 mm x 62 Tubes
12086/13	20 mm x 40 Tubes
12086/14	13 mm x 48 Tubes
12086/15	13 mm x 72 Tubes

Material : Polycarbonate



Cat No.	Size/Capacity
12087/1	13 mm x 31 Tubes
12087/2	16 mm x 31 Tubes
12087/3	20 mm x 20 Tubes
12087/4	25 mm x 12 Tubes
12087/5	13 mm x 62 Tubes
12087/6	16 mm x 62 Tubes
12087/7	20 mm x 40 Tubes
12087/8	25 mm x 24 Tubes
12087/9	25 mm x 18 Tubes
12087/10	25 mm x 36 Tubes
12087/11	32 mm x 12 Tubes

TEST TUBE PEG RACK

These racks can conveniently hold inverted tubes for drying purpose and minimizes collection of airborne contaminants inside the tube. This rack can also be used to hold and dry electrophoresis and chromatography plates.

Material : Polypropylene

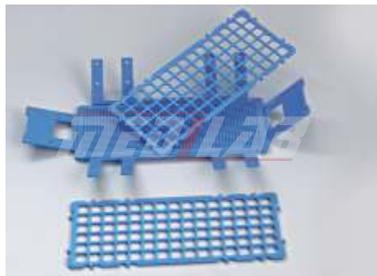


Cat No.	Size/Capacity
12088/1	13 mm x 90 Tubes
12088/2	16 mm x 60 Tubes

TEST TUBE STAND (WIRE PATTERN)

An economical substitute for wire racks, here are these submersible, autoclavable racks which are stackable when empty. These are available in different colours and are made of a special blend of Polypropylene that makes it sink in a water bath and maintain their stability even in agitated water. These space saving racks can easily be disassembled for cleaning purposes. The base is in the form of a grid with square openings and has fold up sides and end bars that lock into rack tops.

Material : Polypropylene



Cat No.	Size/Capacity
12089/1	13 mm x 90 Tubes
12089/2	16 mm x 60 Tubes
12089/3	20 mm x 40 Tubes
12089/4	25 mm x 24 Tubes
12089/5	30 mm x 21 Tubes

RACK FOR MICRO CENTRIFUGE (Folding)

These two-tier versatile racks, are autoclavable & can be used dry, in water baths or in freezers. These racks are provided with alpha numeric index for easy sample identification. Racks are stack able even when loaded and have purpose designed label spaces on each side.

Material : Polypropylene



Cat No.	Size/Capacity
12090/1	100 Places for 1.5ml MCTs

TEST TUBE BASKETS

These autoclavable, unbreakable and non-corrosive Baskets are ideal for rinsing & draining glassware. These are also useful for storage of test tubes or culture tubes during sterilization or incubation.

Material : Polypropylene



Cat No.	Size/Capacity
12091/1	140x120x110 mm
12091/2	160x160x160 mm

DRAINING BASKET

As the name suggests, this basket with wide net like structure on all sides prove really useful for draining different laboratory apparatus after washing them. This basket can be repeatedly autoclaved.

Material : Polypropylene



Cat No.	Size/Capacity
12092/1	400x400x100 mm

PIPETTE STAND (HORIZONTAL)

This detachable Stand can hold 12 pipettes, 6 on each side, in a horizontal position. This autoclavable stand has two sides which are attached to each other with three metallic rods. This stand can be easily disassembled for space saving storage.

Material : Polypropylene



Cat No.	Capacity
12093/1	For 12 Pipettes

PIPETTE STAND (VERTICAL)

This is a stable, non-corrosive, detachable Stand which can hold 28 pipettes with maximum dia 14 mm. The heavy base measures 225 mm in diameter and a Polypropylene coated square rod measuring 375 mm in length is screwed into the base. The top disc that can be fixed on the rod has holes for holding pipettes while the lower one has pilot holes where the pipette tips rest and liquids drain down to the base. These discs can be adjusted on the rod according to the length of the pipette. The arrows provided on the discs should be kept parallel to ensure that corresponding holes are being centered.

Material : Polypropylene



Cat No.	Capacity
12094/1	for 28 Pipettes

PIPETTE STAND (94 PIPETTES-ROTARY)

This unique Stand holds a maximum of 94 pipettes and rotates on a central vertical axis for convenient selection of any particular pipette. The lower rotating disc has four concentric troughs with tapered sides and open bottoms which cradle the pipette tips protectively and permit water drops to run off. The upper disc has a grid pattern concentric with the bottom disc and keeps the pipettes vertical. Liquids draining off the pipettes are retained on the top of the stationary base by the outer ring. This stand can be easily disassembled & reassembled.

Material : Polypropylene



Cat No.	Capacity
12095/1	For 94 Pipettes

PIPETTE BOX

This Pipette Box is designed in such a way that it can hold Pipettes of different lengths. The top of the box screws on the bottom and the height can be adjusted by screwing or unscrewing the top.

Material : Polypropylene



Cat No.	Capacity
12096/1	

REAGENT RESERVOIR

This autoclavable Reagent Reservoir is helpful for multi-channel pipettes to be used into microtiter plates.

Material : Polypropylene

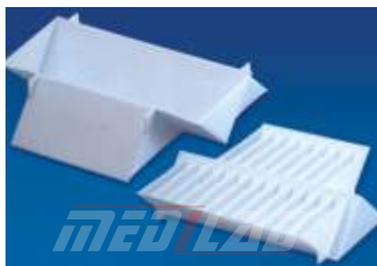


Cat No.	Capacity
12097/1	75 ml.

UNIVERSAL REAGENT RESERVOIR

This Universal Reagent Reservoir is a graduated single reagent reservoir with maximum volume of 50ml, reservoir with 8 separate numbered 5ml. reagent channels & a reservoir with 12 separate numbered 5ml. reagent channels. These reagent reservoirs are repeatedly autoclavable and can be used with all multi-channel pipettes.

Material : Polypropylene



Cat No.	Capacity
12098/1	50 ml.

ICE BUCKET

This Ice Bucket is made of a durable rigid material bearing excellent insulating properties. Contents can be stored in it using dry ice, liquid nitrogen or acetone etc.

Material : Polyurethane



Cat No.	Capacity
12099/1	Ice Bucket

STAINING BOX

This Staining Box helps in staining, fixing, de-staining and handling fragile electrophoresis gels and membranes. Box as well as cover will resist temperatures from -70°C to +70°C. The LDPE plug provides leakproof seal and allows easy liquid drainage.

Material : Polypropylene



Cat No.	Capacity
12100/1	125 x 125 x 50mm

MEASURING CYLINDERS

These are single piece cylinders. These autoclavable cylinders have raised prominent graduations for easy reading and have excellent contact clarity. The broad base provides good stability.

Material : Polypropylene



Cat No.	Capacity	Least Count
12101/1	10 ml.	0.2 ml.
12101/2	25 ml.	0.5 ml.
12101/3	50 ml.	1 ml.
12101/4	100 ml.	1 ml.
12101/5	250 ml.	2 ml.
12101/6	500 ml.	5 ml.
12101/7	1000 ml.	10 ml.
12101/8	2000 ml.	20 ml.

Material : TPX (Poly Methyl Pentene)

Cat No.	Capacity	Least Count
12101/9	10 ml.	0.2 ml.
12101/10	25 ml.	0.5 ml.
12101/11	50 ml.	1 ml.
12101/12	100 ml.	1 ml.
12101/13	250 ml.	2 ml.
12101/14	500 ml.	5 ml.
12101/15	1000 ml.	10 ml.

MEASURING CYLINDER HEXAGONAL

These cylinders are now available with hexagonal base also. The hexagonal base provides excellent stability to the cylinder where as the tapered spout works really well while pouring any reagent.

Material : Polypropylene



Cat No.	Capacity	Least Count
12102/1	10 ml.	0.2 ml.
12102/2	25 ml.	0.5 ml.
12102/3	50 ml.	1 ml.
12102/4	100 ml.	1 ml.
12102/5	250 ml.	2 ml.
12102/6	500 ml.	5 ml.
12102/7	1000 ml.	10 ml.

MEASURING CYLINDER PENTAGONAL

Adding to the range of round & hexagonal base cylinders are the pentagonal ones. Prominently raised graduation & excellent contact clarity are among the other features of these cylinders.

Material : Polypropylene



Cat No.	Capacity	Least Count
12103/1	10 ml.	0.2 ml.
12103/2	25 ml.	0.5 ml.
12103/3	50 ml.	1 ml.
12103/4	100 ml.	1 ml.
12103/5	250 ml.	2 ml.
12103/6	500 ml.	5 ml.
12103/7	1000 ml.	10 ml.

MEASURING JUGS

These handy Jugs, are clear, autoclavable and have good chemical resistance. These jugs are provided with a handle for easy & convenient lifting and have raised graduations for easy reading.

Material : Polypropylene



Cat No.	Capacity
12104/1	250 ml.
12104/2	500 ml.
12104/3	1000 ml.
12104/4	2000 ml.

MEASURING JUGS (EURO DESIGN)

Adding to the existing range of Jugs, these short form transparent jugs, are autoclavable and have non-drip spout. These jugs have raised graduations, provide excellent contact clarity & are provided with excellent thumb grip on handle.

Material : Polypropylene



Cat No.	Capacity
12105/1	500 ml.
12105/2	1000 ml.
12105/3	2000 ml.
12105/4	3000 ml.
12105/5	5000 ml.

CONICAL MEASURES

These Conical Measures are very good for measuring small quantities of reagents. These autoclavable Measures have a hexagonal base which provides it excellent stability. The Measures are clear, have good chemical resistance and have raised graduations for easy reading.

Material : Polypropylene



Cat No.	Capacity
12106/1	12 ml.
12106/2	25 ml.
12106/3	50 ml.
12106/4	125 ml.
12106/5	200 ml.

SEPARATORY FUNNEL

Separatory Funnel gives excellent contact clarity and strength. This pear shaped, autoclavable separating funnel has a leakproof threaded screw cap. The Polypropylene stopcock, fitted with a self lubricating PTFE plug, is push fitted to the stem of the separatory funnel.

Material : Polypropylene



Cat No.	Capacity
12107/1	100 ml.
12107/2	250 ml.
12107/3	500 ml.

SPATULA

Spatula consists of a spoon on one side while the other end is a flat construction with a knife edge. This edge is helpful in breaking up crystals of different salts while the spoon is used to draw salts from the containers.

Material : Polypropylene



Cat No.	Capacity
12108/1	150 mm
12108/2	200 mm

STIRRER

These Stirrers are very useful for stirring different solutions in the laboratory. These Stirrers prove to be tough and long lasting.

Material : Polypropylene



Cat No.	Capacity
12109/1	ø-10 x h-250 mm.
12109/2	ø-6 x h-150 mm.
12109/3	ø-7 x h-200 mm.
12109/4	ø-7 x h-250 mm.
12109/5	ø-7 x h-300 mm.

POLICEMEN STIRRING RODS

This, in-fact, is a multipurpose apparatus which works as a stirrer as well spatula. The fattened ends of this rod form two small spatulas.

Material : Polypropylene



Cat No.	Capacity
12110/1	ø-6 x h-245mm

SOFT LOOP STERILE

This non-toxic disposable loop is accurate to semi quantitative stand for handling samples.

Material : Polystyrene



Cat No.	Capacity
12111/1	Soft loops - 1µl
12111/2	Soft loops - 10µl
12111/3	Inoculation Needle

L SHAPED SPREADER

This sterile, smooth spreader enables even spreading of liquid samples across the surface of a jar plate without grouping & cutting the medium.

Material : Polypropylene



Cat No. 12112/1

LABORATORY TRAY

Laboratory Tray is a multipurpose tray that can be used for sterilizing, drying glassware, porcelainware & other laboratory instruments. These steam autoclavable trays have tapered walls which prove good for nesting.

Material : Polypropylene



Cat No. Capacity
 12116/1 450 x 350 x 75mm
 12116/2 375 x 300 x 75mm

MICRO PESTLE

This double ended pestle's one end fits 1.5ml. Micro centrifuge tube & the other one fits 0.5ml. Micro centrifuge tube.

Material : Polypropylene



Cat No. Capacity
 12113/1 Micro Pestle

UTILITY TRAY

Adding to the already existing range of autoclavable laboratories trays, is the Utility Tray and as the name suggests this Tray can be utilized for purposes ranging from drying glassware to sterilizing and to store any laboratory apparatus.

Material : Polypropylene



Cat No. Capacity
 12117/1 375 x 350 x 130mm

PNEUMATIC TROUGH

These Troughs, are autoclavable and are available in different sizes. These can be used for a wide range of purposes including storage, sterilizing & drying labware etc.

Material : Polypropylene



Cat No. Capacity
 12114/1 ø-180 x h-60mm
 12114/2 ø-200 x h-100mm
 12114/3 ø-250 x h-100mm

CARRIER TRAY

This autoclavable Tray has a unique feature i.e. its handle which proves really helpful in carrying reagents or laboratory apparatus from one place to another, single handedly.

Material : Polypropylene



Cat No. Capacity
 12118/1 380 x 240 x 115mm

PLANTATION POTS

Plantation Pots, are available in four different sizes. These pots have a downward extended rim which provide convenient lifting even if the pot is filled. The bottom of the pot is provided with holes for drain purpose.

Material : Polypropylene



Cat No. Capacity
 12115/1 100 mm.
 12115/2 150 mm.
 12115/3 200 mm.
 12115/4 250 mm.

INSTRUMENT TRAY

This autoclavable trays have cover which fits into groove of trays to minimize spillage of material. Smaller size can be used to sterilize small instruments whereas the larger size allows pipettes to be fully immersed in disinfectant prior to sterilizing.

Material : Polypropylene



Cat No. Capacity
 12119/1 220 x 150 x 70mm
 12119/2 450 x 150 x 70mm

DRAINING RACK

Draining Rack provides an excellent option for post wash draining of tubes & bottles in the laboratory. The back plate has 20 holes into which pegs are tightened with the help of screw-nuts. Bottom of the rack is provided with a tray which collects all the waste water drained down which can further be collected in a container via drain tube. This rack does not rot, stain or rust.

Material : Acrylonitrile Butadiene Styrene / Polycarbonate



Cat No. 12120/1

MAGENTA BOX

Magenta Box is very often used in tissue culture & agricultural research experiments. Main body of this box is made of tough & transparent Polycarbonate which provides excellent view of the contents inside while the cover is made of Polypropylene. This autoclavable box is square in shape giving itself a space saving feature.

Material : Polycarbonate / Polypropylene



Cat No. 12121/1

STORAGE BOXES

These Storage Boxes, prove to be an excellent option for storage of different powdered reagents & other material in the laboratory. Square shape of these boxes help in saving shelf space. Available in three different sizes, these boxes have polypropylene caps, are autoclavable, provide good chemical resistance & heavy duty service.

Material : Polypropylene



Cat No.	Capacity
12122/1	500 ml.
12122/2	250 ml.
12122/3	1000 ml.

SIMPLE CELL POT

This Pot is used for making Simple Cells & Voltmeters etc. This Pot has very good contact clarity and excellent chemical resistance. Being in Polypropylene, this Pot is much durable than the one used conventionally.

Material : Polypropylene



Cat No. 12123/1

LECLANCHE CELL POT

This Pot is used for making Leclanche Cell. This Pot too has very good contact clarity & excellent chemical resistance.

Material : Polypropylene



Cat No. 12124/1

SAMPLE CONTAINER (PRESS & FIT TYPE)

These disposable Containers are used for collecting samples of sputum or urine etc. Graduated on the outer surface, these containers have cap that work in a press & fit manner & make these containers leakproof. These disposable containers are E.T.O. sterilized.

Material : Polypropylene



Cat No.	Capacity
12125/1	50 ml.
12125/2	25 ml.

MEDICINE CUP

These transparent cups can be used to measure different volumes of medicines to be administered. The inbuilt graduations make measuring very easy.

Material : Polypropylene



Cat No.	Capacity
12126/1	25 ml.

PASTEUR PIPETTE

Material : LDPE



Cat No.	Capacity ml
12127/1	1
12127/2	1 sterile
12127/3	3
12127/4	3 sterile

FORCEPS

Material : PP Autoclavable



Cat No. 12128

FIXED VOLUME MICROPIPETTE



Cat No.	Capacity μ l
12129/1	5
12129/2	10
12129/3	20
12129/4	25
12129/5	50
12129/6	100
12129/7	500
12129/8	1000

VARIABLE VOLUME MICROPIPETTE



Cat No.	Range μ l
12130/1	0.5 - 10
12130/2	2 - 20
12130/3	5 - 50
12130/4	10 - 100
12130/5	20 - 200
12130/6	100 - 1000
12130/7	1000 - 5000
12130/8	2000 - 10000

MICRO TIP

Material: PP Autoclavable



Cat No.	Capacity μ l
12131/1	0.2-10
12131/2	2-200
12131/3	200-1000
12131/4	1000-5000

MICRO TIP BOX

Material: PP Autoclavable



Cat No.	Capacity μ l
12132/1	0.2-10
12132/2	2-200
12132/3	200-1000

BOTTLE WITH STANDARD TAPER STOPPER

Material: LDPE



Cat. No.	Capacity ml
12133/1	125
12133/2	250
12133/3	500
12133/4	1000

PIPETTE TOP

Pipette top offers safer more convenient filling and dispensing for glass and plastic pipettes from 1ml to 100ml pipettes. Pull the slide lever when vacuum is needed. A single rocker switch accurately controls aspiration and dispensing. Disposable, in-line filter prevents contamination.

Material: PP/Silicone



Cat. No.	Capacity ml
12134/1	100

FAST RELEASE PIPETTE PUMP

The light weight pipette pump is designed for fast and accurate one handed operation. A fast release trigger dispenses the entire pipette contents.

Material: PP/Silicone



Cat. No.	Capacity ml
12135/1	2
12135/2	10
12135/3	25

FILTER FUNNEL WITH CLAMP - 47mm MEMBRANE

Non toxic, unbreakable polysulfone funnel is used in microbial and particulate analysis. Aluminium clamp allows one handed operation. Funnels do not leak after repeated autoclaving.

Material: PSF/AL Autoclavable



Cat. No.	Capacity ml
12136/1	250

MICRO CENTRIFUGE TUBE

Material: PP Autoclavable



Cat. No.	Capacity ml
12137/1	0.5
12137/2	1
12137/3	1.5 color amber
12137/4	2.0

RACK FOR MICRO TUBE

This autoclavable rack is ideal for sample processing and short or medium term storage of samples in a freezer. This rack can be stacked as well as coupled to other racks on all sides. 24 places.

Material: PP Autoclavable



Cat. No.	Capacity ml
12138/1	0.5
12138/2	1.5

-20°C MINI COOLER WITH GEL FILLED COVER

An alternate to ice buckets for keeping reagents and enzymes cool. Also protects critical samples from temperature fluctuations in the freezers. Freeze 0°C mini cooler for 24 hours at -5°C to -10°C before use.

Material: PC/ Non toxic gel



Cat. No.	Capacity	Places
12142	1.5	32

0°C MINI COOLER

An alternate to ice buckets for keeping reagents and enzymes cool. Also protects critical samples from temperature fluctuations in the freezers. Freeze 0°C mini cooler for 24 hours at -5°C to -10°C before use.

Material: PC/ Non toxic gel



Cat. No.	Capacity	Places
12139/1	1.5	12
12139/2	1.5	32

-20°C PCR MINICOOLER

This cooler is designed to protect enzymes and solution by maintaining them at temperature between -20°C and -15°C upto 2 hr. during sample preparation on bench. The aluminium block has 96 holes to hold tubes, strips or plate.

Material: PC/ Non toxic gel



Cat.No.	Capacity	Places
12143/1	0.2	96

-20°C MINI COOLER

An alternate to ice buckets for keeping reagents and enzymes cool. Also protects critical samples from temperature fluctuations in the freezers. Freeze -20°C mini cooler for 24 hours at -20°C to -25°C before use.

Material: PC/ Non toxic gel



Cat. No.	Capacity	Places
12140/1	1.5	12
12140/2	1.5	32

CRYO 1°C COOLER

Used for cell cryo preservation and recovery, this cooler gives -1°C/min cooling rate for 18 cryo vials of 1 or 1.8ml. The cooler needs 100% isopropyl alcohol and mechanical freezer.

Material: PC/ HDPE



Cat.No.	Capacity	Places
12144/1	1 or 1.8	18

0°C MINI COOLER WITH GEL FILLED COVER

An alternate to ice buckets for keeping reagents and enzymes cool. Also protects critical samples from temperature fluctuations in the freezers. Freeze 0°C mini cooler for 24 hours at -5°C to -10°C before use.

Material: PC/ Non toxic gel



Cat.No.	Capacity	Places
12141	1.5	32

0°C MINI COOLER

An alternate to ice buckets for keeping reagents and enzymes cool. Also protects critical samples from temperature fluctuations in the freezers. Freeze 0°C mini cooler for 24 hours at -5°C to -10°C before use.

Material: PC/ Non toxic gel



Cat.No.	Capacity	Places
12145/1	15	12

QUICK FREEZE

An alternate to dry ice - solvent bath for quick chilling of specimens.

Material: PC/ Insulating solution



Cat. No.	Capacity	Places
12146/1	1.5	12

EU 0.2ml 8 TUBE STRIP WITH ATTACHED CAPS

This EU 0.2ml strip does not need a special means for closure. The optical clear caps are already attached to every single tube of this strip, and they can be opened and closed separately.

Material: PP



Cat. No.	12150
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SEROLOGICAL PIPETTE STERILE

Material: PS



Cat. No.	Capacity ml
12147/1	1
12147/2	2
12147/3	5
12147/4	10
12147/5	25

SNAPPER CLAMP

Clamps are made of polyacetal that won't rust or corrode. Snapper clamp size will vary with hose thickness and barbed fitting sizes. An assortment kit includes 24 clamp i.e, 6 of each size 1.5, 4, 6 and 8.

Material: Acetal



Cat. No.	12151
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EU 0.2ml TUBE WITH OPTICAL FLAT CAP

This EU tube features a thin-wall, flat optical cap. The glass-grade, optical area is very well suited for Real-Time PCR, but it may also be used for writing identifications on. This EU tube is also suited for centrifugation purposes.

Material: PP



Cat. No.	Capacity ml
12148/1	0.2
12148/2	0.5

PINCH CLAMP

ON/OFF Ratchet clamp fits 5mm to 9.5mm OD tubing

Material: PP Autoclavable



Cat. No.	12152
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EU 0.2ml TUBE WITH DOMED CAP

This EU tube features a dome cap with a flat shaped optical area on top. It offers great flexibility in opening and closing repeatedly. The special anti-contamination tab prevents fingertips from touching the outskirts of the cap closing area, thus preventing DNA carryover.

Material: PP



Cat. No.	Capacity ml
12149/1	0.2

GAS BULB, capacity 25 ml.

Material: PP



Cat. No.	12153
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SYPHON



Cat. No.	Size mm
12154/1	60
12154/2	12.5

DISSECTING MICROSCOPE



suitable for dissecting purpose, with 2 eyepieces 10x and 20x.

Cat No. 15001

STUDENT MICROSCOPE,



Features:

- The body is Inclinable, standard tube length of 160mm
- Separate coarse and fine focusing knobs with graduation on one side.
- Fixed stage 125x125mm with stage clips to hold the slide
- Illumination through a fork mounted, dia 50mm plano-concave mirror.
- Two Achromatic objectives of 10x & 40x (SL)
- Two Huygenian Eyepieces of 6x, 10x or 15x
- Abbe condenser with N.A.1.25, moves up & down by rack & pinion. Iris diaphragm and filter holder mounted with the condenser.

Cat No. 15002

MEDICAL MICROSCOPE



Features:

- The body is Inclinable, standard tube length of 160mm
- Separate coarse and fine focusing knobs with graduation on one side.
- Fixed stage 125x125mm fitted with mechanical stage X-Y movements on dovetail slides.
- Illumination through a fork mounted, dia 50mm plano-concave mirror. The mirror can be replaced by sub stage illuminator 220V(optional)
- Achromatic objectives of 10x & 40x (SL), 100x (oil immersion)
- Two Huygenian Eyepieces of 6x, 10x or 15x

Cat No. 15003

CO-AXIAL MICROSCOPE 'GB-1'



Features:

- 360° rotate able and 45° inclined Binocular/Trinocular head with all anti-fungus coated prisms.
- Quadruple ball bearing nose-piece
- Ball bearing mechanical stage for smooth functioning
- Co-axial focusing system with slide protection lock
- Set of 4x, 10x, 40x and 100x objectives and a paired set of 10x wide field eyepieces.
- 6V/20W halogen lamp of 220V, 50Hz supply. (optional LED illumination system also available with battery backup)
- Bright field sub-stage condenser 1.2 N.A.

Cat No. 15004

CO-AXIAL MICROSCOPE 'GB-2'



Features:

- 360° rotate able and 45° inclined Binocular head with all anti-fungus coated prisms.
- Quadruple ball bearing nose-piece
- Ball bearing double plate mechanical stage for smooth functioning
- Co-Axial focusing system with three planetary gears assembly
- Set of 4x, 10x, 40x and 100x objectives and a paired set of 10x wide field eyepieces.
- 6V/20W halogen lamp of 220V, 50Hz supply. (optional LED illumination system also available with battery backup)
- Bright field sub-stage condenser 1.2 N.A.

Cat No. 15005

CO-AXIAL MICROSCOPE 'GB-3'



Features:

- 360° rotate able and 45° inclined Binocular head with all anti-fungus coated prisms.
- Quadruple ball bearing nose-piece
- Ball bearing double plate mechanical stage for smooth functioning
- Set of 4x, 10x, 40x and 100x objectives and a paired set of 10x wide field eyepieces.
- 6V/20W halogen lamp of 220V, 50Hz supply. (optional LED illumination system also available with battery backup)
- Bright field sub-stage condenser 1.2 N.A.

Cat No. 15006

CO-AXIAL MICROSCOPE 'GB-4'



Features:

- 360° rotate able and 30° inclined Binocular head with all anti-fungus coated prisms.
- Reverse type quadruple ball bearing nose-piece
- Ball bearing double layer mechanical stage for smooth functioning
- Co-axial focusing system with slide protection lock
- Set of 4x, 10x, 40x and 100x objectives and a paired set of 10x wide field eyepieces.
- 6V/20W halogen lamp of 220V, 50Hz supply. (optional LED illumination system also available with battery backup)
- Bright field sub-stage condenser 1.2 N.A.

Cat No. 15007

INCLINED RESEARCH MICROSCOPE 'GB-5'



Features:

- 360° rotate able and 45° inclined head with all anti-fungus coated prisms.
- Separate knobs for coarse and fine motion having least count 0.002mm
- CXL mechanical stage works on dovetail slides. (Other stages also available)
- Set of 4x, 10x, 40x and 100x and a paired set of 10x wide field eyepieces.
- 6V/20W halogen lamp of 220V, 50Hz supply.
- Bright field sub-stage condenser 1.2 N.A.

Cat No. 15008

STEREO BINOCULAR MICROSCOPE 'SB-1'



Features:

- Straight Stereo Binocular head with interpupillary adjustment and fixed achromatic objectives 2x, provides 80mm working distance, with field of view 5.5mm.
- Wide field eye-pieces 10x paired
- The whole head is adjustable for height on the pillar.

Cat No. 15009

STEREO BINOCULAR MICROSCOPE 'SB-2'



Features:

- 45° inclined stereo Binocular head and adjustable interpupillary distance 55-75mm. Extra wide field achromatic and coated eye-pieces 10x paired with rubber eye guards.
- Extra wide field eye-pieces 6x, 15x, 20x paired

Cat No. 15010

STEREO BINOCULAR MICROSCOPE 'SB-3'



Features:

- Vertical movement controlled by coarse focusing large sized knobs.
- 10x (paired) with extra wide fields.
- Paired Achromatic objectives 1x & 3x or 2x & 4x
- Built-in illumination for incident (EPI) light and sub-stage (Transmitted) light.

Cat No. 15011

STEREO ZOOM BINOCULAR MICROSCOPE



Features:

- Binocular head inclined at 45° and can be rotated through 360°.
- Magnification 7x to 45x
- Rack & pinion focusing system, single stroke upto 50mm
- High point wide field eye-piece HWF 10x in pair and WF 10x.
- Incident and transmitted illumination 20W, halogen lamps.
- Ring illuminator-optional.

Cat No. 15012

TRAVELING MICROSCOPES



Features:

- Stainless steel horizontal scale has 0-18cm graduations (in 0.5mm divisions) with vernier reading to 0.01mm.
- Heavy brass vertical pillar with stainless steel scale has 15cm graduations (in 0.5mm divisions) with vernier reading to 0.01mm.
- Achromatic objective having focal length 50mm and ramsden eye-piece 10x with cross line graticule is fitted in the telescope.

Cat No. 15013

SPECTROMETER, Junior



Features:

- 175mm dia scale graduated in 0-360° and telescope attached vernier has least count 0.1°. The scale is rotateable through 180° and can be locked in any desired position.
- Telescope is mounted on movable pillar has coarse and fine adjustment, locking screw and axis adjustment.
- The telescope provided with 8x ramsden eye-piece with cross line graticule.
- Collimator mounted on fixed pillar of the base with axis adjustment. Achromatic objective dia 25mm and focal length 175mm is fitted in the collimator.
- 75mm dia prism table with lines marked to assist placement of prism upto 38mm high.

Cat No. 15014

SPECTROMETER, Intermediate



- Main scale dia 127mm or 150mm is graduated in 360°.
- Achromatic objective dia 32mm and focal length 178mm is fitted in the telescope. A ramsden eye-piece 10x with cross line graticule is also provided.
- Collimator is fixed on the pillar fitted on the base. It has a fine adjustable slit which is focusable by rack and pinion motion. An achromatic objective dia 32mm, focal length 175mm is also provided in the collimator.
- Prism table is marked with lines to assist positioning of prism.

Cat No.	Scale Dia
15015/1	127 mm
15015/2	150 mm

POLARIMETER, student



- Workable tube length 200mm
- Graduated circular scale 0-360° (in single degree division) every 10th line numbered
- Vernier has least count 0.1° and rotatable with analyzer for measuring the degree of rotation
- Analyzer and polarizer are made of polaride.
- Bi-quartz is used for shade system. It is workable on natural as well as sodium light.
- Eye-piece 8x is focusable by hand adjustable.

Cat No. 15016

POLARIMETER, Laboratory



Features:

- The workable tube length is 200mm with the provision of sugar scale and sodium light source attached with the body.
- Main scale is of glass graduated in single degree and every 10th line numbered, combined with sugar scale - 0 to 30° and +0 to 110° S is observable by separate eye-piece. Vernier has least count 0.05°.
- The light source is operated on transformer supplied with the instrument and is workable on 220V AC 50Hz supply.
- Two number polarimeter tubes in 100mm and 200mm length are provided with the instrument.

Cat No. 15017

HAND REFRACTOMETER



Features:

- 0-32%, scale accuracy 0.2%.
- 28-62%, scale accuracy 0.2%.
- 58-92%, scale accuracy 0.2%.

Cat No. 15018

ABBE REFRACTOMETER



Features:

- Measuring range of refractive index nD1.300 to nD1.700.
- A thermometer is fitted on the double prism.
- A sugar scale with 0-95% reading is provided in the instrument.
- Standard glass plate having 1.509 refractive index alongwith contact solution for standardization is also provided with the instrument.

Cat No. 15019

DIRECT VISION SPECTROSCOPE



Features:

- A simple type, useful for studying the general nature of spectrum and for classroom demonstration of emission and absorption of spectra obtained from any visible light source. The instrument is made on the principal of dispersion without deviation of light. Dispersion is increased by multi element prism of crown and flint glass.

Cat No. 15020

READING TELESCOPE



Features:

- C.I. casted heavy base with chrome plated shaft. The Telescope is hinged on a carriage with up and down motion by knurled head screw. Telescope has rack and pinion focusing system and is focusable from 1mtr. to infinity distance.
- An objective lens dia 25mm with focal length 178mm and eye-piece 10x with cross line graticule is provided with telescope.

Cat No. 15021

SLIT LAMP MICROSCOPE



co-axial movement of base with joy stick, microscope having objectives 1x and 1.6x (paired), eye-pieces 10x and 16x (paired). The slit having width adjustment 0-12mm, length adjustment 0-12mm, with halogen lamp 12V-50W. operates on 220-240V AC 50Hz.

Cat No. 15022

KERATOMETER



coincidence focusing system, 15x eyepieces, one position instrument, measure both meridians without changing optical system, the achromatic optical systems to precise measurement of the corneal radius curvature and accurate measurement of radius curvature of contact lens.

Cat No. 15023

MONOCULAR FIELD MICROSCOPE



Magnification 40x with field of view 4.2 mm, least count 0.02 mm and working distance 24 mm.

Cat No. 15024

MICROSCOPES ACCESSORIES

DETACHABLE MECHANICAL STAGE
Cat. No. 15051



CO-AXIAL MECHANICAL STAGE
Cat. No. 15052



TOP MOUNTING DETACHABLE MECHANICAL STAGE
Cat. No. 15053



BALL-BEARING MECHANICAL STAGE
Cat. No. 15054



CO-AXIAL MECHANICAL STAGE (Economy version)
Cat. No. 15055



DOUBLE LAYER BALL-BEARING MECHANICAL STAGE
Cat. No. 15056



SIDENTOPF BINOCULAR OBSERVATION HEAD
Cat. No. 15057



DIGITAL TRINOCULAR OBSERVATION HEAD
Cat. No. 15058



BINOCULAR HEAD
Cat. No. 15059



BINOCULAR HEAD
Cat. No. 15060



EYE PIECES
Cat. No. 15061



ACHROMATIC OBJECTIVES
Cat. No. 15062



MECHANICS

MASSSES SET, KNOBED, Polished Brass accurately tested, nicely placed in a wooden block.



Cat No.	Weight
16001/1	Total 500g : 1x200g, 2x100g, 1x50g, 1x20g, 2x10g, 1x5g, 2x2g, 1x1g.
16001/2	Total 1000g : 1x500g, 1x200g, 2x100g, 1x50g, 1x20g, 2x10g, 1x5g, 2x2g, 1x1g.
16001/3	Total 2000g : 1x1000g, 1x500g, 1x200g, 2x100g, 1x50g, 1x20g, 2x10g, 1x5g, 2x2g, 1x1g.

MASSSES SET, Analytical



Polished Brass, nicely packed in a polished wooden box, also contains fractional weight box.

Cat No.	Weight
16002/1	1mg to 200mg
16002/2	1mg to 500mg
16002/3	1mg to 1000mg
16002/4	1mg to 2000mg

MASSSES SET, Analytical



Polished Brass, knobbed, nicely packed in a polished wooden box, also contains fractional weight box.

Cat No.	Weight
16003/1	1mg to 200mg
16003/2	1mg to 500mg
16003/3	1mg to 1000mg
16003/4	1mg to 2000mg

MASSSES SET, SLOTTED with Hangers, Polished Brass



Cat No.	Weight
16004/1	Total 100g: 9x10g with hanger 10g
16004/2	Total 500g: 9x50g with hanger 50g
16004/3	Total 1000g: 9x100g with hanger 100g
16004/4	Total 100g: 3x20g, 1x10g, 2x5g with hanger 20g
16004/5	Total 250g: 9x20g, 1x10g, 2x5g with hanger 50g

Note: All brass masses can be offered with chrome plating finish.

MASSSES, SLOTTED, Individual, Polished Brass



Cat No.	Weight
16005/1	5g
16005/2	10g
16005/3	20g
16005/4	50g
16005/5	100g

MASS HANGERS, Individual, Polished Brass



Cat No.	Weight
16006/1	10g
16006/2	20g
16006/3	50g
16006/4	100g

MASSSES with both sides hook, Individual, Polished Brass



Cat No.	Weight
16007/1	5g
16007/2	10g
16007/3	20g
16007/4	50g
16007/5	100g
16007/6	200g
16007/7	500g

Masses with single side hook are also available.

FRACTIONAL MASSES, made of special alloy, precise, consists of masses from 1mg to 500mg.

Cat No. 16008



SPRING BALANCE,



Acrylic, Tubular type, each range is color coded for easy identification, dual scale both in grams and Newton, provision for zero adjustment at top.

Cat No.	Capacity
16009/1	250gm/2.5N
16009/2	500gm/5N
16009/3	1kg/10N
16009/4	2kg/20N
16009/5	5kg/50N

SPRING BALANCE,



Brass, Flat form, painted metal case, provision for zero adjustment at the top.

Cat No.	Capacity
16010/1	250gm
16010/2	500gm
16010/3	1kg
16010/4	2kg
16010/5	5kg
16010/6	10kg

SPRING BALANCE



Handy, Flat Type with zero adjustment, hanging ring and hooks for weight.

Cat No.	Capacity
16011/1	10kg
16011/2	25kg
16011/3	50kg

DOUBLE PAN BALANCE, with 2 stainless steel pans for accurate weighing upto 2 kg with supplementary masses of iron chrome plated-1kg, 500gm, 200gm, 100gm. Beams: i) 0-200gm x 10gm, ii) 0-10gm x 0.1gm

Cat No. 16016



SPRING BALANCE, Plastic, flat type with zero adjustment



Cat No.	Capacity
16012/1	100gm
16012/2	250gm
16012/3	500gm
16012/4	1kg

TRIPLE BEAM BALANCE, a single pan balance with 3 beams with center indicating sliding masses, capacity 610gm. Capacity can be extended to 2610gm with supplementary masses of iron chrome plated-1kg, 500gm, 200gm, 100gm. Beams: i) 0-500gm x 100gm, ii) 0-100gm x 10gm, iii) 0-10gm x 0.1gm.

Cat No. 16017



BUCKET & CYLINDER



used to demonstrate Archimedes principle. It is a Brass cylinder with a suspension hook at one end in a close fitting Brass bucket with a handle and a hook on either side.

Cat No. 16013

HOOKE'S LAW APPARATUS



with plastic scale, supplied without weights

Cat No. 16018

DISPLACEMENT VESSEL,



seamless body made of either tin, copper, brass, with angled spout for easy flow of liquids.

Cat No.	Sizes
16014/1	100x50mm
16014/2	115x90mm
16014/3	225x125mm

HYDRAULIC PRESS

Cat No. 16019



DYNAMIC TROLLEY, wooden trolley with three wheels fitted on ball bearings and spring loaded exploder plunger, activated by a trigger knob.

Cat No. 16015



INERTIA APPARATUS, to show the concept of inertia of a body at rest.

Cat No. 16020



BOYLE'S LAW APPARATUS



designed to demonstrate Boyle's law to a group of students. The results can also be observed from a distance. Supplied without pump and oil.

Cat No. 16021

KINETIC THEORY MODEL



to demonstrate the kinetic theory of gasses. A low voltage DC motor provides oscillatory motion to the diaphragm.

Cat No. 16022

NEWTON'S SECOND LAW OF MOTION APPARATUS



Cat No. 16023

NEWTON DEMONSTRATION / COLLISION BALLS APPARATUS



It illustrates newton's third law of motion. It consists of a frame with 6 steel balls of 19mm dia through thin cord. By pulling and releasing various balls, collision results can be observed.

Cat No. 16024

HEAT

EXPANSION OF LIQUIDS APPARATUS



for demonstration of comparison of thermal and volumetric expansion of five different liquids. It has five glass bulbs with funnel shaped mouth, all supported by a metal frame.

Cat No. 16101

INGEN HAUSZ APPARATUS



on stand, consists of a set of 6 rods mounted on a trough with 4 legs. The rods are of Copper, Brass, Iron, Aluminium, Lead and Zinc. This apparatus is used to compare the relative conductivity of the rods.

Cat No. 16102

INGEN HAUSZ APPARATUS



consists of a set of 6 metal rods, one each of Copper, Iron, Brass, Lead, Aluminium and Zinc, fixed in a sheet metal box with insulated plastic handle.

Cat No.	Type
16103/1	One side handle
16103/2	Two side handle

LEE'S THERMAL CONDUCTIVITY APPARATUS



made of brass, mounted on a stand.

Cat No. 16104

SEARLE'S THERMAL CONDUCTIVITY APPARATUS,

consists of a copper rod with a steam chamber, fitted in a wooden box packed with felt for thermal insulation.



LESLIE'S CUBE



used for qualitative experiments of thermal radiation. This is a sheet metal cube of 13cm with opening at top to fill it with water.

Cat No.	Type
16106/1	Made of copper
16106/2	Made of tin plate

DEFLAGRATING/COMBUSTION SPOON



made of thick brass wire for use in test tubes.

Cat No. 16107

JOULE'S CALORIMETER



double wall, Aluminium. The inner and outer walls are made from Aluminium. It can also be made available in Copper. It has a Bakelite lid fitted with a rubber stopper for thermometer and a metal stirrer.

Cat No.	Sizes
16108/1	75x50mm
16108/2	100x75mm

BAR AND GAUGE APPARATUS, used for demonstration of expansion of solids by heating and contraction by cooling. It includes a metal bar mounted on rod with insulated handle and a U-shaped metal gauge also mounted on an insulated handle.

Cat No.	Bar size
16109/1	10x110mm
16109/2	10x90mm



RING & BALL



for demonstration of thermal expansion of solids. it is a brass ring and a brass ball fitted with double insulated handles.

Cat No.	Ball dia
16110/1	13mm
16110/2	18mm
16110/3	25mm

STEAM HEATER/GENERATOR



cylindrical copper vessel 18 x 10cm (ht x dia) with filling tube, steam vent and vertical tube. There is brass tube, sliding fit in the central tube to carry thermometer. Lower end is cut at an angle to seal the chute.

Cat No. 16111

FOUR STROKE DIESEL ENGINE MODEL



demonstrates functioning of fuel injection system together with hot coil starting device, mounted on a polished wooden base with schematic diagram.

Cat No. 16114

TWO STROKE PETROL ENGINE MODEL



demonstrate operation of simple piston air cooled two stroke engine, mounted on a polished wooden base with schematic diagram.

Cat No. 16115

FOUR STROKE PETROL ENGINE MODEL,



demonstrate air cooled four stroke engine with operation of valves clearly shown, mounted on a polished wooden base with schematic diagram.

Cat No. 16116

STEAM ENGINE MODEL, demonstrate locomotive design, sectional, valve and piston mechanism clearly visible with forward and reverse motion, working with an air blower.

Cat No. 16117



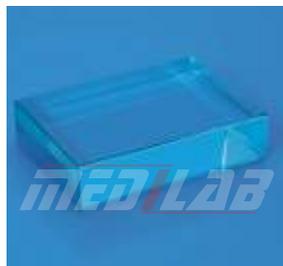
OPTICS

PRISM glass 90°x45°x45°



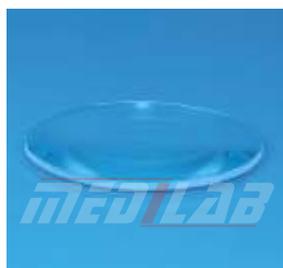
Cat No.	Sizes
16201/1	25mm
16201/2	38mm
16201/3	50mm

GLASS BLOCK, Rectangular



Cat No.	Sizes
16202/1	75x50x18mm
16202/2	100x60x25mm
16202/3	110x65x18mm

LENS, Double convex, different focal lengths available



Cat No.	Diameter
16203/1	38mm
16203/2	50mm
16203/3	75mm
16203/4	100mm

LENS, Double concave, different focal lengths available



Cat No.	Diameter
16204/1	38mm
16204/2	50mm
16204/3	75mm
16204/4	100mm

WATCH GLASS

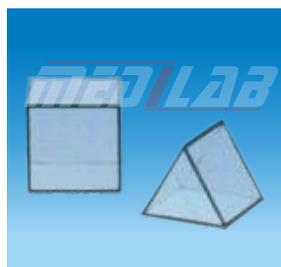


Cat No.	Diameter
16205/1	50mm
16205/2	60mm
16205/3	75mm
16205/4	100mm

CIRCULAR MIRROR, Concave/Convex, different focal lengths available

Cat No.	Diameter
16206/1	50mm
16206/2	60mm
16206/3	75mm

HOLLOW GLASS PRISM/SLAB/TRUFF



made from glass plates properly cemented with optical cement.

Cat No.	Shape and Size in mm
16207/1	Hollow prism 38x38
16207/2	Hollow slab 75x50x18
16207/3	Hollow truff 50x50

MAGNIFIER, steel handle



Cat No.	Diameter
16208/1	50mm
16208/3	75mm
16208/4	100mm

MAGNIFIER, plastic handle



Cat No.	Diameter
16209/1	50mm
16209/3	75mm

MAGNIFIER



illuminated, glass lens dia. 145mm, magnification 2x, focal length 250mm.

Cat No.	16210
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SPHEROMETER



Small, used for measurement of radius of curvature of curved surfaces like lenses etc.

Cat No.	16211
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SPHEROMETER, Superior



Cat No.	16212
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PERISCOPE, to demonstrate the principal of reflection with two plane mirrors mounted at 45°.

Cat No. 16213



OPTICAL BENCH, single rod, consists of a single square section steel rod, graduated length 1 meter, fitted on metal stands with leveling screw. Four sliders with fine index marks. Two sliders have transverse motion arrangement. Two lens holders and two object needles are also provided.

Cat No. 16214



OPTICAL BENCH, double aluminium pipe, with accessories.

Cat No. 16215



OPTICAL BENCH on meter stick

Cat No. 16216



RAY BOX



to provide a simple means of producing single or multiple rays of light for use in elementary optics.

Cat No. 16217

NEWTON COLOR DISC, on stand with manual rotation



Cat No.	Size
16218/1	Disc dia 150mm
16218/2	Disc dia 200mm

SOUND

WAVE MOTION APPARATUS



consists of 24 nos. aluminium disc supporting a series of iron-nickel rods. By revolving the handle, the motion is transmitted successively from one rod to the next, operating as a wave traveling to the top and back, by this, movement of waves can be observed.

Cat No. 16301

TUNING FORK, set of 8



Cat No. 16302

RESONANCE BOX, with hammer, Wooden



Cat No.	Type
16303/1	for 1 tuning fork
16303/2	for 4 tuning forks

ELECTRICAL TUNING FORK



for producing vibrations in the stretched strings. An electromagnet operating on 6V is positioned between both the prongs and can slide along the length of the prong to adjust amplitude of vibrations. End of both prongs have a stylus for frequency measurement.

Cat No. 16304

ORGAN PIPE, made of polished wood.



Cat No.	Type
16305/1	Simple
16305/2	with glass front
16305/3	with Piston

RIPPLE TANK APPARATUS



for investigation of wave properties like reflection, refraction, diffraction and interference of waves.

Cat No.	16306
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MAGNETISM

BAR MAGNETS



Chrome steel, supplied in pair - red and blue, packed with keepers

Cat No.	Size (LxWxH)
16401/1	37x12x5
16401/2	50x12x5
16401/3	75x12x5
16401/4	100x12x5

BAR MAGNETS, ALNICO, supplied in pairs, strong power, North pole clearly marked. Various sizes available, packed with keepers.

Cat No.	16402
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CYLINDRICAL BAR MAGNETS, Chrome steel, supplied in pair - red & blue, dia. 12mm, packed with keepers

Cat No.	Length
16403/1	50mm
16403/2	75mm
16403/3	100mm
16403/4	150mm

CYLINDRICAL BAR MAGNETS, ALNICO, strong lasting power, supplied in pair, packed with keepers.

Cat No.	16404
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HORSE SHOE MAGNET, Chrome steel



Cat No.	Size
16405/1	50x12x5
16405/2	75x12x5
16405/3	100x12x5
16405/4	150x12x5

HORSE SHOE MAGNET, ALNICO

Cat No.	Size
16406/1	50x12x5
16406/2	75x12x5
16406/3	100x12x5

U-SHAPE MAGNETS, Chrome steel



Cat No.	Size
16407/1	15x6x75
16407/2	15x6x100
16407/3	15x6x150

U-SHAPE MAGNETS, ALNICO

Cat No.	Size
16408/1	37x13x10
16408/2	50x13x10
16408/3	75x13x10

CERAMIC RING MAGNET



Cat No.	Size
16409/1	32x16x8
16409/2	36x18x8
16409/3	53x24x10
16409/4	72x32x10

PLOTTING COMPASS, both side glass, dia 20mm



Cat No.	16410
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MAGNETIC COMPASS



Cat No.	Size
16411/1	25mm
16411/2	38mm
16411/3	50mm
16411/4	75mm

BRUNTON COMPASS, made of aluminium duly powder coated



Cat No.	16412
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ELECTROSTATIC

WIMSHURST MACHINE



electrostatic generator consists of two 250mm dia discs with radial alluminium segments driven in opposite direction by wheel, with two leyden jars.

Cat No. 16501

ELECTRIC WHIRL



for demonstrating the effect of electric discharge from pointed conductor.

Cat No. 16502

VAN DE GRAFF GENERATOR



motor driven with accessories as shown.

Cat No. 16503

ELECTRIC FIELD APPARATUS



for demonstration of electric field patterns due to various electrodes configuration. It can also be placed on overhead projector to show the demonstration.

Cat No. 16504

AEPINUS CONDENSER

Cat No. 16505

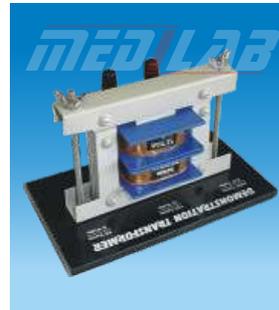


SPARK DISC CHARGER

Cat No. 16506



DEMONSTRATION TRANSFORMER



set of 3 coils-one main primary coil 240V, 2400 turns and two interchangeable secondary coils 65 turns and 130 turns, each giving output of about 6V and 12V respectively at a maximum current rating of 2A, with number of turns and current/voltage rating marked on each coil.

Cat No. 16507

ELECTROSCOPE



a metal ring frame of dia 12cm, carrying an insulating bush with a circular metal disc electrode on upper side. A light weight metal strip is pivoted at the center of ring to provide deflection with charging of electrode.

Cat No. 16508

ELECTROSTATIC KIT, the complete kit comprises:



- Metalized polystyrene spheres - 4 nos.
- Electrophorus - 1 no.
- Proof plane - 1 no.
- Electroscope, disc & hook electrode - 1 set
- Wire stirrup, for suspending strips - 1nos.
- Aluminium cans, 50x25mm - 2 nos.
- Nylon thread - 1 reel
- Glass rod, 10" - 1 no.
- Woolen cloth, 250mm square - 1 no.
- Silk cloth, 250mm square - 1 no.
- Polythene tiles 75mm square - 2 nos.
- Polythene strips, 150 x 25mm - 2 no.

SOLAR CELL

Cat No. 16509



mounted in a plastic case, to be used with a motor to demonstrate the production of electrical energy directly from light energy.

Cat No. 16510

ELECTRICAL - PHYSICS

DECADE RESISTANCE BOX, with different ranges



Cat No.	Type
16601/1	One Decade
16601/2	Two Decade
16601/3	Three Decade
16601/4	Four Decade

NICHROME WIRE



Nickel Chromium iron alloy wire of different diameters, SWG 18, 20, 22, 24, 26, 28, wrapped on a reel, each reel contains 125gm wire.

Cat No.	16602
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PLUG SWITCH



Cat No.	Type
16603/1	one way
16603/2	two way
16603/3	three way

CONTACT KEY



Cat No.	16604
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POST OFFICE BOX- plug type



Cat No.	16605
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POTENTIOMETER

with 4mm socket terminals, supplied with jockey, available with single / double wire on polished wooden base

Cat No.	Type
16606/1	Single wire
16606/2	Double wire



RESISTANCE COIL



in plastic case, with a pair of 4mm socket terminals at top, value marked on each coil, different values available

Cat No.	16607
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TANGENT GALVANOMETER



Cat No.	16608
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RHEOSTAT

slide wire, single and double tube. Different ranges available, details can be provided on request.

Cat No.	16609
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RHEOSTAT COVERED

slide wire, single tube with perforated cover to provide extra safety. Different ranges available, details can be provided on request.

Cat No.	16610
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WHEAT STONE BRIDGE

slide wire form, used for determination of unknown resistance. Made on a mild steel channel, duly painted, with a double end slider type knife edge for easy determination of null point.

Cat No.	Type
16611/1	2 gaps
16611/2	4 gaps



M-1 ROUND



Cat No. 16701
 Case : Black ABS Plastic Case
 Accuracy : ± 2 F.S.D.
 Scale Length : 50 mm (approx) with knife edge pointer
 Desk Stand : Top Terminal unbreakable ABS Plastic Desk stand
 Overall Size : 90 x 90 x 110 approx.
 Packing : Thermocol Box

M-6 ROUND



Cat No. 16706
 Case : Black ABS Plastic Case
 Accuracy : ± 2 F.S.D.
 Scale Length : 50 mm (approx) with knife edge pointer with or without anti parallax mirror
 Overall Size : 80 mm round approx.
 Mounting : Flush Type

M-2 FRONT TERMINAL



Cat No. 16702
 Case : Black ABS Plastic Case
 Accuracy : ± 2 F.S.D.
 Scale Length : 50 mm (approx) with knife edge pointer
 Desk Stand : Front Stand unbreakable ABS Plastic Desk stand
 Overall Size : 110 x 80 x 75 approx.
 Packing : Thermocol Box

M-7 SQUARE



Cat No. 16707
 Case : Black ABS Plastic Case
 Accuracy : ± 2 F.S.D.
 Scale Length : 50 mm (approx) with knife edge pointer.
 Overall Size : 65 x 65 mm Square approx.
 Mounting : Rear Type

M-3 RECTANGULAR



Cat No. 16703
 Case : Clear Transparent Front Cover
 Accuracy : Class ± 2 F.S.D.
 Scale Length : 60 mm (approx) with knife edge pointer and anti parallax mirror scale
 Desk Stand : Front Terminal unbreakable ABS Plastic Black
 Overall Size : 110 x 80 x 80 approx.
 Packing : Thermocol Box

M-8 SQUARE



Cat No. 16708
 Case : Clear Transparent Case with Black ABS Base
 Accuracy : ± 2 F.S.D.
 Scale Length : 60 mm (approx) with knife edge pointer and anti Parallax scale.
 Overall Size : 72 x 72 mm Square approx.
 Mounting : Rear Type

M-4 SQUARE



Cat No. 16704
 Case : Clear Transparent Front Cover
 Accuracy : Class ± 2 F.S.D.
 Scale Length : 65 mm (approx) with knife edge pointer and anti parallax mirror scale
 Desk Stand : Front Terminal unbreakable ABS Plastic Black
 Overall Size : 120 x 80 x 85 approx.
 Packing : Thermocol Box

M-09 SQUARE



Cat No. 16709
 Case : Clear Transparent Case with Black ABS Base
 Accuracy : ± 2 F.S.D.
 Scale Length : 60 mm (approx) with knife edge pointer and anti Parallax scale.
 Overall Size : 72 x 72 mm Square approx.
 Mounting : Rear Type

M-5 RECTANGULAR



Cat No. 16705
 Case : Clear Transparent Front Cover
 Accuracy : Class ± 2 F.S.D.
 Scale Length : 85 mm (approx) with knife edge pointer and anti parallax mirror scale
 Desk Stand : Front Terminal unbreakable ABS Black
 Overall Size : 100 x 100 x 100 approx.
 Packing : Thermocol Box

M-10 RECTANGULAR



Cat No. 16710
 Case : Clear Transparent Case with Black ABS Base
 Accuracy : ± 2 F.S.D.
 Scale Length : 85 mm (approx) with knife edge pointer and anti Parallax scale.
 Overall Size : 80 x 80 mm Rectangular
 Mounting : Flush Type

M-11 DIGITAL METER



Cat No. 16711
 Display : LCD Type 3½ digit
 Power : 9 Volt Battery operated
 Ranges Available:
 199.0 μ A 1.99mA 19.99mA 199.9mA
 1.99mA 19.99mA 199.9mA
 199.9mA 1.99V 19.99V 199.9V

M-16 DEMONSTRATION METER



Cat No. 16716
 Horizontal type in transparent case and Bakelite Base. It is very useful instrument for demonstration.

Accuracy : ± 2.5 F.S.D.
 Scale Length : 85 mm Approx.
 Overall Size : 140 x 140 x 45 mm

M-12 BALLASTIC GALVENOMETER



Cat No. 16712
 Bakelite Case:
 This galvanometer have been designed for very low current measurement.
 Res. : 100 or 500
 Time Period : 10 to 15 Sec.

M-17 INTERSCALE DEMONSTRATION METER



Cat No. 16717
 Basic Movement : 5mA-100mA VFSD
 Scale Length : 200mm approx
 Accuracy : $\pm 2.5\%$ F.S.D.
 Dimensions : 300x150x300mm
 Weight : 2 Kg. approx.

Different interchangeable scales as per customer's requirement can be supplied.

M-13 BALLASTIC GALVENOMETER



Cat No. 16713
 Aluminium Case:
 This galvanometer have been designed for very low current measurement.
 Res. : 100 or 500
 Time Period : 8 to 12 Sec.

M-18 PORTABLE METER



Cat No. 16718
 Portable meters are designed for use in the field, Test room and Laboratories.

Principal : Moving Coil Type
 Case : Bakelite Panel with Wooden Box
 Accuracy : Class ± 1 F.S.D.
 Scale Length : 144mm (Approx.)

Knife edge Pointer and Anti Parallax mirror scale.

M-14 SPOT REFLECTING GALVANOMETER



Cat No. 16714
 This galvanometer has a built in lamp and scale arrangement based in bakelite case.
 Time Period : 2 Second Approx.
 Resistance : 125 or 500
 Sensitivity : 4 to 5 μ A
 Main : 220Volt AC
 Battery & Main Operated as per Customer Requirement.

SAFETY SOCKET



Cat No. 16719
 Coloured ABS Plastic moulded 4 mm hole with double nut (Black, Red, Yellow, Green, Blue)

M-15 OHM's METER



Cat No. 16715
 Ohm's Meter is designed for measuring the Resistance in electric circuits. It is housed in unbreakable ABS case with clear transparent front cover and operated on 1.5V AA cell.
 Size : 100 x 100 x 100 mm

BANANA SOCKET



Cat No. 16720
 Coloured ABS Plastic moulded 4 mm hole with double nut (Black, Red, Yellow, Green, Blue)

LAMINAR AIR FLOW, VERTICAL



- * Made of 19mm thick Ply-board.
- * Epoxy painted inside.
- * HEPA filter efficiency 99.97% upto 0.3 μ .
- * Protection grill for HEPA filter.
- * Pre-filter efficiency 99% upto 5 μ .
- * Stainless steel work bench.
- * UV germicidal lamp.
- * Flourescent illumination.
- * Cork for gas.
- * Balanced blower with motor.

Cat. No.	Size of working Area
17001/1	60x60x60cm
17001/2	90x60x60cm
17001/3	120x60x60cm
17001/4	180x60x60cm

LAMINAR AIR FLOW, HORIZONTAL



- * Made of 19mm thick Ply-board.
- * Epoxy painted inside.
- * HEPA filter efficiency 99.97% upto 0.3 μ .
- * Protection grill for HEPA filter.
- * Pre-filter efficiency 99% upto 5 μ .
- * Stainless steel work bench.
- * UV germicidal lamp.
- * Flourescent illumination.
- * Cork for gas.

Cat. No.	Size of working Area
17002/1	60x60x60cm
17002/2	90x60x60cm
17002/3	120x60x60cm
17002/4	180x60x60cm

FILTERS



Cat. No.	Specification with size
17003/1	HEPA Filter 60x60x15cm
17003/2	HEPA Filter 90x60x15cm
17003/3	HEPA Filter 120x60x15cm
17003/4	Pre Filter 60x60x5cm
17003/5	Pre Filter 90x60x5cm

FUME HOOD



- * Made of stainless steel
- * With high speed centrifuge blower
- * Front sash with counter weights
- * Internal lighting
- * water tap & sink
- * 15/5 Amp switch & socket
- * Gas connection
- * S.S. 316 grade work surface
- * Storage Cup-board

Cat. No.	Size of Working area
17004/1	90x60x60cm.
17004/2	120x60x60cm.
17004/3	120x75x75cm.

OVERHEAD PROJECTOR



Equipped with 24V 250 watts, halogen lamp. Best quality Double Fresnel Lens and most efficient thermostatically controlled cooling system. Size of projection stage 250 x 250 mm. Supplied complete with cleaning cloth, vinyl cover and packed in sturdy card board box.

Cat. No. 17005

PORTABLE OVERHEAD PROJECTOR



Smooth effortless focusing with 3 element high definition vari-focus lens, picture sharpness compensator guarantees a brilliant picture with resolution and optimum contrast. Provided with twin 24V to 250 Watts Halogen Bulb even if one lamp fails, the twin lamp switch over facility enables you to change the lamp instantly. The mini Turbo cooling fan protects the projector mechanism without distributing the audience. Provided with a thermal cut-out to protect mirrors, lamps and lenses. Fresnel lens A4 size (285 x 285)

Cat. No. 17006

PROJECTOR SCREEN



Very sturdy and portable assembled from the best material. Tripod stand and steel metal housing with automatic spring roller system.

Cat. No.	Size
17007/1	180x230cm
17007/2	132x178cm
17007/3	50x150cm

PROJECTOR STAND



Metallic stand with adjustable height. Having sturdy platform, on which the projector can be kept when using.

Cat. No. 17008

PROJECTOR TROLLEY


Fabricated out of laminated board. Overall size Length 90 cm, Breadth 53 cm, Height 75 cm. The top is divided into two portions. On one portion, adjustable platform is provided. This platform can be raised upto 30 cm with the help of jack. The other portion is fixed. A cupboard with lock is provided on one side where O.H.P. can be kept when not in use. Fitted with electric points.

Cat. No. 17009

SLIDE BOX


For keeping 75 mm x 25 mm glass slides in vertical position in serially numbered plastic grooves individually. Teakwood frame sunmica top, plywood bottom hinged top lined with printed index sheet, bottom with velvet. Fitted with brass clips. Spirit polish.

Cat. No.	Pack Size
17010/1	100 slides
17010/2	50 slides

SLIDE CABINET, VERTICAL POSITIONING

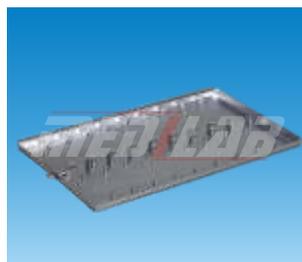

For keeping 75 mm x 25 mm glass slides in vertical position in plastic grooves individually. Cabinet frame made of MDF finished with laminated sheet. Hinged door with lock is lined with velvet. Drawer frame of MDF with plywood bottom fitted with knob, index card holder & restraining lever is lined with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

Cat. No.	Capacity	No. of Drawers
17011/1	500 slides	5
17011/2	1000 slides	10
17011/3	2000 slides	10
17011/4	5000 slides	25

SLIDE CABINET, HORIZONTAL POSITIONING


For keeping 75 mm x 25 mm glass slides in horizontal position in anodized aluminium trays. Cabinet frame of MDF finished with laminated sheet. Flush door provided with lock. Extra drawer in base with printed index sheets.

Cat. No.	Capacity	No. of Trays
17012/1	500 slides	25
17012/2	1000 slides	50
17012/3	2000 slides	100

SLIDE TRAY ALUMINIUM


Anodized aluminium fabrication. To hold 75mm x 25mm glass slides in horizontal position.

Cat. No.	Capacity
17013	20 slides

CHROMATOGRAPHIC CABINET


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 portion. Heavy castors provided for easy movement. Finished in spirit polish. Supplied with two stainless steel troughs & 4 glass rods.

Cat. No.	Pack Size
17014/1	For 6 filter papers of size 57x68cm
17014/2	For 4 filter papers of size 46x57cm

HERBARIUM CABINET


For keeping botanical specimens securely placed in herbarium sheets. Cabinet frame of 19 mm plyboard finished with laminated sheet. Hinged MDF baton to collectively lock the drawers. Drawer frame of MDF with plyboard 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 x 37cm x 8cm.

Cat. No.	Capacity
17015/1	6 drawers
17015/2	12 Drawers
17015/3	24 Drawers

HERBARIUM PRESS for field use

Size 45 cm x 30 cm.

Salient features:

Teakwood batons fabrication.

Adjustable strap for putting sufficient pressure. Spirit polish finished.

Cat. No. 17016



INSECT STORAGE BOX



For pinning of insects both top & bottom insides. Teakwood frame with sunmica top & plywood bottom is finished in spirit polish. Top & bottom lined with 8 mm thick EVA sheet. Inside glazed white with art paper. Raised wooden wall with holes for insecticide, inside bottom to make box air-tight and pest proof. Fitted with brass hinges, index card holder and clips.

Cat. No.	Size
17017/1	53x45x9cm
17017/2	45x30x7.5cm
17017/3	38x25x7.5cm
17017/4	30x23x7.5cm

INSECT CABINET



For keeping insect storage & display showcase of size 18"x12"x2½". Showcase of Teakwood frame with glass top & MDF board bottom is finished in spirit polish. Top & bottom lined with 8mm 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. Cabinet frame made of plywood finished with laminated sheet. Hinged door is provided with lock and handle and is lined with velvet.

Cat. No.	17018
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INSECT STRECHING BOARD



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 12 mm with the help of brass fly-nuts. Material used is teakwood and finished in spirit polish. Size 35 x 12 cm.

Cat. No.	17019
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PLANKTON NET



Made of No. 12 standard silk bolting cloth 125 mesh per sq. inch. 89cm long net 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.

Cat. No.	17020
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AQUATIC NET



Removable, rigid D-shape frame 30 cm across, mesh bag with thick cloth rim. Metal pipe handle with rubber grip at end.

Cat. No.	17021
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INSECT COLLECTING NET



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

Cat. No.	17022
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INSECT LIGHT TRAP



Made of mild steel with a box at the bottom for placing killing bottle/tray. Length of funnel 30 cm, diameter of funnel at the tail end 5 cm, size of box 40 x 40 x 25 cm. Funnel coming into box for convenient collection of trapped insects into the tray. Provided with a shade to cover the whole equipment.

Cat. No.	Type
17023/1	With Electric Bulb
17023/2	With Flourscent Tube
17023/3	With U. V. Tube

INSECT CAGES

Made with aluminum angle framework, which are supported on wooden batons. Fine mesh provided on sides and top. Hinged door provided with clips for tight closing. Wooden bottom covered with sunmica from inside, gives it the best durability to perform.

Cat. No.	Size
17024/1	15x15x15cm
17024/2	20x15x15cm
17024/3	25x20x20cm



INOCULATION CHAMBER


Made of seasoned teakwood with thick MDF sheet on top, bottom & back. Thick non-rattling glass provided on two sides and front slanting glass door. Front side slanting provided with openable glass door for convenient view of the specimens placed inside. Lower portion with round openings on front and one window on side. Inside painted white. Provided with one fluorescent tube and one U.V. tube. Nicely polished.

Cat. No.	Size
17025/1	100x60x60cm
17025/2	70x50x40cm

CORCYRA CAGE


Top lids fits well in the main box and detachable. Lid provided with 20 mesh iron wire-mesh secured with beeding. Provided with handle on sides. Well finished. Size 43 x 23 x 12 cm.

Cat. No.	Made of
17026/1	MDF
17026/1	water proof ply-wood

EGG LAYING CAGE


Best suitable for labs & research centers, these cages are perfectly designed & manufactured, thus satisfying the user. Overall Size : 35x25x18cm. Frame made of MDF sheet planks. Fine wire mesh provided on top & bottom. On one corner on top, a rounded opening 3 cm dia is provided which can be closed with wooden plug. On one side, a rounded opening 11 cm with an arrangement for drop closure with the help of MDF sheet cover is provided for manually putting in/taking out the material.

Cat. No.	17027
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EXHIBITS PANEL WITH ACRYLIC COVER


Single side display. Soft pinning board wrapped in blazer cloth secured in fine aluminium channel. Hinged acrylic door in aluminium frame with locking arrangement.

Cat. No.	Size
17028/1	90x60cm
17028/2	120x90cm
17028/3	120x120cm
17028/4	150x90cm

MAGNETIC BOARD

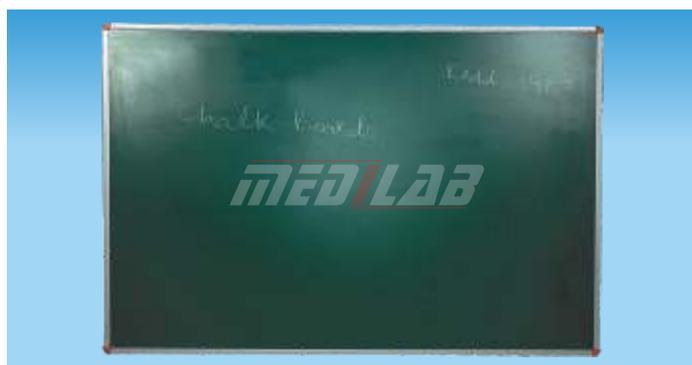
For display of information through magnetic symbols, Charts, papers etc. can also be held to the board through magnetic holders. White surface ideal for writing with specially designed markers pens available in 4 beautiful colors. Ceramic coated steel sheet secured in aluminum frame with hanging hooks on ends. Supplied with 4 no. white board marker pens and one duster.

Cat. No.	Size
17029/1	90x60cm
17029/2	120x90cm
17029/3	120x120cm
17029/4	150x90cm
17029/5	180x90cm


CERAMIC GREEN CHALK BOARD

Green ceramic coated steel sheet in mat finish mounted on MDF base secured in fine aluminium channel with nice hanging arrangement.

Cat. No.	17029
17030/1	120x60cm
17030/2	120x90cm
17030/3	150x120cm
17030/4	180x120cm


FLEXIBLE STAND


Flexible Stand for White / Magnetic / Green Surface Board

Cat. No.	17031
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MUSEUM SPECIMEN DISPLAY SHOWCASE

For display of specimens in museum, laboratories, exhibition etc. Teakwood frame with MDF sheet bottom & hinged top of glass in wooden frame. Inside bottom secured with white sunmica. Partitions dividing showcase into six parts of equal size. Hard-board strip over each partition for label. Fitted with clips and index card holder. Outside nicely polished and inside white painted. Back support for slanting display. Size 60x40x6 cm

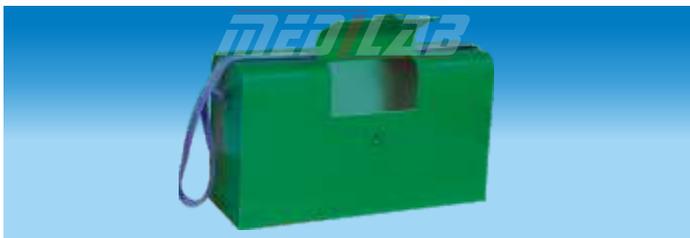
Cat. No. 17032



BOTANICAL VASCULUM.

For collection of botanical specimens from field. Made of 22 SWG aluminium sheet. Handle and adjustable shoulder strap provided for easy handling. Exterior well painted and interior provided with 2mm cork sheet.

Cat. No. 17033



BREEDING NEST FOR FLIES.



Teakwood frame finished in spirit polish. 4mm thick glass on top and fine wire mesh on three sides. Front with 13cm rounded opening in the center with black cloth sleeve. On right side a plumbic pipe fitted for collection of flies. Size 45x45x45 cm

Cat. No. 17034

RAT & MOSQUITO CAGE.

Made of aluminium angle framework supported on wooden batons. Provided with fine wire mesh on sides. Wide wire mesh partition in the center to facilitate mosquitoes passing into rats portion. On side of mosquitoes a rounded opening with black cloth sleeve and on rats side a sliding window with drop closure provided in center. Size 45 x 30 x 30 cm

Cat. No. 17035



BOX FOR GLASS SPECIMEN TUBES.



Teakwood frame with MDF sheet top & bottom is finished in spirit polish. Top & bottom lined with foam to protect specimen tubes from jerks. Fitted with hinges, clips and index card holder. MDF sheet with 150 apertures for 3/4" dia tubes fixed inside.

Cat. No. 17036

CHRYSOPA BREEDING CAGE.

Teakwood frame with silk screen net on sides and covers on side. Top sliding plank of MDF covered with black cloth from inside and spirit polished from outside. A spare plank supplied for replacement. Combs for removal of insects from plank. Nicely finished. Size 60 x 30 x 30 cm.

Cat. No. 17037



INSECT SPECIMEN TUBE BOX.



Teakwood frame with MDF sheet top & bottom is finished in spirit polish. Fitted with hinges, clips & index card holder. MDF sheet with 20 apertures for 3"x1" specimen tubes fitted inside.

Cat. No. 17038

OBSERVATION BEEHIVE.

For keeping 4 honey frames of standard size. Provided with glass on both sides covered with detachable sliding wooden covers. Hole in base allows free movement of bees.

Cat. No. 17039



HOT PLATE, Round


electric, round-dia 20cm, 3 step heat control switch, operates on 220-240V AC, 50Hz

Cat. No. 17040

HOT PLATE, Rectangular


electric, rectangular with 3 step heat control switch, operates on 220-240V AC, 50Hz. Energy regulator is optional.

Cat. No.	Size
17041/1	30x25cm
17041/2	40x25cm
17041/3	45x30cm
17041/4	45x60cm

MAGNETIC STIRRER


with variable speed regulator, max. speed 1200 r.p.m with variable speed control, supplied with teflon coated magnetic stirring bars. Operates on 220-240V AC, 50Hz

Cat. No.	Stirring capacity
17042/1	2 ltr
17042/2	5 ltr
17042/3	45x60cm

MAGNETIC STIRRER WITH HOT PLATE


with temperature control regulator, max. speed 1200 r.p.m with variable speed control, supplied with teflon coated magnetic stirring bars. Operates on 220-240V AC, 50Hz

Cat. No.	Stirring capacity
17043/1	2 ltr
17043/2	5 ltr

WATER BATH RECTANGULAR

electrically heated double walled, inside made of stainless steel, outside mild steel powder coated. Temperature 37°C to 60°C with accuracy ± 2°C. temperature controlled by regulator, it has 6 or 12 holes of 7.5cm dia with concentric rings, fitted with immersion heater 1000 watts.

Cat. No. 17044


VORTEX SHAKER


Test Tube Shaker, vibration type, variable speed, vortex genie short rapid eccentric stroke and motor driven. Neoprene cap imparts vigorous agitation to tube or small flasks.

Cat. No. 17045

MELTING POINT APPARATUS


used in the determination of melting of any substance in small quantity upto 300°C. The apparatus is supplied with thermometer and capillaries, operates on 220-240V, 50Hz

Cat. No. 17046

MELTING POINT APPARATUS, Digital


for accurate determination of melting points of solid samples. The unit consists of a built-in magnetic stirrer, an electrode controller for adjusting the rate of heating of silicon oil bath, ON/OFF switch, a pilot lamp, magnifier, a glare free illuminated background, a HIGH/LOW range selector switch and a digital temperature indicator with PT-100 sensor.

Cat. No. 17047

HEATING MANTLE, with energy regulator.


Cat. No.	Size
17048/1	100ml
17048/2	250ml
17048/3	500ml
17048/4	1000ml
17048/5	2000ml

SEROLOGICAL WATER BATH,

electrically heated double walled, inside made of stainless steel, outside mild steel powder coated. Temperature 37°C to 60°C with accuracy ± 2°C. temperature controlled by capillary type thermostat, supplied with perforated platform to protect thermostat and heater.

Note: Digital temp indicator cum controller fitted optional.

Cat. No.	Chamber Size
17049/1	30x25x17.5cm
17049/2	35x30x17.5cm
17049/3	45x30x17.5cm



TEST & MEASURING INSTRUMENTS

FUNCTION GENERATOR / AF OSCILLATOR

Generates frequency from 1 Hz to 250 KHz in 6 steps wave form is Sine, Square and Triangular. Output is variable from 0 to 10 volts. Accuracy $\pm 3\%$ or 2Hz. Output Impedance 50 ohms. Solid state. Workable on 220V 50Hz. Complete I.C version with coarse and fine controls for output and frequency selection. Dimension 11"x5½"x5".

Cat No. 13001



SERVICE OSCILLATOR AF/ RF OSCILLATOR

variable 100 KHz to 30 MHz. The instrument is to deliver modulated output and continuous wave form. The frequency range is covered in eight bands, modulation frequency is 400 Hz, and also available on output terminals. Modulation depth 30%. Accuracy $\pm 2\%$.

Cat No. 13002



L.C.R.BRIDGE

Fully solid state instrument, workable on 220 V 50Hz, useful for wide range measurement of resistance, Capacitance and Inductance. Resistance range: 0.01Ohms to 1 Meg Ohms in seven ranges. Capacitance 2PF to 110 MFD. Inductance 2 micro Henries to 110 Henry in seven ranges Accuracy $\pm 1\%$, D-0.001 to 10Q=1 to 10. Measure Q value of Inductance Dimension 14"x9"x5½"

Cat No. 13003



OSCILLOSCOPE



Fully solid state workable on 220 volts 50Hz. All supplies are established for accurate and stable operation. Single beam with a band width DC to 10 MHz. The accurate triggering of time base enable clear and stable display on screen 8x8cm. Vertical deflection can be selected for either A.C. or D.C. provision for attenuation in the input circuit, calibrated from 5mV to 50 V/cm.

Cat No. 13004

V.T.V.M.

Workable on 220V50Hz compiled in steel cabinet, rectangular meter 110x90mm. Suitable for measurement of A.C./D.C. Resistance 0-1000M. Ohms in seven ranges R.F.0.50 Volts R.M.S. in 4 ranges. Accuracy: $\pm 3\%$ D.C. Range: 1.5, 5, 15, 50, 150, 500,1500 FS-D, A.C. Range: 1.5, 5, 15, 50, 150, 500,1500 F.S.D.

Cat No. 13005



DIGITAL MEASURING INSTRUMENTS

DIGITAL pH/mV METER

Useful for precise and stable pH/mV measurement and ionic activity with specific electrodes, useful for chemical, pharmaceutical, pesticide, medical, soil, agriculture, water and laboratories, pH measurement 0 to 14 pH corresponding mV measurement 0 to +199.9 mV. Resolution ± 0.01 pH, Accuracy $\pm 1\%$. Temperature compensation of solution also provided. Complete with electrode. Dimension: 11"x7"x4½".

Cat No. 13006



DIGITAL FLUX METER / GAUSS METER

Workable on 220V50Hz. Measuring range upto 2K/20K Gausses. Direct reading calibrated in terms of Gausses, 3.5 digits display. Complete with Hall probe. Accuracy $\pm 0.5\%$

Cat No. 13007



NUCLEAR PHYSICS

G.M. COUNTER DIGITAL

Instrument consists of power supply for G.M. Tube with digital read out meter. 6 digit counting system with its power supply. Controls for reset, start and stop through on panel. One pre set-able timer with 3 digit display and thumb wheel switch. Complete with G.M. tube, mounted in acrylic stand. One radioactive source in lead container. Al. absorbers sheets, Digital multimeter to read the G.M. tube voltage.

Cat No. 13008



e/m APPARATUS

MILLIKAN'S OIL DROP APPARATUS



The principal elements of the assembly are: Specially designed Condenser, a light source and a measuring microscope. The microscope can be adjusted smoothly by slow motion screws in the horizontal as well as in the vertical direction. Atomizer is also fitted on the same carriage. The apparatus does not need any critical adjustment and the oil drops appear in microscope within seconds. Microscope is provided with micro meter scale.

Cat No. 13009

MEGNATRON METHODS (e/m BY SHORT SOLENOID METHOD)

To study charge of an electron by short solenoid method. Kit consists of low voltage DC power supply with filament voltage, variable high voltage and Solenoid current source. Three meters are provided for Anode Voltage/Current and Solenoid Current. One Solenoid mounted so that Megnatron can slide in solenoid pipe. Dimension: 13"x7"x7".

Cat No. 13010



SEMI CONDUCTOR DEVICES

RESISTIVITY OF SEMI CONDUCTOR BY FOUR PROBE METHOD AT DIFFERENT TEMPERATURES AND DETERMINATION OF ENERGY BAND-GAP

The experiment consists of the following: (i) Four probe arrangement for Ge. Crystal (ii) Sample: Ge Crystal mounted (iii) Oven (upto 300° C) (iv) Thermometer (0-300° C) (v) Constant current power supply, digital accuracy $\pm 0.1\%$ of the reading ± 1 digit. Load regulation: 0.03% for no load to full load, Digital Millivoltmeter 0-200 mV and 0-20mA. Accuracy: $\pm 0.1\%$ of reading 1 digit, Impedance: 1 ohm, Display: 3½ digit 7 segment, LED (12.5mm) height with auto polarity and decimal indication.

Cat No. 13011



SUSCEPTIBILITY OF FeCl₃ SOLUTION/QUINCK'S TUBE METHOD

To study susceptibility of FeCl₃ solution in strong magnetic field, complete apparatus consisting of electromagnet of 7.5 K.G. strength with its power supply 0-100V, variable 6Amps. Digital Gauss meter 0-20k Gauss. Graduated Quinck's tube with wooden stand.

Cat No. 13012



HALL EFFECT EXPERIMENT

The set up consists of electromagnet of 7.5 K.G., power supply for electromagnet 0-100V, 6 Amps with meter, Germanium Crystal mounted and Digital constant current power supply with two meters 0-200mV and 0-20mA Halls Voltage and Crystal Current. Gauss Meter Digital 0-20k Gauss with Hall probe and two wooden stands.

Cat No. 130013



LASER EXPERIMENT

HELIUM NEON LASER

A 2 milliwatt laser, Mountable on optical bench, with in built power supply workable on 220V AC. 50Hz. Design for continuous working, highly rugged mechanical setup. Up-down motion for beam.

Cat No. 130014



LASER DIODE

- (a) Low line diffraction grating for Laser wave length
- (b) Young's double slit
- (c) Hand Micrometer
- (d) Grating stand
- (e) Laser filter
- (f) Set of 13 (Demo kit)

Single taper slit, holes A, B, C, D, Gray filter, Multiple slit, Circular opaque spot, Mesh, Multiple Slit 5, Grid pattern, Multiple slit
NOTE: We have complete range of Laser Accessories.

Cat No. 130015



MICHALSON'S INTERFEROMETER



To determine the wavelength of Sodium Light/ Laser light using Michalson Interferometer with arrangement to micro measure highly polished plane slabs placed parallel at 45 and mirrors are placed at right angle. Laser light with power supply fitted. Fringes formed are easily visible on wall or paper.

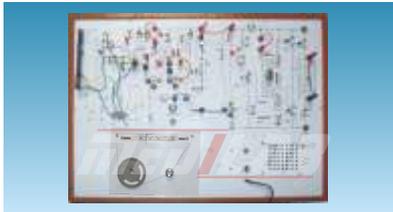
Cat No. 130016

DEMONSTRATION MODELS

DEMONSTRATION MODEL FOR EXPERIMENTS OF MW RADIO CIRCUITS

To study working & various faults of MW Transistor Receiver and Signal/noise and output. The unit compiled on Phenolic sheet with top side nicely screen printed & circuit diagram drawn. Components are soldered along the circuit important connection are brought out on terminals. Instrument consists of Power supply, AGC section, IF section, Oscillator section, Antenna section & output section. Also provided with 6 VDC Power supply, 4" 8 Ohm speaker.

Cat No. 13017



POWER SUPPLIES & TRANSFORMERS

POWER SUPPLY FOR ELECTROFORSIS EXPERIMENT MODEL

Stabilized power supply having range 0-300 V current 100mA. With two deluxe meters continuous working, suitable for electroforosis apparatus.

Cat No. 13018



POWER SUPPLY 0-30 VOLTS 3AMP. MODEL

This supply is designed to meet requirement of general laboratory. Continuously variable 0 to 30V D.C. at current 0 to 3A, continuous. Load regulation $\pm 0.1\%$ line regulation 0.1% With two meters. Both voltage & current variable.

Cat No. 13019



BATTERY ELIMINATORS



Workable on 220V. Housed in steel cabinet. Socket or Band-switch provided for selection of volts output, with On/OFF switch and main indication.

Cat No.	Capacity
13020/1	2 to 12V 3Amps
13020/2	2 to 12V 4Amps
13020/3	2 to 12V 5Amps
13020/4	2 to 12V 6Amps

MOISTURE METERS

MOISTURE METER 'MG-3'



Microcontroller based Universal type, with rugged mechanical construction, accurate moisture content is direct readable on 3 digit L.E.D. display.

Specifications:

- Range: 8-40%
- Accuracy: $\pm 0.2\%$
- Dimension: 29.5x17x19.5cm
- Main 230V 50Hz or Battery operated

Main features

- Easy operation, press and take reading
- Direct reading on digital display
- No adjustment
- Results consistent

Cat No. 13101

MOISTURE BALANCE 'MG-4'



A basic method for determination of moisture content, measure moisture percentage by weight and drying simultaneously. Infra red radiation are reflected by a bulb.

Specifications

- Range: 0-100%
- Accuracy: $\pm 0.2\%$
- Dimension: 28x35cm
- Weights: 20kgs. Approx
- Sample weight: 5gm, 20gm, 25gm or as required
- A.C. mains: 220V 50Hz

Cat No. 13102

DIGITAL INFRARED MOISTURE BALANCE 'MG-4d'



This determines the moisture content of a wide range of materials by the dry and weight method. In a significant improvement over heat lamps, this model uses a unique IR BULB for faster heating. It has an inbuilt software that controls the rate of heating and does all the calculations that are relevant on wet basis or dry basis.

Features:

- Saves time & improves accuracy
- IR BULB for deeply and evenly heats the sample
- Precise heater temperature control
- Inbuilt battery backup
- Automatic detection of dry-end point
- Bright LED long life display
- Displays useful parameters with the touch of a key
- Helps study of drying pattern of the sample.
- Technical Specifications can be provided on request

Cat No. 13106

SOIL METER 'MG-8'



The instrument is for detecting saturation percentage of water in soil. It is workable on 9V battery 3.5 digit display. Complete with 20cm electrode and wooden box.

Specifications

- Range: 0-100 Saturation%
- Accuracy: $\pm 0.5\%$
- Dimension: 22x10x10cm
- Operation: Battery 9V
- Electrode size: 20cm.
- Display: L.C.D. 3.5 digit

Cat No. 13104

MOISTURE METER FOR WOOD 'MG-9'



Direct reading of moisture in Timber, Pulp, Cotton wood. The instrument is housed in cabinet highly finished the test procedure is written on the panel, complete with probe and battery.

Specifications

- Range: 6.8-3%
- Accuracy: $\pm 0.5\%$
- Dimension: 27x14x13cm

Cat No. 13105

SPECTROPHOTOMETER

MICROPROCESSOR UV-VIS SPECTROPHOTOMETER 'M 1371'

Highly reliable, accurate, rugged and easy to operate instrument to determine Absorbance, %Transmission, Concentration & K Factor.

Features

- Printer Interface
- Covers 190 to 1000 nm
- 4 Position Cuvette Holder
- 16 X 2 Line LCD Data Display
- 4 Digit Wavelength Display
- RS - 232C Computer Interface
- μP based wavelength selection

Cat No. 13151



MICROPROCESSOR SPECTROPHOTOMETER 'M 1305'

Versatile, rugged, accurate & easy to operate instrument to determine absorbance, transmission, concentration and K Factor.

Features

- Highly accurate and stable, range 340 to 960 nm
- 16x2 line backlit LCD Display
- Printer attachment facility
- Storage for 100 sample
- RS232C computer interface (optional) soft touch membrane key

Cat No. 13152



DIGITAL SPECTROPHOTOMETER 'M 301'

Features

- Range 340 to 960nm
- 3½ digital display for data
- Highly stable & accurate
- Direct concentration facility

Cat No. 13153



BLOOD CHEMISTRY

MICROPROCESSOR PHOTO COLORIMETER 'M 1312'

A versatile, rugged, accurate & easy to operate clinical instrument for blood & chemical analysis.

Features

- Highly accurate & stable range 400 to 700 nm
 - 16 X 2 line alphanumeric LCD display
 - Printer attachment facility
 - Storage for 100 samples
 - Soft touch membrane keys
- Applications
- For determination of concentration of constituents in
 - Clinical, pharmaceutical, food
 - Beverage & water analysis
 - Analytical and agricultural chemistry
 - Metallurgy
 - Blood



Cat No. 13154

PHOTO COLORIMETERS 'M 313'

Features

- Stable, direct readout of absorbance
- Compact & easy to operate
- Rugged, sturdy & reliable
- Thumb wheel selection of filters
- Pre - focused light source
- long life photo diode detector
- 1 ml sample size

Cat No. 13155

MICROPROCESSOR pH METERS 'M 1012'

Features

- 16 X2 Line LCD Display
- Auto Buffer Recognition Facility
- Storage for 90 Samples
- Printer Attachment Facility

Measure pH, mV & Temperature

Applications

- Food & beverage processing, Dairies.
- Breweries and distillers Purification of Drinking water
- Pollution control and sewage treatment
- Aqua cultural and agriculture, soil testing
- Pharmaceutical, cosmetics cement coal.
- Chemicals, sugar and other industries

Cat No. 13156



DIGITAL POTENTIOMETER 'M 118'

For highly accurate & reliable potentiometer measurements in the laboratory.

Features

- Highly stable & accurate
- 4 electrodes for different titrations
- 3 ½ digit LED display
- Rugged & economical

Cat No. 13157



DIGITAL pH CONDUCTIVITY & TEMPERATURE METER 'M 181'

Features

- Highly stable & accurate
- Rugged & Reliable design
- 3 ½ digit led display
- Cell constant adjustment facility

Cat No. 13158



DIGITAL CONDUCTIVITY TDS, SALINITY METERS 'M 601'

Features

- Highly stable & accurate
- Cell constant adjustment facility
- 31/2 digit display
- Available laboratory & field models
- Automatic temperature
- Compensation facility
- Rugged and reliable design

Cat No. 13159



MICROPROCESSOR BASED CONDUCTIVITY / TDS METER 'M1601'

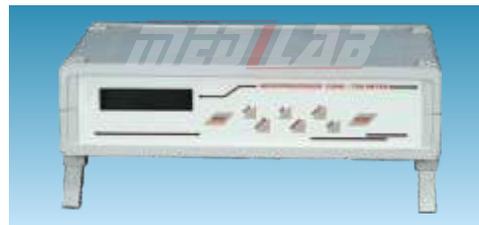
Features

- 16X2 line LCD display auto temperature compensation
- Auto ranging facility
- 90 samples storage facility
- printer attachment facility
- Conductivity, TDS & temp. measurements.

Applications

- Iron & steel
- Brewing & beverage
- Food processing
- Papermaking
- Water production
- Pharmaceuticals

Cat No. 13160



MICROPROCESSOR KF MOISTURE TITRATOR 'M1760'

Features

- Auto computation of moisture in ppm, % & mg H₂O.
- Storage of date, time, batch no. and final results
- 8 digit digital display.
- Motorized dispensing external printer attachment facility.
- Microprocessor based technology.

Cat No. 13161



AUTO KARL FISCHER TITRIMETER 'M 761'

Versatile, compact, rugged & easy to operate instrument to determine moisture content in liquids & solids

Features

- Auto titration control
- Separate control & titration units
- Auto zero burette
- Adjustable timer
- Visual & audible alarm

Cat No. 13162



FLAMEPHOTOMETER

MICROPROCESSOR FLAME PHOTOMETER 'M 1381'



Features

- Single channel
- Mixing chamber designed for stable flame
- Stainless steel round burner
- Concentric non-corrosive nebulizer
- Narrow band interference filters
- 5 digit seven segment bright red LED display (1381)

Cat No. 13163

MICROPROCESSOR FLAME PHOTOMETER 'M 1382'

Features

- Extremely useful for medical and agriculture laboratory use
- All element measurement in single aspiration of the sample
- Automatic optical management of filters
- Calibration curve programmability using maximum of 5 standards.
- Data processing through curve fitting techniques – least squares, quadratic
- Multiple calibration curves saving facility
- Samples data storage facility
- Printer attachment facility
- Measures in ppm, mg, % and meq
- Help key available at each and every operating step

Cat No. 13164



PORTABLE FIELD METER

WATER & SOIL ANALYSIS KIT 'M161'



Features

- Measures pH, conductivity, TDS, DO, Salinity, mV & temperature
- Turbidity measurement in model 191
- Mains cum battery operated
- Available in abs plastic briefcase

Cat No. 13165

WATER & SOIL ANALYSIS KIT 'M 191'

Features

- Measures pH, conductivity, TDS, DO, Salinity, & temperature
- Turbidity measurement in model 191
- Mains cum battery operated
- Available in abs plastic briefcase

Cat No. 13166



DO / TURBIDITY METERS

MICROPROCESSOR DISSOLVED OXYGEN METER 'M 1801'



Features

- Microcontroller based
- Range 0 to 20 ppm
- 90 sample storage memory
- Manual / auto temperature compensation
- Printer interface available

Cat No. 13167

DIGITAL TURBIDITY METERS 'M 341'

Ideal instrument for testing of drinking water & sewage disposal water.



Features

- Highly stable & accurate
- Display – 3½ digit LED
- 30mm flat bottom Test Tube
- Range 0 – 200 NTU

Cat No. 13168

PORTABLE EQUIPMENTS

DIGITAL pH METER



portable, battery operated, 0 to 100°C temperature compensation, interchangeable pH electrode.

Range: 0 to 14.00 pH
Resolution: 0.01 pH
Accuracy: ± 0.02 pH

Cat No. 13171

PRECISION THERMOMETER



portable, battery operated, high accuracy, calibration certificate

Sensor/Input: Pt-1000
Range: -50 to +199.9°C
Resolution: 0.1°C
Accuracy: ± 0.2°C ± 1 digit

Cat No. 13172

HYGRO-TEMP. CONTROLLER



panel type, 96x96x110mm DIN size, calibration certificate optional
Input: Capacitive RTD
Range: 0 to 100% rH, -10 to 60°C
Resolution: 0.1° rH, 0.1°C
Accuracy: ± 2% ± 1 digit ± 0.3°C

Cat No. 13173

HUMAN TORSO, 9 parts

Cat No. 14001



HUMAN MALE PELVIS

Cat No. 14005



HUMAN TORSO, 12 parts, Sexless, with ribs

Cat No. 14002



HUMAN HEART & LUNGS

Cat No. 14006



HUMAN MUSCULAR SYSTEM, Life size

Cat No. 14003



HUMAN CIRCULATORY SYSTEM

Cat No. 14007

HUMAN FEMALE PELVIS

Cat No. 14004



HUMAN DIGESTIVE SYSTEM

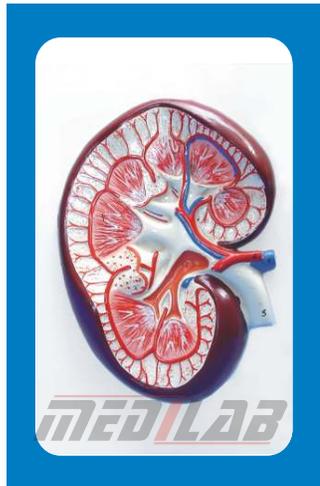
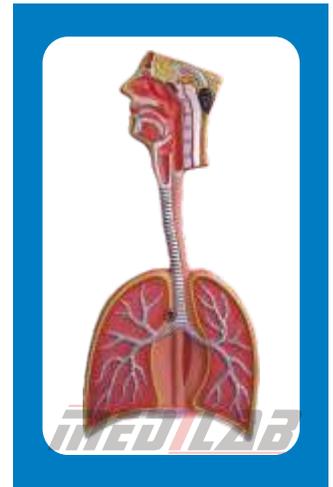
Cat No. 14008



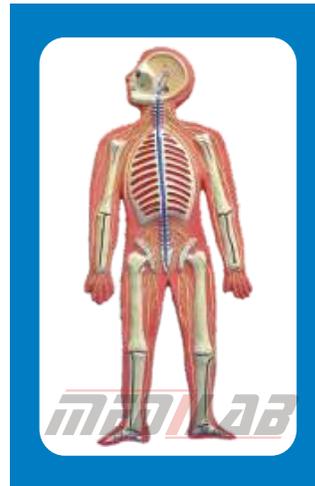
KIDNEY, on stand
Cat No. 14009



HUMAN RESPIRATORY SYSTEM
Cat No. 14013



HUMAN KIDNEY SECTION, on wooden/plastic base
Cat No. 14010

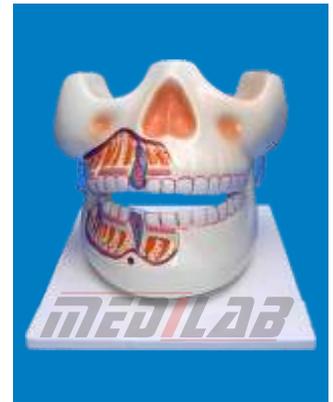


HUMAN NERVOUS SYSTEM
Cat No. 14014

HUMAN HEART, 2 Parts, Natural size
Cat No. 14011



HUMAN UPPER & LOWER JAW
Cat No. 14015



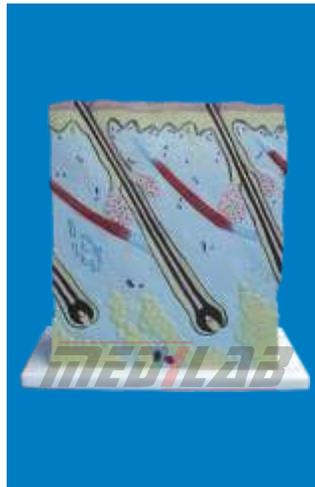
HUMAN HEART, extra Large
Cat No. 14012



SECTION OF SKIN, front view
Cat No. 14016

SECTION OF SKIN,
rear view

Cat No. 14017



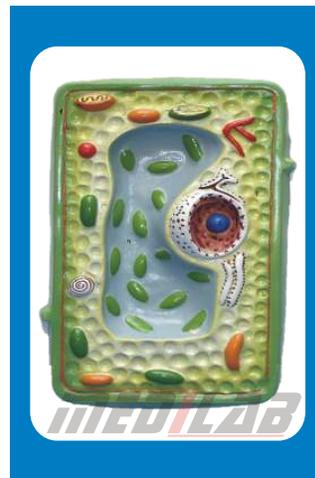
FROG DISSECTION

Cat No. 14021



ANIMAL CELL, on stand

Cat No. 14018



PLANT CELL

Cat No. 14022

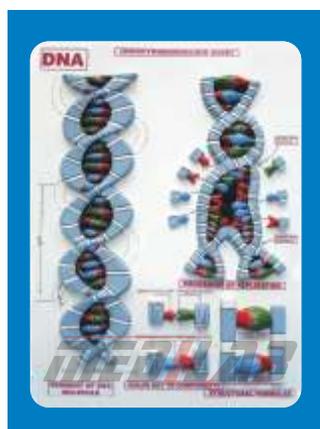
DNA HELICAL TYPE,
on stand

Cat No. 14019



HUMAN SKELETON,
articulated, on stand

Cat No. 14023



DNA MODEL, on Board

Cat No. 14020

- New Models can be developed as per requirements.
- CHARTS are also available on request.

AUTOCLAVE



electrical, vertical portable sterilizer, seamless construction using deep drying process, made of heavy duty Stainless Steel, with double safety valve, steam release valve, working pressure 15 lbs, electrical heaters 2kw.

Cat. No.	Size
18001/1	30x30cm
18001/2	30x37.5cm

*Also available in Aluminium body.
*Also available in non-electric.

DRESSING DRUM



seamless, heavy duty.

Cat. No.	Size
18002/1	15x15cm
18002/2	22.5x22.5cm
18002/3	27.5x22.5cm
18002/4	27.5x11cm
18002/5	35x22.5cm
18002/6	37.5x30cm

INSTRUMENT TRAY



stainless steel, seamless, with lid.

Cat. No.	Size
18003/1	20x15cm
18003/2	25x20.5cm
18003/3	30x25cm
18003/4	35x25cm
18003/5	45x30cm

KIDNEY TRAY



stainless steel, seamless, with lid.

Cat. No.	Size
18004/1	15cm
18004/2	20cm
18004/3	25cm
18004/4	30cm

INSTRUMENT STERILIZER

made of good quality stainless steel with jointless bottom, lid and instrument tray. The tray is lifted automatically when lid is opened. Temperature is controlled with thermostat workable on 220V 50Hz

Cat. No.	Size
18005/1	30x15x12.5cm
18005/2	43x20x15cm
18005/3	51x20x15cm



AEROSOL DISINFECTOR



splits the solutions of formalin and water (30:70) into microparticles. Due to high aerodynamic stability the formalin droplets remain suspended in the atmosphere for longer duration and because of penetrating property it ensures 100% sterile germfree and zero bacterial environment.

Cat. No.	Capacity
18006/1	1.5 ltr
18006/2	5 ltr
18006/3	0-60 timer fitted in st. steel case, optional

SUCTION UNITS

SUCTION APPARATUS 'Optra Max'



trolley model, powder coated, twin polly carbonate jars of 2 ltr. each, with ¼ HP motor, bourden type 3" vacuum gauge. Technical specifications:
Max Vacuum : 715 + 10mm Hg
Suction capacity : 35 ltr./Min
Vacuum Gauge : Bourden Type 3"
Vacuum Pump : Rotary type

Cat. No.	18007
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SUCTION APPARATUS 'Life Care'



trolley model st. steel top, powder coated, twin glass jars 1.5 ltr. each with ¼ HP Motor, bourden type 2.5" vacuum gauge. Technical specifications:
Max Vacuum : 710 ± 10mm Hg
Suction capacity : 30-35 ltr./Min
Vacuum Gauge : Bourden Type 2.5"
Vacuum Pump : Rotary type

Cat. No.	18008
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SUCTION APPARATUS 'Ikon'



trolley model complete st. steel body, twin glass jars 1.5 ltr. each with ¼ HP Motor, bourden type 2.5" vacuum gauge. Technical specifications:
Max Vacuum : 710 ± 10mm Hg
Suction capacity : 30-35 ltr./Min
Vacuum Gauge : Bourden Type 2.5"
Vacuum Pump : Rotary type

Cat. No.	18009
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SUCTION APPARATUS 'Accu-Hy-Sue'



trolley model powder coated, twin glass jars 2 ltr. each with ½ Hp motor, 3" Wheel, bourden type 4" vacuum gauge. Technical specifications:
Max Vacuum : 730 ± 10mm Hg
Suction capacity : 40-45 ltr./Min
Vacuum Pump : Rotary type

Cat. No.	18010
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STOP CLOCK



Cat No. 19001

TEST TUBE HOLDER, wooden for tube

Cat No.	Dia.
19006/1	11-19mm
19006/2	11-30mm



FORTIN'S BAROMETER, with wooden case



Cat No. 19002

TONG, crucible

Cat No.	Size
19007/1	150mm
19007/2	200mm



ANEROID BAROMETER, Demonstration type

Cat No. 19003



TONG, beaker

Cat No. 19008



LEAD ACCUMULATOR



Cat No.	Rating
19004/1	2V, 20Ah
19004/2	2V, 45Ah

SCREW GAUGE,

Cat No.	Size
19009	0-25MM



TEST TUBE HOLDER, simple

Cat No. 19005



VERNIER CALLIPER, mild steel plated,

Cat No.	Size
19010	0-12cm



CORK STOPPER, Bark, various sizes

Cat No. 19011



CORK BORER

Cat No.	Size
19012/1	Set of 6
19012/2	Set of 12



CORK BORER SHARPENER, consists of hardened steel cutting blade with wooden handle

Cat No. 19013



RUBBER STOPPER, solid, sizes available from no.0 to no. 20

Cat No. 19014



RUBBER STOPPER, with one hole, sizes available from no. 0 to 20

Cat No. 19015



BULB TEAT, rubber, for use with dropper pipettes

Cat No. 19016



PIPETTE FILLER, 3-WAY, rubber

Cat No. 19017



PIPETTE BULB, rubber

Cat No.	Size
19018/1	small
19018/2	medium
19018/3	large
19018/4	extra large



AUTOMIZER BULB, rubber

Cat No. 19019



CHLOROFORM BELLOW with cotton net

Cat No. 19020



RUBBER TUBING, red color, supplied in pack of 10meters.



Cat No.	Size (bore dia x wall thickness)
19021/1	4x1.0mm
19021/2	5x1.5mm
19021/3	6x1.5mm
19021/4	7x1.5mm
19021/5	8x2.0mm
19021/6	10x2.0mm
19021/7	12x2.5mm

RUBBER TUBING, high pressure

Cat. No.	Size (bore dia x wall thickness)
19022/1	3.0x4.5mm
19022/2	4.5x4.5mm
19022/3	6x4.5mm
19022/4	8x4.5mm
19022/5	9x4.5mm
19022/6	12x6.5mm

SILICON TUBING, non-toxic, highly elastic, heat resistant from -50° to 250°C, odourless, supplied in roll of 5meters or 10meters.



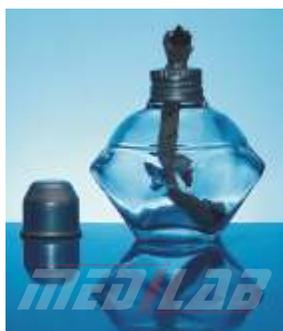
Cat. No.	Size (bore dia x wall thickness)
19023/1	3x1.5mm
19023/2	4x1.5mm
19023/3	5x1.5mm
19023/4	6x2.0mm
19023/5	7x2.0mm

SPIRIT LAMP, glass, round



Cat No. 19024

SPIRIT LAMP, glass, polyhedral



Cat No. 19025

SPIRIT LAMP, stainless steel



Cat No. 19026

BUNSEN BURNER



Cat No. 19027

BUNSEN BURNER, with stopcock, cast iron base duly powder coated



Cat. No. 19028

MEKER BURNER



Cat No.	Type
19029/1	i) with stopcock
19029/2	ii) without stopcock

MOHR'S CLIP, mild steel, nickle plated



Cat No. 19030

HOFFMAN'S CLIP, mild steel, nickle plated


Cat No.	19031
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CRUCIBLES, porcelain, squat / tall form, with / without lid


Cat No.	Capacity
19036/1	15ml
19036/2	25ml
19036/3	50ml
19036/4	100ml
19036/5	150ml

BRUSHES, nylon bristles head on wire handle, various sizes

Cat No.	Types
19032/1	for Test tubes
19032/2	for Beakers
19032/3	for Cylinders
19032/4	for Flasks
19032/5	for Burettes


BUCHNER FUNNEL, porcelain


Cat No.	Diameter
19037/1	35mm
19037/2	50mm
19037/3	75mm
19037/4	100mm
19037/5	150mm

SPATULA, stainless steel, various sizes

Cat. No.	Types
19033/1	Flat
19033/2	with Spoon
19033/3	Chatway
19033/4	Trula
19033/5	Nuffield


BEEHIVE SHELVES, porcelain


Cat. No.	Diameter
19038/1	60mm
19038/2	70mm
19038/3	85mm
19038/4	100mm

MORTAR & PESTLE, porcelain


Cat No.	Diameter
19034/1	75mm
19034/2	100mm
19034/3	125mm
19034/4	150mm
19034/5	175mm
19034/6	200mm

SILICA CRUCIBLE, with lid, tall / low form, with / without lid


Cat No.	Capacity
19039/1	15ml
19039/2	25ml
19039/3	50ml
19039/4	80ml

EVAPORATING DISH, porcelain


Cat No.	Diameter
19035/1	25mm
19035/2	50mm
19035/3	75mm
19035/4	100mm
19035/5	125mm

WATER STILL, stainless steel body, electrically operated, fitted with easily replaceable heaters.


Cat No.	Output/hr	Rating Kw
19040/1	2ltr	2.0
19040/2	4ltr	4.0

McCARTNEY BOTTLE, soda glass,
with aluminium screw cap and rubber liner



Cat No.	Capacity
19041/1	14ml
19041/2	28ml

SPECIMEN JAR, with bakelite screw cap, soda glass



Cat No.	Capacity
19046/1	250ml
19046/2	500ml
19046/3	1000ml

REAGENT BOTTLE, with flat glass stopper, soda glass,
clear/amber color



Cat. No.	Capacity
19042/1	125ml
19042/2	250ml
19042/3	500ml
19042/4	1000ml

TROUGH GLASS, soda glass



Cat. No.	Dia x Height
19047/1	20x10cm
19047/2	15x10cm
19047/3	25x10cm

BELL JAR STOPPERED, soda glass



Cat. No.	Ht. x Dia.
19043/1	20x10cm
19043/2	22.5x15cm

PASTEUR PIPETTE, with rubber teat, neutral glass



Cat. No.	Length
19048/1	145 mm
19048/2	230 mm

DROPPING BOTTLE, TK pattern, soda glass, clear/amber color



Cat No.	Capacity
19044/1	30ml
19044/2	60ml
19044/3	125ml

LABORATORY JACK, sheet metal, mild steel, powder coated.



Cat. No.	Size
19049/1	12x14cm
19049/2	15x20cm
19049/3	20x20cm
19049/4	25x25cm

WOULF'S BOTTLE, 2 necked, soda glass



Cat No.	Capacity
19045/1	250ml
19045/2	500ml

ROTARY MICROTOME



heavy base with knife holder. This Microtome can be set to cut tissue sections from 1 micron to 50 micron thickness. A razor of 120mm is supplied along with. The razor can be tilted upto 30° on a reference scale.

Cat. No.	19050
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RETORT STAND, cast iron base, painted, with 12mm dia chrome plated rod



Cat. No.	Base Size
19051/1	160x100mm
19051/2	200x125mm
19051/3	250x160mm

RETORT STAND, pressed sheet metal base, powder coated, with 12mm dia chrome plated rod



Cat No.	Base Size
19052/1	160x100mm
19052/2	200x125mm
19052/3	250x160mm

TEST TUBE STAND, stainless steel/aluminium sheet

Cat No.	Size (hole dia x no. of holes)
19053/1	12x18
19053/2	15x18
19053/3	18x12
19053/4	25x12



SAFETY GOGGLES, plastic

Cat No. 19054



BOSS HEAD, die cast metal alloy, for rod dia upto 16mm

Cat No. 19055



BOSS HEAD, sheet metal, zinc plated, for rod dia upto 16mm

Cat No. 19056



BURETTE CLAMP, sheet metal, powder coated, built in boss head



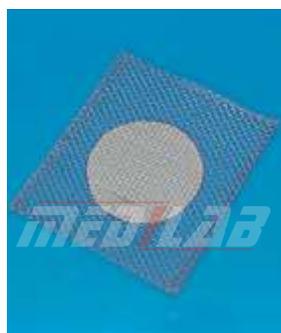
Cat No.	Type
19057/1	Single
19057/2	Double

94TRIPOD STAND, triangular top painted with zinc plated legs, height 200mm



Cat. No.	Side of Triangle
19058/1	125mm
19058/2	150mm

95WIRE GAUZE, iron



Cat No.	Size
19059/1	125mm
19059/2	150mm

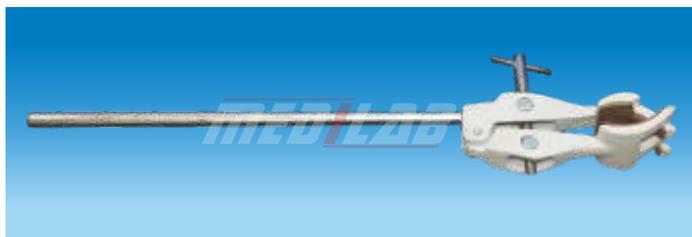
UNIVERSAL CLAMP, holding capacity 12 to 50mm

Cat No. 19060



RETORT CLAMP, four pronged, clamping capacity upto 70mm

Cat No. 19061



RETORT CLAMP, four pronged, clamping capacity upto 90mm

Cat No. 19062



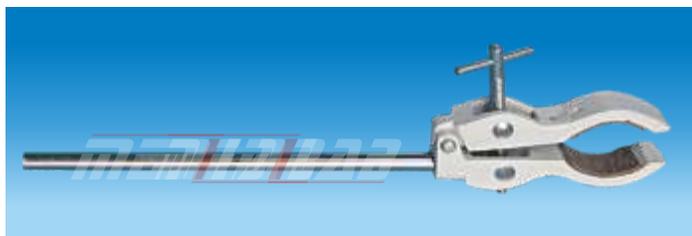
RETORT CLAMP, three pronged, clamping capacity upto 90mm

Cat. No. 19063



RETORT CLAMP, two pronged, clamping capacity upto 15mm to 60mm

Cat No. 19064



RETORT RING, with sheet metal boss head

Cat No.	Ring Dia
19065/1	55mm
19065/2	75mm



DISSECTING SET, consists of 14 instruments, stainless steel, packed in rexine pouch bag.

Cat No. 19066



GAS TAP, brass, painted

Cat No. Type

19067/1 1 way

19067/2 2 way

19067/3 3 way



METAL TRAY

Cat No. Size

19068/1 20x30x2cm

19068/2 30x40x4cm



E.S.R. STAND



Cat No. Capacity

19069/1 for 6 tubes

19069/2 for 12 tubes

CROSS AND SHADOW TUBE



a star shaped object obstructing the path of cathode rays casts its shadow on the fluorescent painted wall facing cathode rays.

Cat No. 19070

DROPPING BOTTLE STAND, polished wood for dropping bottles of 60ml. each

Cat No.	Capacity
19071/1	for 6 bottles
19071/2	for 12 bottles



BURETTE STAND



made of polished wood, with moulded plastic clamping screw. Base 20x10cm, for single burette

Cat No. 19072

FUNNEL STAND



made of polished wood to hold funnel. Base 20x10cm.

Cat No. 19073

MANOMETER STAND



wooden polished stand to hold U-shaped glass manometer. Size 40cm height x 8cm wide

Cat No. 19074

METER SCALE, made of hard wood, polished with clear printing. Printing in various types like horizontal, vertical, both side scale in mm and inches.

Cat No.	Length
19075/1	1 meter long
19075/2	50cm. long



TEST TUBE STAND



with drying pegs, made of hardwood with single row of holes

Cat. No. 19076/1 for 6 test tubes with 6 pegs, 2 holes of 32mm and 4 holes of 22mm diameter

Cat. No. 19076/1 for 12 test tubes with 12 pegs, 2 holes of 32mm and 10 holes of 22mm diameter

SPECIFIC GRAVITY HYDROMETER



Cat No.	Range
19077/1	0.700 to 1.000 for light liquid
19077/2	1.000 to 2.000 for heavy liquid

MAXIMUM & MINIMUM THERMOMETER



reset push button type, temperature range -30 to 50° C, Zeal type

Cat No. 19078

MAXIMUM & MINIMUM THERMOMETER



with permanent magnet, range -30 to 60° C

Cat No. 19079

THERMOMETER MERCURY



yellow back, 300mm long

Cat No.	Temp. Range °C
19080/1	0 to 50
19080/2	-10 to 110
19080/3	-10 to 150
19080/4	0 to 250
19080/5	0 to 360

Note: White back thermometers also available

THERMOMETER ALCOHOL (Red)



yellow back, 300mm long

Cat No.	Temp. Range °C
19081/1	0 to 50
19081/2	-10 to 110
19081/3	-10 to 150
19081/4	0 to 250
19081/5	0 to 360

Note: White back thermometers also available

WALL THERMOMETER



mounted on plastic frame, range -10 to 50°C

Cat No.	Width x Height
19082/1	4 x 19cm., Small
19082/2	6 x 40cm., Big

WET & DRY BULB HYGROMETER



mounted on plastic base, range -10 to 50° C, Zeal type

Cat No.	19083
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WET & DRY BULB HYGROMETER



mounted on plastic base, range -10 to 50° C.

Cat No.	19084
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HAND CENTRIFUGE



Cat No.	Tubes Capacity
19085/1	2x15ml
19085/2	4x15ml

CENTRIFUGE MEDICO



swinging out rotor head with five step speed regulator, operates on 220-240V AC, 50Hz, maximum RPM 3600

Cat No.	Tubes Capacity
19086/1	4x15ml.
19086/2	6x15ml.
19086/3	8x15ml.

CENTRIFUGE CLINICAL



fixed head angle rotor head with five step speed regulator, operates on 220-240V AC, 50Hz, maximum RPM 3800

Cat No.	Tubes Capacity
19087/1	4x15ml.
19087/2	6x15ml.
19087/3	8x15ml.

KJELDHAL DIGESTION UNIT

complete with heating shelf, fume duct, stand and glass flasks. The heater have individual switches with energy regulator. Flask capacity 500ml. Operates on 220-240V AC 50Hz.

Cat No.	Type
19088/1	Units of 3 test
19088/2	Units of 6 test



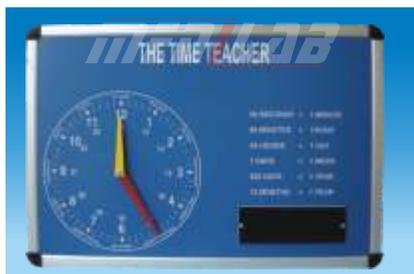
HOT AIR OVEN, double walled construction, inner chamber made of stainless steel, outer made of mild steel sheet duly powder coated, temperature is controlled by thermostat. Operates on 220-240V AC, 50Hz.



Cat No.	Chamber Size
19089/1	30x30x30cm.
19089/2	40x40x40cm.
19089/3	45x45x45cm.
19089/4	60x45x45cm.

Digital temperature indicator cum controller (fitted optional).

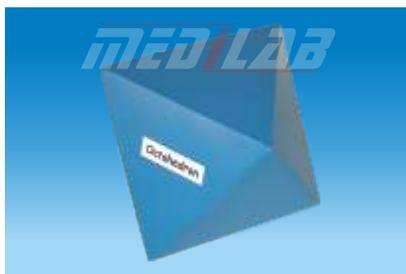
TIME TEACHER



Demonstration type, overall size 60 x 40 cm with table stand. To teach 24-hours time concept and format.

Cat No. 19251

3-D MODEL OF OCTAHEDRON



Construction as M-41. Eight equal triangular faces

Cat No. 19256

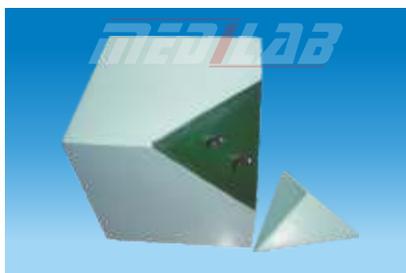
DICE LARGE, WOODEN



Large size, wooden to learn probability

Cat No. 19252

3-D MODEL OF PYRAMID SECTION FROM A CUBE



Large 30 cm, section of two parts showing pyramid section.

Cat No. 19257

ABACUS JUNIOR 10-ROWS



Horizontal 10 rows, 2 colors each containing 10 Plastic beads fitted on stand & wooden frame.

Cat No. 19253

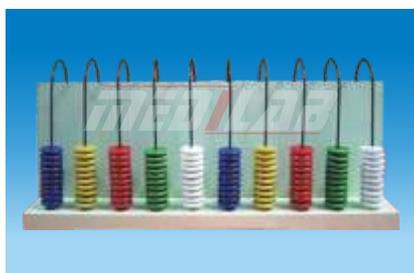
3-D MODEL OF SPHERE, SECTION IN TWO HEMISPHERES



15 Cm. dia. made out of medium density fiber board. Sphere is sectioned in two parts

Cat No. 19258

ABACUS-10 ROWS / PLACE VALUE BOARD



Same as M-17 but 10-rows to solve whole number to billion, decimal to 10,000 and number system & including comma, decimal points etc.

Cat No. 19254

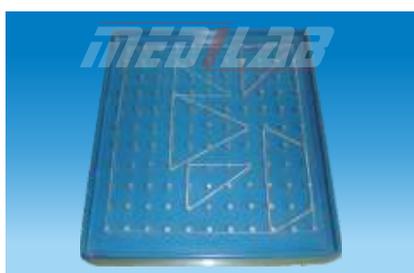
GEOMETRICAL MODELS



Set of 12, wooden size (10 x 15 Cm.) technically perfect.

Cat No. 19259

M-31 GEO BOARD (JUNIOR) DOUBLE SIDED



Sturdy board with square pin array on one side and circular pins fitted on other side, supplied with rubber bands.

Cat No. 19255

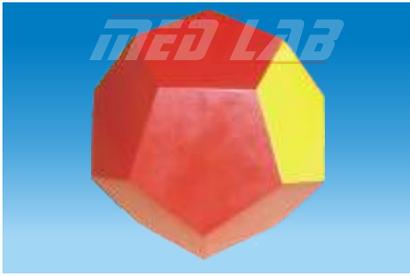
AREA OF RIGHT ANGLE TRIANGLE (MAGNETIC)



Set of 4 parts.

Cat No. 19260

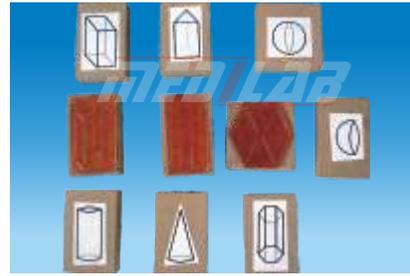
3-D MODEL OF DODECAHEDRON



Made of medium density fiber board 12 Pentagonal faces.

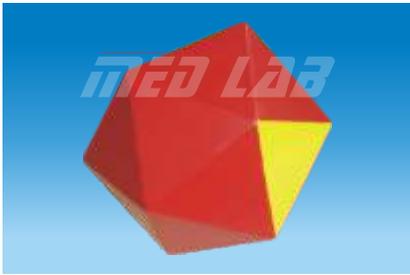
Cat No. 19261

GEO SOLID STAMPS



Cat No. 19266

3-D MODEL OF ICOSAHEDRON



Made of medium density fiber board 20 triangles faces.

Cat No. 19262

CLINOMETER:



Mathematical instruments to measure the angle of elevation/depression of an object.

Cat No. 19267

WOODEN BLOCKS 50 MM



Cat No. 19263

PRISMS VARIOUS, made of wood duly painted.



Cat No. 19268

FRACTION CIRCLE



Cat No. 19264

PYRAMID VARIOUS, made of wood duly painted.



Cat No. 19269

BLACK BOARD INSTRUMENTS BOX



Cat No. 19265

3-D Model of Cone, section in 5 parts :



Large size having 5 parts showing truncated, frustum, hyperboloid and paraboloid.

Cat No. 19270

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Searle's Thermal Conductivity	44	Steam Heater/Generator	45	Wire Gauze	74
Separating Funnel	14,32	Stirrers	32		
Seperatory Funnel Holder	21	Stool Container	26		
Service Oscillator	59	Stop Clock	69		
Silica Crucible	72	Stopcocks	4,5,23		
Silicon Tubing	71	Stoppers, Glass	6		
Simple Cell Pot	34	Storage Boxes	34		
Simple Glands	10	Storage Vial	26,27		
Sintered Crucible	2	Suction Apparatus	69		
Sintered Disc	2	Syphon	37		
Slide Box	24,54				



MACHINED COMPONENTS AND MECHANICAL ASSEMBLIES:

We have a well equipped machine shop having CNC Turning Centre, automatic lathes and conventional machines, supported by an assembly section. We produce precision machined/turned components made of ferrous and non-ferrous metal like brass, aluminum, stainless steel, teflon as per customer's requirements. We can design, develop and produce mechanical assemblies for Medical Instruments, Scientific Instruments and other Industrial products. We can also produce sheet-metal fabrications and press-tools for sheet-metal components.



BOROSILICATE GLASSWARE:

We undertake development of Glass Assemblies of various sizes as per customer's designs, fabricated in low expansion Borosilicate Glass. Different heating arrangements for different assemblies can also be developed as per customer's requirement.



OPTICAL COMPONENTS AND OPTO-MECHANICAL ASSEMBLIES:

We undertake manufacturing of optical components like Prisms, Lenses, Wedges, Mirrors, Filters, Graticules as per desired specifications. We can also design and manufacture Opto-mechanical Assemblies as per the customer requirements. Binocular-heads, Stereoscopic-heads, Zoom stereoscopic heads, Eye-pieces, Objectives etc. are some of the assemblies we are already making for various fields.

NOTE: Due to continuous improvements in our products, the company reserves the right to change the specifications of the products listed in this catalogue without notice.

GLIMPSE OF OUR MANUFACTURING FACILITIES



Assembly Section



Automatic Lathes



CNC Turning Centre



Machine Shop



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