

Abdos
www.abdoslabware.com

LABWARE CATALOGUE
2013-14





Abdos Labware: Roorkee Plant

Welcome to the latest edition of Abdos Labtech product catalog.

Abdos Group started its journey towards excellence in the year 1967. The group is into specialty packaging, FMCG, warehousing & logistics and now plastic labware. Our associations include global companies like Hindustan Unilever and Indian Conglomerates such as TATA and Videocon Industries.

Abdos Labtech Pvt Limited established in 2009 manufactures high quality plastic labware under state-of-the-art manufacturing facility in Roorkee, Uttarakhand about 4 hours from India capital New Delhi.

We would like to build our reputation as a company that manufactures high quality products with excellent service levels through proper accreditation and certification. It is our goal that our customers not only receive quality product but also the very best in customer support and after sales services.

We are an ISO 9001:2008 Certified Company and follow intense quality control measures with periodic reviews to ensure our plant and maintenance system run effectively and efficiently leaving no compromise on the quality served to our end user. In line with our quality policy Abdos is constantly upgrading its manufacturing and quality process and this year is no different with the introduction of world-class clean room facility and a 40,000 square feet warehouse so that our customers never face service concerns.

This catalog demonstrates a real depth in our product range and covers a large aspect of the end users needs. This edition of the catalog has been segregated in five different sub categories that include Disposables, Reusable, Organizers, Equipment and Utilities. This edition of the catalog will see new products across all sub categories. PCR family, 0.5 - 10 µl Micro Tips, unique range of Rotator and Multi-Combination Racks together with high quality Shakers will be some of the new notable products in this year's catalog. We are constantly evaluating new products keeping in mind new areas of research and the need of all end users.

We would like to thank our customers and channel partners for their continuous support and hope that Abdos products would be their first choice for the future.



DNV BUSINESS ASSURANCE MANAGEMENT SYSTEM CERTIFICATE

Certificate No. 70874-2010-AQ-IND-RvA Rev. 01

This is to certify that

ABDOS LABTECH PRIVATE LIMITED

at

Registered Office: 13 A, Government Place (East), 2nd Floor,
Kolkata – 700 069, West Bengal, INDIA
Head Office: Unit No.721, 7th Floor DLF Tower 'A' DDA District Centre,
Jasola, New Delhi – 110 044, INDIA
Works: Plot No - 1, Shivganga Industrial Estate, Lakeshwari, Bhagwanpur,
Roorkee - 247 667, Distt. Haridwar, Uttarkhand, INDIA

has been found to conform to the Quality Management System Standard:

ISO 9001:2008

This certificate is valid for the following scope:

MANUFACTURE AND MARKETING OF PLASTIC LABWARE

Initial Certification date:
04 February 2010

This Certificate is valid until:
03 February 2016

The audit has been performed under the supervision of:

Amitabh Sharma
Lead Auditor

Place and date of issue:
Chennai, 17 January 2013

for the Accredited Unit:
DET NORSE VERITAS CERTIFICATION B.V.,
THE NETHERLANDS



Bhupalam Ajit
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement & the annexure to this certificate may render this Certificate invalid.

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ISSUED BY: DET NORSE VERITAS AS, EMEREN CHAMBERS, 10, C.S.T. ROAD, SANTACRUZ (E), MUMBAI - 400 098, INDIA - www.dnv.com / www.dnvinia.com

Abdos



POLICY

“We at Abdos, promise to provide complete consumer satisfaction by emphasizing strongly on continual improvement through lean business processes with the engagement of employees at all levels.”

OBJECTIVE

We are committed to provide best quality products to our consumers at best possible prices.

We will strive to innovate and respond creatively and competitively to changes in external environment and technological advancement.

We believe our strength lies in our employees and we are ever so willing to give them training, equipment and tools to empower them to be confident of quality.

We conduct periodic reviews to ensure our plant and maintenance systems run effectively and efficiently so that there is no compromise on quality.

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DISPOSABLES



1. Micro Centrifuge Tubes, PP



- Abdos micro centrifuge tubes are made from highest quality of virgin polypropylene.
- Abdos Micro Centrifuge Tube are RNase, DNase & Pyrogen free for safer use in molecular biology and other biochemical applications.
- These tubes can be used in very low temperature and with various organic solvents.
- These tubes are with integral snap cap.
- Frosting on the surface of the tubes makes writing easier.
- Large moulded in graduations makes identification easy.
- Maximum RCF 20000.
- Can be autoclaved.
- Amber colour micro centrifuge tubes suitable for light sensitive samples do not allow any light to pass through the samples.

Micro Centrifuge Tubes, Natural

Code	Capacity (ml)	Outer Diameter (mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 48 Case (Rs.)	Price/ 96 Case (Rs.)
P10201	0.5	10	31.5	1000	525	24444	47376
P10202	1.5	13	41	500	325	15132	29328
P10203	2.0	13	41	500	360	16762	32486

Micro Centrifuge Tubes, Coloured & Amber

Code	Capacity (ml)	Outer Diameter (mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P10207	0.5 Coloured	10	31.5	1000	625	7275	14100
P10201A	0.5 Amber	10	31.5	1000	650	7566	14664
P10204	1.5 Coloured	13	41	500	360	4190	8122
P10204A	1.5 Amber	13	41	500	380	4423	8573
P10205	2.0 Coloured	13	41	500	420	4889	9475
P10203A	2.0 Amber	13	41	500	450	5238	10152

*P10207, P10204 & P10205 is available in Red, Blue, Yellow and Green

2. Micro Pestles, PP

1. Abdos disposable micro pestle are made from the highest quality of virgin polypropylene.
2. These are excellent for resuspending bacterial cells, precipitates of nucleic acids or proteins and pellets of other material.
3. Can be autoclaved.



Code	Length (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 12Case (Rs.)	Price/ 24 Case (Rs.)
P10206	85	10	250	2910	5640



3. Centrifuge Tubes Conical Bottom, PP/HDPE

- Large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Blue colour screw cap.
- Option of Amber colour for light sensitive sample.
- Build in plug in the cap makes it leak proof.
- Free from natural rubber, heavy metal.
- Radiation sterilized.
- Maximum RCF 12000.
- Can be autoclaved.
- DNase, RNase and Pyrogen free.

Centrifuges Tubes, Natural

Code	Capacity (ml)	Cap Colour	Outer Diameter (mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P10401	15	Blue	16.5	120.4	500	3125	30313	58750
P10402	15 (Sterile)	Blue	16.5	120.4	500	3350	32495	62980
P10403	50	Blue	29.2	115.5	500	3950	38315	74260
P10404	50 (Sterile)	Blue	29.2	115.5	500	4900	47530	92120

Centrifuges Tubes, Amber

Code	Capacity (ml)	Cap Colour	Outer Diameter (mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P10405	15 (Amber)	Blue	16.5	120.4	500	4200	20370	39480
P10406	15 (Sterile Amber)	Blue	16.5	120.4	500	4600	22310	43240
P10407	50 (Amber)	Blue	29.2	115.5	500	5500	26675	51700
P10408	50 (Sterile Amber)	Blue	29.2	115.5	500	6500	31525	61100

4. Self Standing Centrifuge Tubes, PP/HDPE

- Abdos centrifuge tubes self standing are manufactured in state of the art moulded facility using high purity virgin polypropylene.
- Self-standing tubes make it easy to use.
- Large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Build in plug in the cap makes it leak proof.
- Free from natural rubber, heavy metal.
- Radiation sterilized.
- Maximum RCF 3500.
- Can be autoclaved.
- DNase, RNase and Pyrogen free.



Code	Capacity (ml)	Cap Colour	Outer Diameter (mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P10423	50	Blue	29.2	117.3	500	4325	20976	40655
P10424	50 (Sterile)	Blue	29.2	117.3	500	5225	25341	49115

5. Racked Centrifuge Tube Conical Bottom, EPS



- These racks are designed to hold Centrifuge Conical Bottom.
- These racks are made out of expanded polystyrene to hold 50 Abdos 15ml Conical Bottom Centrifuge Tube and 25 Abdos 50ml Conical Bottom Centrifuge Tube respectively.
- These racks designate a convenient solution for storing Abdos Centrifuge Tube.
- Placement of tubes are in zigzag format for easy dispensing.

Code	Capacity (ml)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P10409	15 (Rack only)	47	10Pcs	600	2910	5640
P10410	50 (Rack only)	48	10Pcs	600	2910	5640
P10411	15 (Racked)	125	50pcs x 2 racks	850	4123	7990
P10412	15 (Racked, Sterile)	125	50pcs x 2 racks	925	4486	8695
P10413	15 (Amber, Racked)	125	50pcs x 2 racks	1150	5578	10810
P10414	15 (Sterile Amber, Racked)	125	50pcs x 2 racks	1200	5820	11280
P10415	50 (Racked)	123	25pcs x 2 racks	600	2910	5640
P10416	50 (Racked, Sterile)	123	25pcs x 2 racks	700	3395	6580
P10417	50 (Amber, Racked)	123	25pcs x 2 racks	800	3880	7520
P10418	50 (Sterile Amber, Racked)	123	25pcs x 2 racks	925	4486	8695

6. Centrifuge Tubes Conical Bottom, PS/HDPE

- Large white frosted portion for easy writing.
- Silk-Screen graduation makes identification easy.
- Blue colour screw cap.
- Build in plug in the cap makes it leak proof.
- Radiation sterilized.
- Maximum RCF 2500.



Code	Capacity (ml)	Cap Colour	Outer Diameter (mm)	Height (mm)	No. per Case	Price/ Case (Rs.)	Price/5 Case (Rs.)	Price/ 10 Case (Rs.)
P10419	15 (Sterile)	Blue	16.5	120.4	500	3900	18915	36660
P10421	15 (Racked Sterile)	Blue	16.5	125	50pcs x 2 racks	1000	4850	9400

7. Serological Pipettes Sterile, PS



- Individually wrapped graduated pipettes with paper/plastic peel-pack.
- Unique color-coded plug allows easy size identification & inhibits aerosol contamination.
- Sterile, individually wrapped and certified nonpyrogenic and DNase, RNase-free.
- Lot numbers printed on each pipette wrapper.
- Accuracy within $\pm 2\%$ at full volume.

Code	Length (mm)	Capacity (ml)	No. Per Case	Price/Case (Rs.)
P10601	270	1	500	4600
P10602	270	2	500	4880
P10603	295	5	250	3875
P10604	295	10	200	3330
P10605	298	25	200	7500
P10606	300	50	100	13000

8. Pasteur Pipettes, LDPE

- These unbreakable, non-toxic all-in-one pipettes eliminate the hazard of broken glass and exposure to infectious materials.
- Molded from translucent low-density polyethylene which are inert to biological fluids and most acids.
- Can be sealed and refrigerated.
- The low-affinity low binding surface reduces the loss of cells and valuable proteins.
- Sterile and non-sterile options available.
- DNase, RNase and Pyrogen free.



Code	Capacity (ml)	Length (mm)	No. Per Case	Price/ Piece (Rs.)	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P31201	1.0	150	500	1.05	525	6111	11844
P31202	1.0 (sterile)	150	500	3.40	1700	19788	38352
P31205	3.0	155	500	1.10	550	6402	12408
P31206	3.0 (Sterile)	155	500	3.50	1750	20370	39480

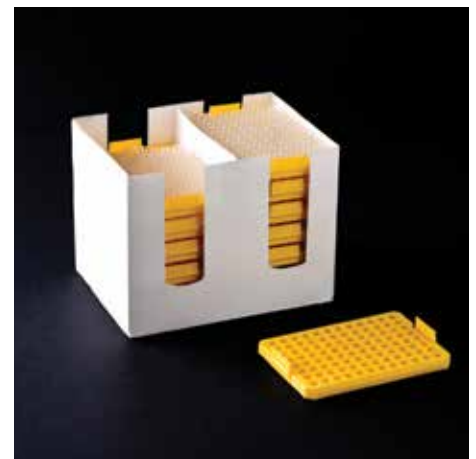
9. Micro Tips, PP



Micro Tips - BULK, PP



Micro Tips - Racked, PP



Micro Tips - Refill Pack, PP

- Abdos Tips are manufactured in state of art precision-moulded facility using high purity virgin polypropylene.
- Micro Tips are DNase, RNase and Pyrogen free.
- Designed for use in a wide variety of pipetting applications and are compatible with different types of u-Pipettes.
- Clean and the hydrophobic surface ensures low retention, increased accuracy and reproducibility.
- More transparency for clear visualization in molecular biology work.
- High clarity and finer tip orifice makes the tip more suitable for molecular biology and precise applications.
- Perfect airtight grip on pipette by inner radial rings for accurate pipetting.
- The orifice is precisely centered for directional accuracy.
- Can be autoclaved.

Abdos Micro Tips are compatible to the following brand of single & multi-channel pipettes:

- Eppendorf Research Pro, Research & Reference
- Thermo Finnpiptette
- Biohit Proline, M-Line & E-Line
- Gilson Pipetman, Pipetman Ultra & Neo.
- Cap Aero
- Brand
- Hamilton
- Rainin
- Nichiryo
- Socorex
- Labnet Excel & Labpette Discovery
- Abdos Premium & Premium Plus

Abdos Micro Tips are Universal and is compatible with various other brands of pipettes.

Micro Tips - BULK, PP

Code	Capacity (µl)	Colour	No. Per Case	Price/Case (Rs.)	Price/48 Case (Rs.)	Price/96 Case (Rs.)
P10115 *	0.5 - 10	Natural	1000	450	20952	40608
P10101	2-200	Yellow	1000	300	13968	27072
P10105	2-200	Natural	1000	300	13968	27072
P10102	100-1000	Blue	500	200	9312	18048
P10106	100-1000	Natural	500	200	9312	18048

Micro Tips - Racked, PP

Code	Capacity (µl)	Colour	No. Per Case	Price/Case (Rs.)	Price/5 Case (Rs.)	Price/10 Case (Rs.)
P10116 *	Racked Micro Tips 0.5 - 10	Natural	10 Racks x 96 pcs (960 pcs)	1500	7275	14100
P10107	Racked Micro Tips 2-200	Yellow	10 Racks x 96 pcs (960 pcs)	1300	6305	12220
P10108	Racked Micro Tips 2-200	Natural	10 Racks x 96 pcs (960 pcs)	1300	6305	12220
P10109	Racked Micro Tips 100 - 1000	Blue	10 Racks x 96 pcs (960 pcs)	1500	7275	14100
P10110	Racked Micro Tips 100 - 1000	Natural	10 Racks x 96 pcs (960 pcs)	1500	7275	14100
P10117 *	Racked Micro Tips 0.5 - 10 Sterile	Natural	10 Racks x 96 pcs (960 pcs)	1750	8488	16450
P10111	Racked Micro Tips 2-200 Sterile	Yellow	10 Racks x 96 pcs (960 pcs)	1650	8003	15510
P10112	Racked Micro Tips 2-200 Sterile	Natural	10 Racks x 96 pcs (960 pcs)	1650	8003	15510
P10113	Racked Micro Tips 100 - 1000 Sterile	Blue	10 Racks x 96 pcs (960 pcs)	1850	8973	17390
P10114	Racked Micro Tips 100 - 1000 Sterile	Natural	10 Racks x 96 pcs (960 pcs)	1850	8973	17390

Micro Tips - Refill Pack, PP

Code	Capacity (µl)	Colour	No. Per Case	Price/Case (Rs.)	Price/10 Case (Rs.)	Price/20 Case (Rs.)
P10118*	Refill Micro Tips 0.5 - 10	Natural	10 Refill Racks x 96 Pcs (960 pcs)	1075	10428	20210
P10119	Refill Micro Tips 2 - 200	Yellow	10 Refill Racks x 96 Pcs (960 pcs)	925	8973	17390
P10120	Refill Micro Tips 2 - 200	Natural	10 Refill Racks x 96 Pcs (960 pcs)	925	8973	17390
P10121	Refill Micro Tips 100 - 1000	Blue	10 Refill Racks x 96 Pcs (960 pcs)	1100	10670	20680
P10122	Refill Micro Tips 100 - 1000	Natural	10 Refill Racks x 96 Pcs (960 pcs)	1100	10670	20680

*Available From August 2013

10. Cryo Vial External Threaded Sterile, PP



- Abdos Cryo Vials are manufactured in state of art precision moulded facility using high purity virgin polypropylene.
- Large white frosted portion for easy writing.
- These Cryo Vials are DNase, RNase and Pyrogen free.
- Graduation in silk-screen printing makes identification easy.
- Build in plug in the cap makes it leak proof.
- Radiation sterilized.
- Can withstand for a longer duration at ultra-low temperature.
- Amber Cryo Vial can be quoted & supplied on request.

Code	Capacity (ml)	Outer Diameter(mm)	Height (mm)	No. Per Case	Price/Case (Rs.)	Price/10Case (Rs.)	Price/20Case (Rs.)
P60115*	1.0 Sterile Star Foot	12	41	1000	3775	36618	70970
P60102	1.8 Sterile Skirted Foot	11.8	47.2	1000	4075	39528	76610
P60116*	1.8 Sterile Star Foot	12	48.5	1000	4125	40013	77550
P60117*	1.8 Sterile Round Bottom	12	47.5	1000	4100	39770	77080
P60103	4.5 Sterile Skirted Foot	11.8	88	500	3350	32495	62980
P60118*	4.5 Sterile Star Foot	12	91.5	500	3400	32980	63920
P60119*	4.5 Sterile Round Bottom	12	90.5	500	3375	32738	63450

*Coloured cryo coders (abdos P60104) are available for quick visual identification of P60102 & P60103 cryo vials.

*Coloured cryo coders (abdos P60114) are available for quick visual identification of P60115, P60116, P60117, P60118 & P60119 cryo vials.

* Available From November 2013

11. Cryo Coders for Skirted Foot External Threaded Vials, HDPE

- These coders fit onto the top of 'Abdos' skirted foot externally threaded cryogenic vial closures.
- These provide quick visual identification of specific vials to simplify inventory maintenance.
- Available in wide range of colors.



Code	Colour	No. Per Case	Price/Case (Rs.)	Price/Case (Rs.)	Price/10Case (Rs.)	Price/20Case (Rs.)
P60104 W	White	100	1.16	116	1125	2181
P60104 B	Blue	100	1.16	116	1125	2181
P60104 R	Red	100	1.16	116	1125	2181
P60104 Y	Yellow	100	1.16	116	1125	2181
P60104 G	Green	100	1.16	116	1125	2181

12. Cryo Vial Internal Threaded Sterile with Silicone Seal, PP



- Abdos Cryo Vials are manufactured in state of art precision-moulded facility using high purity virgin polypropylene.
- Large white frosted portion for easy writing.
- These Cryo Vials are DNase, RNase and Pyrogen free.
- These Cryo Vials have non-toxic Silicone washer or O - Ring for a secure seal.
- Graduation in silk-screen printing makes identification easy.
- Radiation sterilized.
- Can withstand ultra-low temperature for long duration.
- Star foot base helps in single hand operation.
- Round Bottom Style also available.

Code	Capacity (ml)	Outer Diameter(mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P60108	1.0 Sterile Star Foot	12.3	41.2	500	3250	18915	36660
P60109	1.8 Sterile Star Foot	12.3	47.5	500	3400	19788	38352
P60110	1.8 Sterile Round Bottom	12.3	46.2	500	3375	19643	38070
P60112	4.5 Sterile Star Foot	12.3	90.3	250	2300	13386	25944
P60113	4.5 Sterile Round Bottom	12.3	89	250	2275	13241	25662

*Coloured cryo coders (abdos P60114) are available for quick visual identification of specific cryo vials.

13. Cryo Coders for Internally & Externally Threaded Vials, HDPE

- These coders fit onto the top of 'Abdos' internally threaded cryogenic vial closures.
- These provide quick visual identification of specific vials to simplify inventory maintenance.
- Available in wide range of colors.



Code	Colour	No. Per Case	Price/Piece (Rs.)	Price/Case (Rs.)	Price/10Case (Rs.)	Price/20 Case (Rs.)
P60114 W	White	100	1.16	116	1125	2181
P60114 B	Blue	100	1.16	116	1125	2181
P60114 R	Red	100	1.16	116	1125	2181
P60114 Y	Yellow	100	1.16	116	1125	2181
P60114 G	Green	100	1.16	116	1125	2181

14. Storage Vial, PP



- Manufactured in state of the art moulding facility using high purity virgin polypropylene.
- Used for storage of PCR reagents, enzymes and other diagnostics and biochemical reagents or sample.
- HDPE screw closure is leak proof.
- Can be used for low temperature.

Storage Vial, Natural

Code	Capacity (ml)	Outer Diameter(mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 10Case (Rs.)	Price/ 20Case (Rs.)
P60106	2.0	11.80	47.2	1000	2200	21340	41360
P60107	5.0	11.80	88	1000	5050	48985	94940

Storage Vial, Amber

Code	Capacity(ml)	Outer Diameter(mm)	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P60106 A	2.0 Amber	11.80	47.2	1000	3400	19788	38352
P60106 A1	2.0 Transparent Amber	11.80	47.2	1000	3400	19788	38352
P60107A	5.0 Amber	11.80	88	1000	7550	43941	85164
P60107A1	5.0 Transparent Amber	11.80	88	1000	7550	43941	85164

15. Sample Container, PP/HDPE

- Ultra clear polypropylene container with polyethylene leak proof screw cap.
- Frosted portion for easy writing.
- Clear and easy to read graduations.
- Non-Sterile container has tear off cap sleeve for highest level of hygiene.
- Sterile container is individually packed in polyethylene pouch.



Code	Capacity (ml)	Cap Colour	Sub Division (ml)	Height (ml)	No. Per Case	Price/ Each (Rs.)	Price/ Case (Rs.)
P40101	50	Blue, Red & White	10	58	450	5	2250
P40102	50 (Sterile)	Blue, Red & White	10	58	450	6.75	3038
P40103	100	Blue, Red & White	20	76	230	6.5	1495
P40104	100 (Sterile)	Blue, Red & White	20	76	230	8	1840

To choose from the various range of colours on offer please refer to the below mentioned product codes For **White** add "W" or For **yellow** add "Y" OR For **blue** add "B" to the respective product code.

16. Ria Vial & Cap



- Abdos Ria Vials are polypropylene/polystyrene tubes generally used in Radioimmuno Assay—a scientific method used to test antigens (for sample, hormone levels in the blood) without the need to use a bioassay.
- Abdos Ria Vial PP are clear and can withstand 3000 RCF during centrifugation while the transparent polystyrene 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.
- Abdos Ria Vials PP are autoclavable while PS tubes are non-autoclavable.

Ria Vial

Code	Ø x h(mm)	Material	Height (mm)	No. Per Case	Price/ Each (Rs.)	Price/60 Case (Rs.)	Price/100 Case (Rs.)
P10301	12 x 75	PP	75	500	375	21825	35250
P10303	12 x 75	PS	75	500	375	21825	35250
P10305	12 x 40	PP	40	500	280	16296	26320
P10306	12 x 40	PS	40	500	280	16296	26320

Ria Vial Cap

Code	Ø (mm)	Material	No. Per Case	Price/ Each (Rs.)	Price/48 Case (Rs.)	Price/96 Case (Rs.)
P10304	12	HDPE	500	200	9312	18048

* Ria Vial Cap can be available in various colours upon request.

Amber Ria Vial

Code	Ø x h(mm)	Material	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/60 Case (Rs.)	Price/100 Case (Rs.)
P10301A	12 x 75	PP Amber	75	500	460	26772	43240
P10301A1	12 x 75	PP Transparent Amber	75	500	460	26772	43240
P10305A	12 x 40	PP Amber	40	500	360	20952	33840
P10305A1	12 x 40	PP Transparent Amber	40	500	360	20952	33840

Amber Ria Vial Cap

Code	Ø (mm)	Material	No. Per Case	Price/ Each (Rs.)	Price/48 Case (Rs.)	Price/96 Case (Rs.)
P10304A	12	HDPE Amber	500	240	11174	21658
P10304A1	12	HDPE Transparent Amber	500	240	11174	21658

17. PCR Tubes, PP



- Abdos PCR tubes are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Abdos PCR tubes have Ultra thin walls.
- The caps are optically clear for real time qPCR.
- DNase, RNase, DNA, Endotoxin and PCR inhibitor free.

Code	Capacity (ml)	Type	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 20 Case (Rs.)	Price/ 40 Case (Rs.)
P10701	0.2	Clear Flat Cap	21.50	1000	2100	40740	78960
P10702	0.2	Domed Cap	23.16	1000	2100	40740	78960

18. 0.2 ML PCR Tubes strip of 8 caps, PP

- Abdos PCR Tubes strip are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- These have attached strip of 8 caps which is easy and fast to open and close.
- DNase, RNase and Pyrogen and DNA, PCR inhibitor free.
- Abdos PCR tubes have uniform ultra thin walls.
- The caps are optically clear for real time qPCR.



Code	Capacity (ml)	Type	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P10703	0.2 Standard Cap	Optically Clear Flat Cap	21.50	125 strips	5100	49470	95880

19. Snap Strips PCR Tubes, PP



- Abdos Snap Strips PCR Tubes are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Snap Strips are 0.2 ml 8 strips of PCR tubes that have individually attached domed or flat caps.
- Snap Strips easily break into smaller strips if required.
- DNase, RNase, DNA, Pyrogen and PCR inhibitor free.
- Abdos Snap Strips Tube have uniform thin walls.
- These strips are optically clear for real time qPCR.

Code	Capacity (ml)	Type	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P10704	0.2 Standard	Dome, Clear	23.20	120 strips	4500	43650	84600
P10705	0.2 Standard	Optically Clear Flat	21.60	120 strips	5200	50440	97760

20. Strip Tubes without Cap - 8 strips & 12 strips, PP



- Abdos Strips PCR Tubes are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Abdos Strip Tubes have uniform ultra thin walls in strips of 8 and 12.
- Optically clear for real time qPCR.
- Strip Tubes are available in both Standard and Low Profile Wells.
- DNase, RNase, DNA, Endotoxin and PCR inhibitor free.

Code	Capacity (ml)	Type	Height (mm)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case(Rs.)	Price/ 20 Case (Rs.)
P10706	0.2	8 Strip Standard Tubes	20.70	125 strips	4100	39770	77080
P10708	0.2	8 Strip Low Profile Tubes	16.10	125 strips	3900	37830	73320
P10707	0.2	12 Strip Standard Tubes	20.70	80 strips	5100	49470	95880

21. Strip Caps, PP



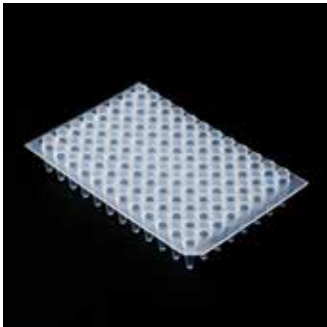


- Abdos Strips PCR Caps are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Abdos Strip Caps have uniform ultra thin walls in strips of 8 and 12.
- Optically clear caps for real time qPCR.
- Strip Caps are available both in Flat and Domed.
- DNase, RNase, DNA, Endotoxin and PCR inhibitor free.



Code	Capacity (ml)	Type	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P10709	0.2	8 Strip Cap Flat Optically Clear	125 strips	900	8730	16920
P10710	0.2	12 Strip Cap Flat Optically Clear	80 strips	900	8730	16920
P10711	0.2	8 Strip Cap Domed	125 strips	930	9021	17484
P10712	0.2	12 Strip Cap Domed	80 strips	930	9021	17484

22. PCR Plates Family, PP

- Abdos PCR plates are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Kindly see Thermal Cycler Compatibility Chart on Page No.21 & 22
- DNase, RNase, DNA, Endotoxin and PCR inhibitor free.

	Code	Capacity	Type	No. Per Case	Price Case (Rs.)	Price/ 10 Case (Rs.)	Price/20 Case (Rs.)
	P10713	96 Well	Unskirted Standard Well	10 Plates	1575	15278	29610
	P10714	96 Well	Unskirted Low Profile well	20 Plates	3200	31040	60160
	P10715	96 Well	Unskirted Elevated Top Standard Well	10 Plates	2100	20370	39480
	P10722	96 Well	Semi-Skirted low profile	10 Plates	2000	19400	37600
	P10716	96 Well	Semi - Skirted Standard Well	10 Plates	2200	21340	41360

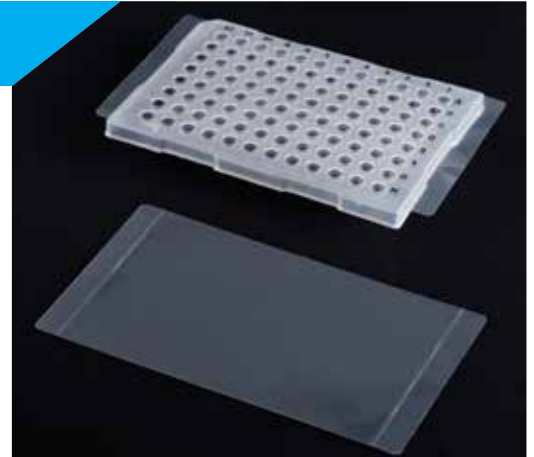


Code	Capacity	Type	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/20 Case (Rs.)
P10723	96 Well	Fully-Skirted Low Profile Well	10 Plates	1950	18915	36660
P10717	384 Well	Fully - Skirted Well	10 Plates	3300	32010	62040



23. Sealing Films, Polyester

- Abdos sealing films are optically clear and are suitable for use in real-time PCR applications.
- The film is adhesive coated and sticks to the plate.
- It can be used for PCR plates.
- Abdos sealing films are disposable and for single use only.



Code	Type	No. Per Case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P10718	Clear Seal Film	100 sheets	10000	29100	56400



24. Sealing Films, Aluminium

- These sealing films are aluminium hence completely opaque and the end user cannot see the contents in the well.
- The film is adhesive coated and sticks to the plate.
- These films are readily pierceable either by manual pipette or by liquid handling robot. Once the hole is pierced the film is no longer self sealing.
- Available in Sterile version also.

Code	Type	No. Per Case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P10719	Silver Seal	100 sheets	6000	17460	33840
P10720	Silver Seal Sterile	50 sheets	6000	17460	33840

25. Sealing Mats, Silicone Rubber



- These mats are made of silicone rubber and designed to seal Abdos 96 well PCR plates.
- The fit of the mat is compression with each well being sealed by a plug which caps the individual well.
- Can be autoclaved.

Code	Type	No. Per Case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P10721	Silicone Sealing Mats	50 mats	19000	55290	107160

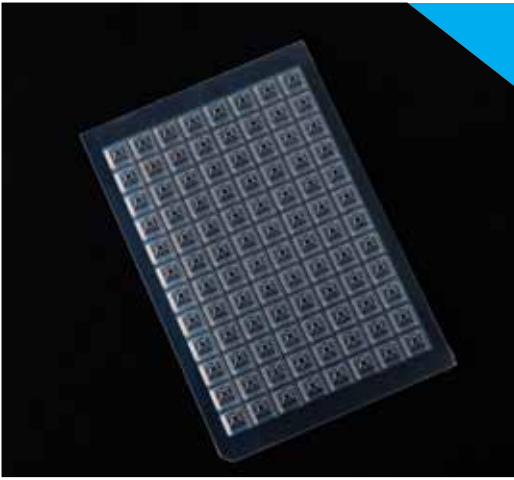
26. Deep Well Plates Family, PP

- Abdos Deep Well plates are manufactured in state of the art precision moulded facility using high purity virgin polypropylene.
- Abdos Deep Well Plates are square with conical base.
- Conical Base helps to minimize dead volumes.
- These are ideal storage vessels.
- Both 1.2 ml and 2.2 ml Deep Well Plates comes with clear alphanumeric indexing.
- 12 Channel Reservoir has a capacity of 22ml.



Code	Capacity (ml)	Type	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P10801	22	Reagent Reservoir	20 Reservoir	12000	58200	112800
P10802	2.2	Deep Well Plates	100 Plates	28200	136770	265080
P10803	1.2	Deep Well Plates	100 Plates	16000	77600	150400

27. Square Sealing Mats for Deep Well Plates Family, Silicone Rubber



- These sealing mats are pierceable.
- These mats are suitable for heat sealing.

Code	Type	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P10804	Square Well Sealing Mats	50 mats	13750	66688	129250

THERMAL CYCLER COMPATIBILITY GUIDE

for ABDOS 96 & 384 Wellplates

Well Shape		P10713 96 Well, Unskirted Standard Well	P10714 96 Well, Unskirted Low Profile Well	P10715 96 Well, Unskirted, Elevated Top, Standard Well	P10722 96 Well, Semi Skirted, Low Profile Well	P10716 96 Well, Semi Skirted, Standard Well	P10723 96 Well, Fully Skirted, Low Profile Well	P10717 384 Well, Full Skirted, Low Profile Well	
Standard well (Overall well height approx 21 mm, Max. capacity > 350L)		•		•		•			
Low Profile well (Overall well height approx 16 mm; Max capacity approx. 200L)			•		•		•	50 µl	
Manufacturer	Thermal Cycler Model								
APPLIED BIOSYSTEMS									
Thermal Cyclers	2700	•		•		•		•	
	9600	•		•		•			
	9700	•		•		•		•	
	9800 "Fast"								
"Real Time" Thermal Cyclers	5700	•				•			
	PRISM 7000	•				•			
	7300	•			•				
	7500	•			•				
	7500 "Fast"								
	7700	•					•		
	7900HT	•			•				
Sequencers	PRISM 310	•		•		•			
	PRISM 3100	•		•		•			
	3130 (XL)	•		•		•			
	3700	•		•		•		•	
	PRISm 3730 (XL)	•		•		•			
AMERSHAM									
Sequencers	Mega BACE 500						•		
	Mega MACE 1000						•		
	Mega BACE 4000							•	
BECKMAN									
Sequencers	CEQ	•							
BIOMETRA									
Thermal Cyclers	Uno	•	•	•		•	•		
	Uno II	•	•	•		•		•	
	T1 Thermal Cycler	•	•	•		•	•	•	
	Tgradient	•	•	•		•	•		
	Trobot	•	•	•		•	•	•	
BIO-RAD / MJ RESEARCH									
Thermal Cyclers	Gene Cycler	•		•					
	PTC -100	•	•	•		•	•	•	
	PTC -200	•	•	•		•	•	•	
	PTC-225 TETERAD	•	•	•		•	•	•	
	DYAD-DYAD Disciple	•	•	•		•	•	•	
	iCYCLER	•		•		•	•		
	MyCycler	•		•		•	•		
	"Real Time" Thermal Cyclers	OPTICON / OPTICON2	•	•				•	
		Chrome 4		•				•	
		ICYCLER	•		•		•	•	•
Myiq		•		•		•	•		
IQ5		•		•		•	•		
Sequencers	BaseStation						•		
CORBETT RESEARCH									
Thermal Cyclers	PamCycler 96	•				•			
	PamCycler 384						•	•	

Plates to SBS Specification foot print. Certified Free From DNase, RNase and Detectable DNA.
 This chart is intended as a guide only. Abdos cannot accept any liability or responsibility for information given.
 PCR is a patented process of Roche Holdings.

Well Shape		P10713 96 Well, Unskirted Standard Well	P10714 96 Well, Unskirted Low Profile Well	P10715 96 Well, Unskirted, Elevated Top, Standard Well	P10722 96 Well, Semi Skirted, Low Profile Well	P10716 96 Well, Semi Skirted, Standard Well	P10723 96 Well, Fully Skirted, Low Profile Well	P10717 384 Well, Full Skirted, Low Profile Well
Standard well (Overall well height approx 21 mm Max. capacity > 350)		•		•		•		
Low Profile well Overall well height approx 16 mm; Max capacity approx. 200			•		•		•	50 µl
Manufacturer	Thermal Cycler Model							
EPPENDORF								
Thermal Cyclers	Mastercycler	•	•	•		•	•	
	Mastercycler Gradient	•		•				
	Mastercycler ep	•	•	•		•	•	
	Mastercycler M384							•
"Real Time" Thermal Cyclers	Mastercycler ep Realplex		•			•		
ERICOM								
Thermal Cyclers	Power Block L	•	•	•	•			
	Deltacycler L	•	•	•		•		
	Deltacycler LL	•	•	•	•			
	Single Block	•	•	•		•		
	Twin Block	•	•	•		•		
ESCO								
	Swift	•		•		•		•
FLEXI								
Thermal Cyclers	Gene	•		•		•	•	•
	Genius	•		•		•	•	
G-STORM								
Thermal Cyclers	GS1	•	•	•	•	•		
	GS4	•	•	•	•	•		
	GSX	•	•	•	•	•		
	GSXs	•	•	•	•	•		
MWG								
Thermal Cyclers	Primus 96	•	•	•	•	•	•	
	Primus 384							•
ROCHE								
	Lightcycler 480							•
STRATAGENE								
Thermal Cyclers	Robocycler 96	•				•		
	Robocycler Gradient	•	•	•	•	•	•	
"Real Time" Thermal Cyclers	Mx4000 and Mx 3000		•	•	•			
TAKARA								
Thermal Cyclers	TP 240						•	
	TP3000	•	•	•	•	•	•	
TECHNE								
Thermal Cyclers	Touchgene	•	•	•	•	•		
	Cyclogene	•	•	•	•	•		
	Genius	•	•	•	•	•		
	Genius Quad	•	•	•	•	•		
	Genius (TC412)	•	•	•	•	•	•	
	Flexigene	•	•	•	•	•	•	•
	Touchgene X	•	•	•	•	•	•	•
	Touchgene Gradient (TC512)	•	•	•	•	•	•	•
	"Real Time" Thermal Cyclers	Quantica		•			•	
	THERMO HYBAID							
Thermal Cyclers	PCR Sprit	•	•	•	•	•	•	
	MBS Satalite (Multiblock)	•	•	•	•	•	•	•
	System	•	•	•	•	•	•	•
	Px2 and PxE	•	•	•	•	•	•	•
	PCR Express and Omni-E	•	•	•	•	•	•	•
	Touchdown	•	•	•	•	•	•	•
	Omnigene	•	•	•	•	•	•	•
TRANSGENOMIC								
Sequencers	WAVE System						•	

Plates to SBS Specification foot print. Certified Free From DNase, RNase and Detectable DNA.
This chart is intended as a guide only. Abdos cannot accept any liability or responsibility for information given.
PCR is a patented process of Roche Holdings.



REUSABLES

28. Beakers without Handle, PP & TPX



- Manufactured in state of the art moulding facility using high purity virgin polypropylene (PP) and polymethylpentene (TPX).
- Used for general laboratory use.
- Tapered stacking style saves space and makes it easy to handle.
- All sizes have easy to read silk-screened graduations.
- Precise pouring spouts.
- Can be autoclaved.

Beakers without Handle, PP

Code	Capacity (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P50601	50	59	12	180	2095	4061
P50602	100	73	12	198	2305	4467
P50603	250	94	12	354	4121	7987
P50604	500	128	6	273	3178	6159
P50605	1000	150	4	394	4587	8889
P50606	2000	192	4	692	8055	15612
P50607	5000	263	2	855	9953	19289
P50608	10000	328	1	765	8905	17259

Beakers without Handle, TPX

Code	Capacity (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P50701	50	59	12	378	2200	4264
P50702	100	73	12	499	2904	5629
P50703	250	94	12	1042	6065	11754
P50704	500	128	6	945	5500	10660
P50705	1000	150	4	1020	5936	11506
P50706	2000	192	4	1645	9574	18556
P50707	5000	263	2	1627	9469	18353
P50708	10000	328	1	1627	9469	18353

29. Beakers with Handle, PP & TPX



- Manufactured in state of the art moulding facility using high purity virgin polypropylene (PP) and polymethylpentene (TPX).
- Used for general laboratory use.
- Rectangular handle for easy carrying and pouring.
- All sizes have easy to read silk-screened graduations.
- Precise pouring spouts.
- Can be autoclaved.

Beakers with Handle, PP

Code	Capacity (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P50802	100	73	6	156	1816	3520
P50803	250	94	6	268	3120	6047
P50804	500	128	6	475	5529	10716
P50805	1000	150	4	653	7601	14732
P50806	2000	192	4	987	11489	22267
P50807	5000	263	2	1085	12630	24478
P50808	10000	330	1	990	11524	22335

Beakers with Handle, TPX

Code	Capacity (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P50902	100	73	6	335	1950	3779
P50903	250	94	6	600	3492	6768
P50904	500	128	6	1089	6338	12284
P50905	1000	150	4	1335	7770	15059
P50906	2000	192	4	1973	11483	22255
P50907	5000	263	2	1728	10057	19491
P50908	10000	330	1	1728	10057	19491

30. Measuring Cylinder, PP Class "B"



- Molded in large, easy to read graduations.
- Molded in highest quality translucent virgin polypropylene.
- Cylinders have generous pour spout for smooth flow of liquid during pouring.
- Hexagonal shape gives stability to the base.
- Can be autoclaved.
- Meets accuracy requirements of class B under "DIN 1261/ISO 6706"

Code	Capacity (ml)	Sub division (ml)	Error limit (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P50301	10	0.2	±0.2	138	12	1240	6014	11656
P50302	25	0.5	±0.5	170	12	1386	6723	13029
P50303	50	1	±1	198	12	1650	8003	15510
P50304	100	1	±1	257	6	1020	4947	9588
P50305	250	2	±2	314	6	1680	8148	15792
P50306	500	5	±5	344	3	1105	5360	10387
P50307	1000	10	±10	412	3	1402	6800	13179
P50308	2000	20	±20	482	3	3225	15642	30315

31. Measuring Cylinder, TPX Class "B"

- These transparent graduated cylinders have excellent value.
- Molded in large neat and easy to read graduations.
- Hexagonal shape gives stability to the base.
- Cylinders have generous pour spout for smooth flow of liquid during pouring
- Can be autoclaved.
- Meets accuracy requirements of class B under "DIN 1261/ISO 6706".



Code	Capacity (ml)	Sub division (ml)	Error limit (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P50401	10	0.2	±0.2	138	12	1965	9531	18471
P50402	25	0.5	±0.5	170	12	2597	12596	24412
P50403	50	1	±1	198	12	3090	14987	29046
P50404	100	1	±1	257	6	1895	9191	17813
P50405	250	2	±2	314	6	3020	14647	28388
P50406	500	5	±5	344	3	2280	11058	21432
P50407	1000	10	±10	412	3	4090	19837	38446
P50408	2000	20	±20	482	3	5896	28596	55423



32. Measuring Cylinder, TPX Class "A"

- These transparent graduated cylinders have excellent value.
- Molded in large neat and easy to read graduations.
- Hexagonal shape gives stability to the base.
- Cylinders have generous pour spout for smooth flow of liquid during pouring.
- Autoclaving at 121°C does not affect accuracy.
- Meets accuracy requirements of class A under "DIN 12681".
- Supplied with conformity test certificate that indicates batch number and year of production that is also marked on the cylinder.

Code	Capacity (ml)	Sub division (ml)	Error limit (ml)	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P50501	10	0.2	±0.1	138	1	440	2134	4136
P50502	25	0.5	±0.25	170	1	510	2474	4794
P50503	50	1	±0.5	198	1	585	2838	5499
P50504	100	1	±0.5	257	1	713	3459	6703
P50505	250	2	±1	314	1	1130	5481	10622
P50506	500	5	±2.5	344	1	1690	8197	15886
P50507	1000	10	±5	412	1	2425	11762	22795
P50508	2000	20	±10	482	1	4420	21437	41548

33. Micro Tip Box, PP

- Abdos Micro Tip Box can accommodate Abdos Micro Tips and the tip holding space are uniformly placed to facilitate easy use in multi channel pipette.
- Transparent top cover provides excellent view of the Micro Tips inside the box.
- Manufactured in high quality polypropylene.
- All Tip Boxes contain 96 Tip holes.
- Can be autoclaved.



Code	Tip Capacity (µl)	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P20101 *	0.5 - 10	96	126 x 93 x 70	6	625	7275	14100
P20102	2-200	96	126 x 93 x 70	6	625	7275	14100
P20103	100-1000	96	143 x 100 x 88	6	800	9312	18048



34. Rack for Micro Centrifuge Tube, RPP

- Sturdy rack with rubbered support at the bottom for stability.
- Racks lock together on each side to allow user to attach several racks for larger experiments.
- Compatible with both 1.5ml and 2.0ml Micro Centrifuge Tube.
- Easy removal and insertion of tubes.
- Each hole has molded-in-numbers for easy sample identification.
- Can be autoclaved.

Code	Tube Capacity (ml)	Places	Colour	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20205	1.5 & 2	20 Places (10 x 2 Array)	White	215 x 70 x 40	8	970	5645	10942

35. Rack for Micro Centrifuge Tube, PC

- Easy to hold ergonomic design.
- Each hole has molded in numbers and letters for easy sample identification.
- Racks are stackable when empty or full.
- Compatible with both 1.5ml and 2.0ml Micro Centrifuge Tube.
- Easy removal and insertion of tubes.
- Can be used in wide temperature range.
- Can be autoclaved.



Code	Tube Capacity (ml)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20201	1.5 & 2.0	24 (6 x 4 Array)	White	164 x 100 x 59	8	1530	8905	17259
P20202	1.5 & 2.0	24 (6 x 4 Array)	Yellow	164 x 100 x 59	8	1530	8905	17259
P20203	1.5 & 2.0	48 (12 x 4 Array)	White	293 x 100 x 59	8	2810	16354	31697
P20204	1.5 & 2.0	48 (12 x 4 Array)	Yellow	293 x 100 x 59	8	2810	16354	31697

36. Reversible/Twist Rack with Cover, PP



- Manufactured in state of the art moulding facility using high purity virgin polypropylene.
- Holds 1.5/2.0 ml micro centrifuge tubes on one side with smaller positions for the 0.5 ml tubes and other side holds 0.5 ml micro centrifuge tubes with larger positions for 1.5/2.0 ml micro centrifuge tubes.
- 16 x 5 array on the 80 place rack for 0.5, 1.5 & 2.0 ml micro centrifuge tubes and 12 x 8 array on the 96 place rack for 0.5, 1.5 ml & 2.0 ml micro centrifuge tubes.
- Molded indexing for easy reference of tubes and vials.
- Available in bright and attractive colours
- Can be autoclaved..

Code	Tube Capacity (ml)	Places	Colour	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20206	1.5, 2.0 & 0.5	96 place (12 x 8 Array)	Blue, Yellow and Green	220 x 150 x 50	6	1500	8730	16920
P20206 Assorted	1.5, 2.0 & 0.5	96 place (12 x 8 Array)	Blue, Yellow and Green	220 x 150 x 50	6	1500	8730	16920
P20207	1.5, 2.0 & 0.5	80 (16 x 5 Array)	Blue, Yellow and Green	240 x 85 x 50	6	1000	5820	11280
P20207 Assorted	1.5, 2.0 & 0.5	80 (16 x 5 Array)	Blue, Yellow and Green	240 x 85 x 50	6	1000	5820	11280

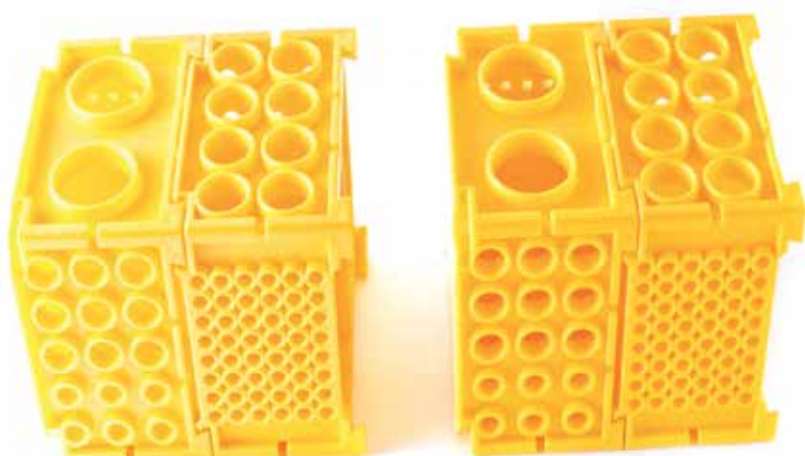
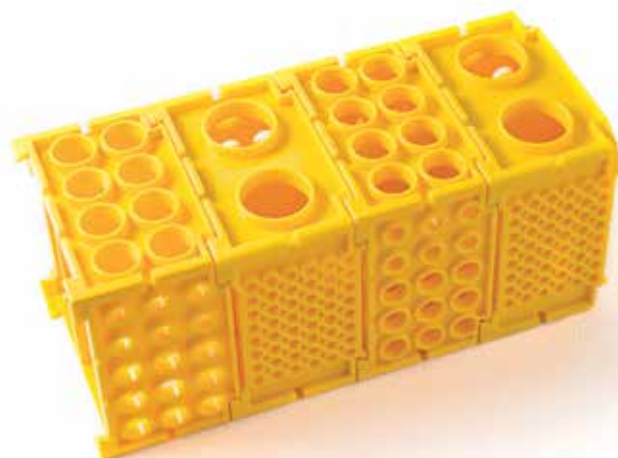
37. Centrifuge Tube Box, PP

- Abdos centrifuge tube box provides a more durable and rugged alternative to cardboard or foam racks.
- These racks can withstand a temperature of -90° C to 121° C.
- The distinctive green colour on the 15ml and blue colour on the 50ml makes these racks easy to distinguish.
- All grids are properly indexed with clear lid that provides easy tube identification.
- Can be autoclaved.



Code	Tube Capacity (ml)	L x W x H (ml)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20604	15	147 x 147 x 126	4	1250	7275	14100
P20605	50	147 x 147 x 126	4	1250	7275	14100

38. Rotator Workstation, PP



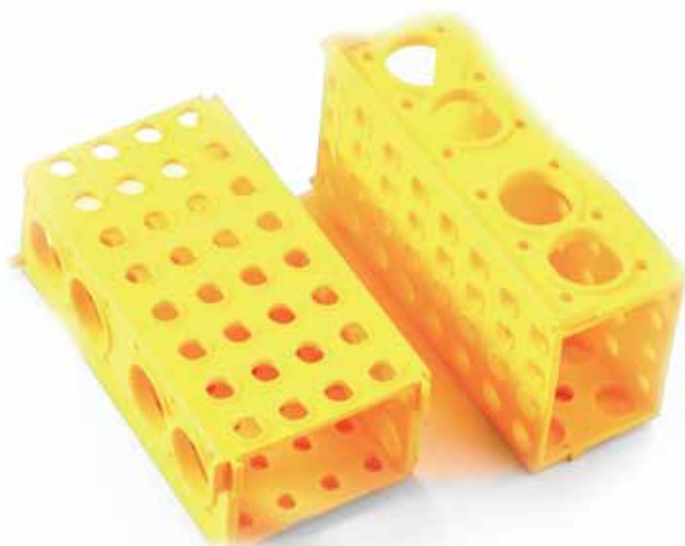
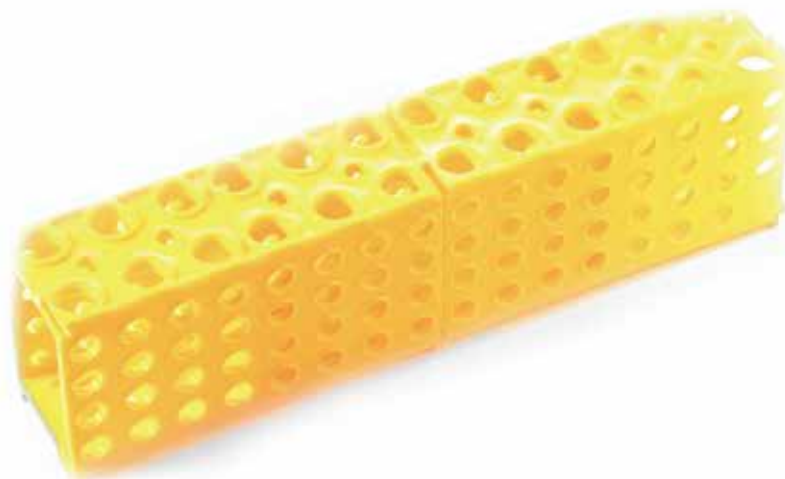
Product	No. per unit
50 ml Centrifuge Tubes	2 per unit
15 ml Centrifuge Tubes	8 per unit
1.5 ml or 2.0 ml Micro Centrifuge Tubes	9 per unit
0.5 ml Micro Centrifuge Tubes	6 per unit
PCR plates (unskirted or semi skirted 96 well)	1 per 2 units put together
PCR 8-tube strips	6 per unit
PCR 12-tube strips	8 per 2 unit
PCR 0.2 ml tubes	48 per unit

- Abdos rotator workstation is a unique ultimate workstation helping you organize your laboratory work.
- Abdos rotator workstation has unique rotate and lock design that helps add or subtract racks according to end users needs.
- These racks can withstand temperature of - 80 °C to +121°C
- Can be autoclaved.

Code	LxWxH(mm)	No. per case	Price/ Case (Rs.)	Price/ 6Case (Rs.)	Price/ 12 Case (Rs.)
P20208	108x68x108	4 (assorted colours)	1700	9894	19176

Assorted colour consists of Blue, Green, Yellow & Red.

39. Multi Combination Racks, PP



Product	No. per unit
50 ml Centrifuge Tubes	4 per unit
15 ml Centrifuge Tubes	12 per unit
1.5 ml or 2.0 ml Micro Centrifuge Tubes	32 per unit
0.5 ml Micro Centrifuge Tubes	32 per unit
Ria Vial 12 x 75 mm	32 per unit

- Abdos multi combination racks is a unique combination racks for various tubes and vials.
- Abdos multi combination racks with a unique design allows to customize specific requirements according to end users needs.
- These racks can withstand temperature of - 80°C to +121°C.
- Can be autoclaved.

Code	LxWxH(mm)	No. per case	Price/ Case (Rs.)	Price/ 6Case (Rs.)	Price/ 12 Case (Rs.)
P20209	175 x 90 x 65	4 (assorted colours)	1200	6984	13536

Assorted colour consists of Blue, Green, Yellow & Red

40. Cryo Box, PC



- Used in ultra low temperature for both internal and external threaded Cryogenic Vials.
- Transparent lids permit viewing of contents.
- Lids have numbered grid for sample identification.
- These boxes create small, space-efficient storage system within a large mechanical freezer.
- Can be autoclaved.

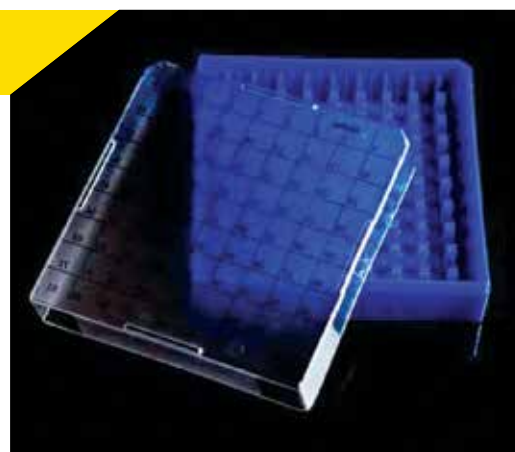
Code	Tube Capacity (ml)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 12Case (Rs.)	Price/ 24 Case (Rs.)
P20601	1 & 1.8	25	White, Yellow, Blue	75x75x54	8	940	10942	21207
P20601 Assorted	1 & 1.8	25	White, Yellow, Blue	75x75x54	8	940	10942	21207
P20602	1 & 1.8	81	White, Yellow, Blue	133 x 132 x 54	4	1150	13386	25944
P20602 Assorted	1 & 1.8	81	White, Yellow, Blue	133 x 132 x 54	4	1150	13386	25944
P20603	4.5	81	White, Yellow, Blue	133 x 132 x 97	4	1650	19206	37224
P20603 Assorted	4.5	81	White, Yellow, Blue	133 x 132 x 97	4	1650	19206	37224

To choose from the various range of colours on offer please refer to the below mentioned product codes:

- For White add "W" to the respective product code
- For Yellow add "Y" to the respective product code
- For Blue add "B" to the respective product code

41. Cryo Box, System - 100, PC

- Used in ultra low temperature for both internal and external threaded Cryogenic Vials.
- Transparent lids permit viewing of contents.
- Lids have numbered grid for sample identification.
- These boxes create small, space-efficient storage system within a large mechanical freezer.
- Can be autoclaved.



Code	Tube Capacity (ml)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20611	1.8	100	White, Yellow, Blue	140x140x54	4	1375	8003	15510

To choose from the various range of colours on offer please refer to the below mentioned product codes:

- For White add "W" to the respective product code
- For Yellow add "Y" to the respective product code
- For Blue add "B" to the respective product code

42. Cryo Cube Box / Storage Cube Box, PP



- Manufactured in state of the art molding facility using high purity polypropylene.
- These boxes are stackable, versatile and designed for sample storage upto - 90°C.
- These boxes help you to meet storage requirements of 1.5/ 2.0 ml microtubes and 1.0/1.8 ml cryogenic vials.
- These boxes have hinged lid and ultra smooth locking system ensures secure closure preventing accidental opening of these boxes in deep freezers.
- Inbuilt numbered and letters grid for sample identification.
- Can be autoclaved.

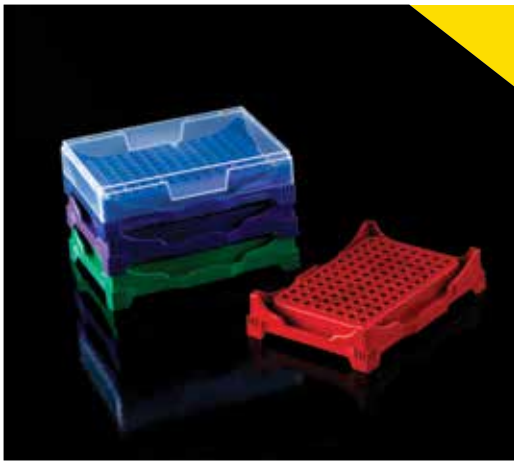
Code	Tube Capacity (ml)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20612*	1.5, 2.0 microtubes & 1.0, 1.8 cryotubes	50 (10 x 5 Array)	Blue, Yellow and Green	140 x 75 x 55	8	1000	5820	11280
P20607	1.5, 2.0 microtubes & 1.0, 1.8 cryotubes	100 (10 x 10 Array)	Blue, Yellow and Green	140 x 140 x 55	4	950	5529	10716

43. Freezing Cardboard Cryo Boxes, Cardboard

- Designed for storage and preservation of frozen samples.
- Can withstand ultra low temperature in deep freezers.
- These boxes can be used for upright freezers or chest freezers with dividers.
- Removable top lid makes it easy to open and close.
- Lamination on these boxes does not allow moisture to soak or liquid to stick on these boxes.



Code	Tube Capacity (ml)	Places	LxWxH(mm)	No. per case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P20606	1 & 2	81	132 x 132 x 50	8	865	10069	19515
P20613	1 & 2	100	145 x 145 x 50	8	865	10069	19515



44. PCR Workup Rack, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- These workup racks can be easily stackable one on top of the other.
- These racks can accommodate unskirted, semi-skirted and skirted 96 well PCR plates. It can also accommodate strip PCR tubes.
- Operating temperature is -80°C to +121°C
- Can be autoclaved.

Code	Capacity	Places	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P11101	1 x 96 well PCR plates, 90 0.2 ml PCR tubes & 12 8-well strips	96	138 x 98 x 39	5	1850	8973	17390

45. 96 Place Workup Rack With Lid, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- Working storage racks for PCR processing.
- These racks have standard spacing for strip tubes or plates.
- Can be autoclaved.



Code	Capacity	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
P11102	0.2 ml PCR tubes, 96 well PCR plates & Strip tubes	96	128 x 87 x 33	5	1400	6790	13160



46. PCR Workstation Rack With Lid, PP

- Manufactured in state of the art moulding facility using high purity polypropylene.
- These workstation holds all commonly used tube sizes.
- These workstations have moulded alphanumeric indexing for fast and accurate identification.
- These workstations are ideal platform to satisfy all pre- or post PCR sampling applications.
- Can be autoclaved.

Code	Capacity	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
P11103	32 individual 0.2 ml PCR tubes, 24 x 1.5 or 2.0 ml tubes & 16 x 0.5 ml tubes	215 x 120 x 50	1	700	3395	6580

47. Reversible Freezer Storage Racks with Gel, PC



- These racks have consistent thermal protection to maintain low temperature.
- One side holds upto 20 1.5/2.0 ml tubes and other side holds upto 20 0.5 ml tubes.
- These racks are suitable for storage for PCR reagents, cells, enzymes or other temperature sensitive reagents.

- These racks are available in two temperature range:
 - (a) -20°C Blue unit will maintain a temperature between -10°C and -20°C for upto three hours.
 - (b) 0°C White unit will maintain a temperature of 0°C for 5 hours.
- Molded indexing makes identification faster and easier.
- These racks are filled with an inert, non-toxic gel.

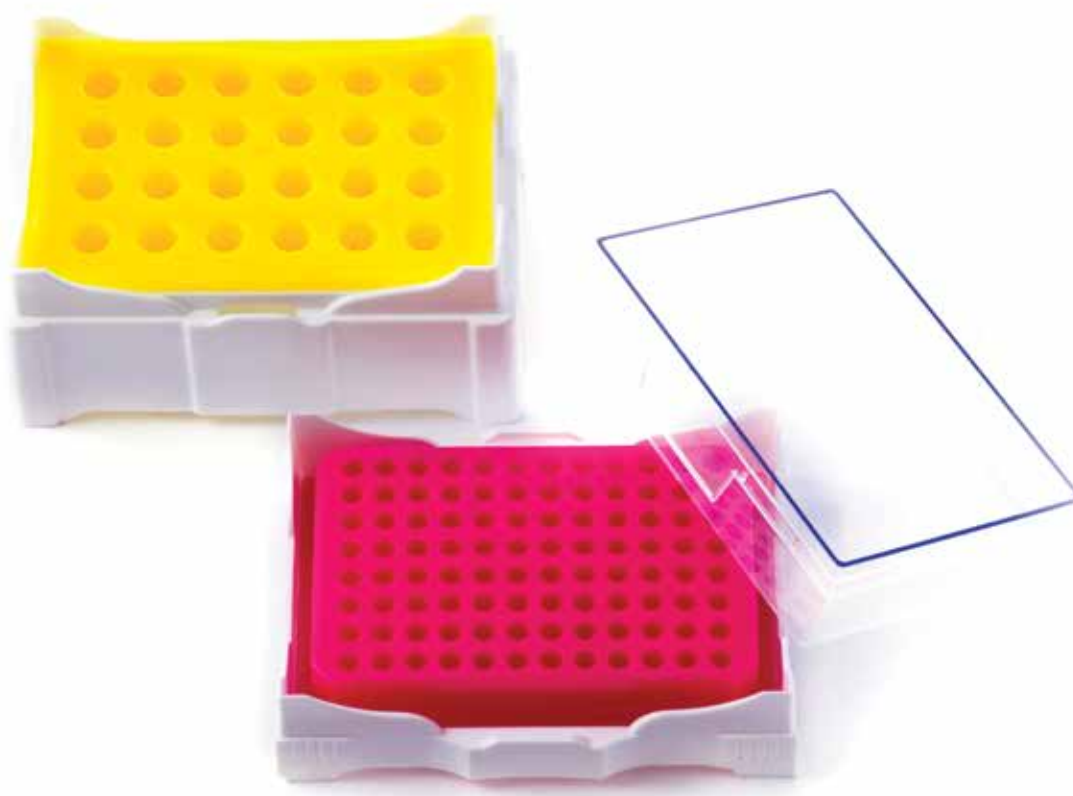
-20°C Reversible Freezer Storage Racks

Code	Capacity (ml)	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P11104	0.5, 1.5 & 2.0	20 (5 x 4 Array)	108 x 172 x 104	1	4700	13677	26508

0°C Reversible Freezer Storage Racks

Code	Capacity (ml)	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P11105	0.5, 1.5 & 2.0	20 (5 x 4 Array)	108 x 172 x 104	1	4700	13677	26508

48. Freezer Colour Change Racks, PP



- These racks maintain temperature of less than 4°C for almost 3.5 hours (with lid on rack) at room temperature.
- The plastic changes colour to enable the user to see how cold or hot the sample is.
- These racks have a dramatic change in colour at 7°C.
- Can be autoclaved.

MCT Freezer Change Racks

Code	Colour at Cold Temperature	Colour at Warm Temperature	Capacity (ml)	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P11106	Green	Yellow	0.5, 1.5 & 2.0	24 (6 x 4 Array)	70 x 105 x 146	1	4100	11931	23124

PCR Freezer Change Racks

Code	Colour at Cold Temperature	Colour at Warm Temperature	Capacity	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
P11107	Green	Yellow	PCR tubes, 96 well plates & strip tubes	96 (12 x 8 Array)	44 x 99 x 141	1	4300	12513	24252

49. Test Tube Rack, RPP & PC



- Holes are keyed with molded-in-numbers and letters for easy identification.
- Ergonomic design facilitates easy handling.
- Can be used in wide temperature range.
- Superior chemical resistance.
- Wide range available in different colours.
- Can be autoclaved.

Test Tube Rack, RPP

Code	Tubes (mm)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20701	13	31	White, Yellow, Blue	275 x 65 x 110	4	680	3958	7671
P20702	16	31	White, Yellow, Blue	275 x 65 x 110	4	680	3958	7671
P20703	20	20	White, Yellow, Blue	324 x 73 x 127	4	780	4540	8799
P20704	25	18	White, Yellow, Blue	324 x 73 x 127	4	780	4540	8799
P20705	32	12	White, Yellow, Blue	280 x 84 x 127	4	910	5296	10265

Test Tube Rack, PC

Code	Tubes (mm)	Places	Colour	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20706	13	31	White, Yellow, Blue	275 x 65 x 110	4	1310	7624	14777
P20707	13	62	White, Yellow, Blue	275 x 133 x 112	2	1310	7624	14777
P20708	16	31	White, Yellow, Blue	275 x 65 x 110	4	1310	7624	14777
P20709	16	62	White, Yellow, Blue	275 x 133 x 112	2	1310	7624	14777
P20710	20	20	White, Yellow, Blue	324 x 73 x 127	4	1460	8497	16469
P20711	20	40	White, Yellow, Blue	324 x 143 x 127	2	1460	8497	16469
P20712	25	18	White, Yellow, Blue	324 x 73 x 127	4	1460	8497	16469
P20713	25	36	White, Yellow, Blue	324 x 143 x 127	2	1460	8497	16469
P20714	32	12	White, Yellow, Blue	280 x 84 x 127	4	1660	9661	18725
P20715	32	24	White, Yellow, Blue	280 x 170 x 128	2	1660	9661	18725

To choose from the various range of colours on offer please refer to the below mentioned product codes:

- For White add "W" to the respective product code
- For Yellow add "Y" to the respective product code
- For Blue add "B" to the respective product code

50. Polygrid Test Tube Rack, PP



- Manufactured in state of the art moulding facility using high purity virgin polypropylene (PP).
- Can be used in wide temperature range.
- Racks have precise grid format for holding tubes and vials.
- Superior chemical resistance.
- Can be autoclaved.

Code	Tube Diameter (mm)	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/12 Case (Rs.)
P20716	13	90	248 x 116 x 64	4	840	4889	9476
P20717	17	60	245 x 118 x 70	4	840	4889	9476
P20718	21	40	248 x 116 x 70	4	840	4889	9476

51. Coplin Jar, PP

- These Coplin Jars are polypropylene staining jar that holds either 5 single or 10 back-to-back standard 75 x 25 mm slides.
- Interior of the Coplin Jar is grooved to hold the slides in an upright position.
- Flat cap, features large milled edge for easy hand grip and has a built-in plug seal.
- Can be autoclaved.



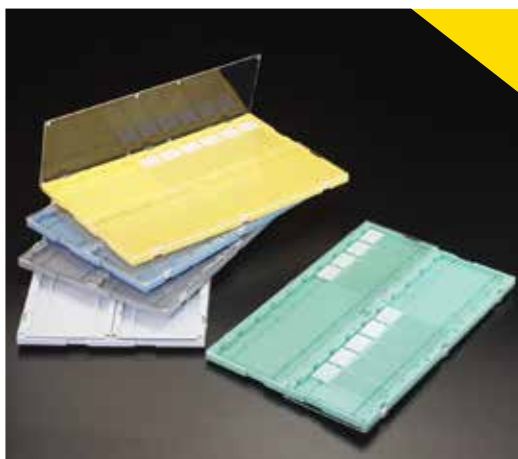
Code	Places	Height (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90101	10	114	12	500	2910	5640

52. Slide Tray, HIPS



- These slide tray are manufactured in state of art molding facility using virgin polystyrene.
- These slide tray are suitable for holding standard 25 x 75 mm microscope slides.
- Thumb cut area provides space for easy slide handling.

Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90102	20	300 x 194 x 12	6	2075	12077	23406



53. Microscope Slide File, HIPS

- These slide file will hold upto 20 standard microscope slides 75 mm x 25 mm.
- These slide file is made of two parts the base holding the slides horizontally in pre-numbered spaces for easy identification and the transparent door which can either cover the slides and allow easy reading of ID labels with or without optical bar code reader.
- Will resist temperature between -80° C to +80° C.
- Removal of the slides is made easy by pressing on one end that will automatically lift the other end.

Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90113	20	192 x 295 x11	10	4625	26918	52170

54. Slide Storage System, HIPS

- The most convenient, organized and versatile way of storing 75 x 25 mm microscope slides.
- Slide storage system includes a slide box and a removable tray. Transparent hinged cover makes the contents of the box easy to see at a glance.
- Can withstand temperature between - 80° C to + 80° C.
- All slides are stored upright for easier insertion and removal. To easily pick up the slide simply tilt the slides forward and backward with one finger.



Code	Places	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90111	100	82x245x86	10	5290	30788	59671



55. Slide Drain Rack, HIPS

- This tray used as drain rack can hold upto 200 microscope slides in 100 individual numbered slots.
- All slides are stored upright for easier insertion and removal.
- To easily pick up the slide simply tilt the slides forward and backward with one finger.

Code	Places	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90112	100/ 200	75x231x25	10	2000	11640	22560



56. Slide Box, ABS

- These slide tray are suitable for holding standard 25 x 75 mm microscope slides.
- Slide tray are mounted with cork sheet on the bottom and index list inside the lid for microscope slide identification.
- Uniform grooved slide slots separates slides and prevents it to come in contact with each other.
- Hinged lid gives secure closure to the box.

Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90103	25	95 x 82 x 32	12	826	4808	9318
P90104	50	199 x 82 x 32	6	690	4016	7784
P90105	100	192 x 162 x 32	6	1341	7805	15127

57. Slide Dispenser, ABS

- These slide dispensers are suitable for standard 25 x 75 mm slides.
- The overall design of the dispensers makes it easy to load and dispense slides.
- Users can effortlessly turn either side of the wheel to dispense slides one at a time.
- Holds upto 72 pcs of microscope slides



Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90106	72	120 x 120 x 163	2	695	4045	7840



58. Slide Staining System, Acetal

- This system has two components a square staining jar and a 12-position vertical slide rack.
- This system is made of acetal plastic and will not break like glass jars.
- Superior chemical resistance.
- The base is wide and offers greater stability while the inside is recessed allowing for a smaller reagent volume of only 80 ml.
- Resist temperature between -150°C to 121°C
- Can be autoclaved.

Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P90114	12	64 x 76 x 92	1 Kit	1270	7392	14326



59. Slide Mailer, PP

- These slide mailers are suitable for holding standard 25 x 75 mm slides.
- They are ideal for secure shipping and storing of slides.
- Easy to close secure snaps for storage of valuable slides.

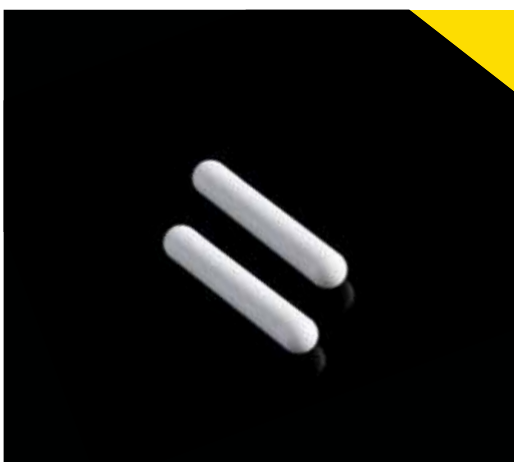
Code	Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 12 Case (Rs.)	Price/ 24 Case (Rs.)
P90107	1	85 x 42 x 5	25	180	2096	4061
P90108	2	82 x 70 x 5	25	290	3376	6543
P90109	3	100 x 84 x 5	25	300	3492	6768
P90110	5	82 x 30 x 17	25	325	3783	7332

60. Ice Bucket, Polyurethane

- Durable black skinned polyurethane foam ice buckets unbreakable in normal use.
- Suitable for use with-ice, dry-ice and salt solutions.
- Supplied with lids.
- Integral handles allow easy lifting and carrying.
- Octagonal shape for easy stacking and stability



Code	Capacity (ml)	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P20301	4500	330 x 280 x 185	1	2600	15132	29328



61. Micro Magnetic Stirrer Bar, PTFE/ALNICO V MAGNET

- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.
- For use in small vessels, e.g. test tubes, vials etc.

Code	OD (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80101	2 x 7	5	675	6548	12690
P80102	3 x 10	5	675	6548	12690

62. Magnetic Stirrer Bar With Pivot Ring, PTFE/ALNICO V MAGNET



- Central pivot ring ensures efficient spinning even on curved or uneven bases.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.

Code	OD (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80103	4.5 x 15	10	900	8730	16920
P80124	6 x 12	10	1000	9700	18800
P80104	6 x 20	10	1100	10670	20680
P80123	6 x 25	10	1220	11834	22936
P80105	6 x 30	10	1320	12804	24816
P80125	8 x 13	10	1275	12368	23970
P80106	8 x 40	10	1596	15482	30005
P80107	8 x 50	10	1800	17460	33840
P80126	10 x 25	10	1550	15035	29140
P80108	10 x 60	5	1475	14308	27730
P80109	10 x 70	5	1525	14793	28670
P80127	13 x 75	2	1275	12368	23970

63. Cylindrical Magnetic Stirrer Bar, PTFE/AMNICO V MAGNET

- Plain design with rounded ends, suitable for a wide range of flat bottomed containers.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	OD (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80110	6 x 20	10	925	8973	17390
P80111	6 x 30	10	1050	10185	19740
P80112	8 x 40	10	1175	11398	22090
P80113	8 x 50	10	1500	14550	28200
P80114	9.5 x 70	10	2525	24493	47470

64. Octagonal Magnetic Stirrer Bar, PTFE/ALNICO V MAGNET



- Shape gives increased turbulence at low speeds.
- Bars with central pivot ring.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.

Code	OD (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80115	8 x 13	10	1098	10651	20643
P80116	8 x 25	10	1165	11301	21902
P80117	8 x 38	10	1452	14085	27298
P80128	8 x 51	10	1600	15520	30080
P80129	8 x 64	10	2260	21922	42488
P80118	10 x 51	10	2200	21340	41360
P80119	12 x 75	10	3700	35890	69560

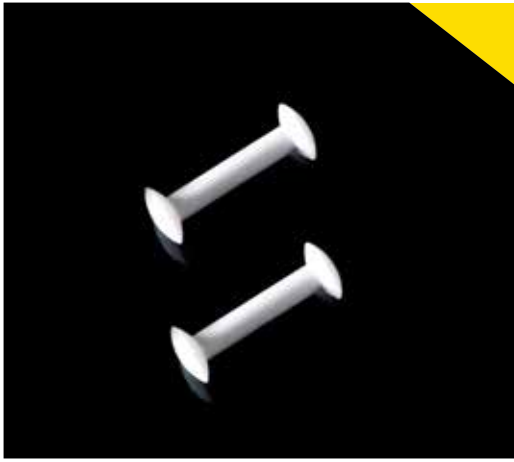
65. Triangular Magnetic Stirrer Bar, PTFE/ALNICO V MAGNET

- Ideal for mixing difficult solutions e.g. dissolving solvents or mixing sediments.
- Spins well giving the best possible mixing action.
- For the stirring of liquids on magnetic stirrers and hot plates stirrers.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	H (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80130	14 x 25	2	850	8245	15980
P80131	14 x 40	2	1050	10185	19740
P80132	14 x 55	2	1220	11834	22936

66. Double-Ended Magnetic Stirrer Bars, PTFE/ALNICO V MAGNET



- Double ended stirrer bars have double paddle action for efficient stirring plus high stability.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.

Code	H (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80133	8 x 35	5	1950	18915	36660
P80134	8 x 55	5	2350	22795	44180

67. Cross-spin Magnetic Stirrer Bars, PTFE/ALNICO V MAGNET

- Cross spin stirrer bars add speed and efficiency to your mixing requirements.
- The cross shape creates a deep vortex and provides stable and quiet operation.
- Strong alloy magnets sheathed in pure white inert PTFE.
- Resistant to virtually all chemical attack and temperatures up to 260°C.



Code	H (Ø) x L (mm)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
P80135	8 x 20, 9 x 25, 10 x 30, 11 x 38, 15 x 50, 20 x 60	1 set consisting of 1 pcs each.	2800	27160	52640

68. Reagent Reservoir, HIPS



- Unique "trough within a trough" maximizes reagent recovery.
- Convenient pour-off spouts on all four corners.
- A wide base provides stability and avoids spills.
- Graduated marks on inside wall.
- Superior design provides stronger sidewalls.
- 100ml reagent reservoir has capacity for extended multi-channel pipetting into microtiterplates. This design allows ample clearance for all types of pipettors.

Code	Capacity (ml)	No. per case	Price/ Case (Rs.)	Price/ 6 Case (Rs.)	Price/ 12 Case (Rs.)
P10501	25	10	660	3842	7445
P10503	100	10	800	4656	9024

ORGANIZERS





69. Parafilm M Dispenser, Acrylic

- Ideal for storing, dispensing and cutting Parafilm[®] M, tape and labels.
- Openable top lid allows easy filling into the Dispenser.
- These dispensers can hold both 2 inches and 4 inches Rolls.
- Tapes and Labels can be easily cut through super-sharp serrated blade.
- Parafilm Dispenser does not contain Parafilm M

Code	Capacity (inch)	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
P70401	2 and 4	180 x 120 x 160	1	2200	10670	20680

70. Pipet Rack Stand, Acrylic

- Keep your pipettors within easy inside this convenient rack.
- Holds five standard size pipettors.
- Racks are mounted on their own stand.
- Keeps working area or desk free from clutter.



Code	No. of Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
P70201	5	190 x 135 x 265	1	1760	8536	16544



71. Assorted Workstation storage Bin, Acrylic

- Users can organize most of their commonly used laboratory disposables in one location.
- First section of the bins is used to store tubes, vials and pipette tips.
- Second section of the bins are used to store and dispense tissue paper, kimwipes and Parafilm M (supplied with super-sharp serrated blade).
- Third section of the bins is used to store and dispense gloves.

Code	No. of Compartments	LxBxT (inch)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/5 Case (Rs.)
P70104	5	255 x 135 x 368	1	4125	12004	19388

72. Workstation storage/ Dispenser Bin, Acrylic



- Ideal for storing and dispensing small laboratory product such as Pipette tips, Pasture Pipette, Micro Centrifuge Tubes.
- Removable top cover allows easy filling in to the bin.
- Hinged opening at the front to take out items from the bin.
- Holes at the back of the bin help it to be placed or struck on to the wall.

Code	Size	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 5 Case (Rs.)
P70101	Small	200x140x190	1	2050	5966	9635
P70102	Large	200x140x275	1	2250	6548	10575

73. Workstation storage 3 compartment, Acrylic

- Ideal for storing and dispensing small laboratory product such as Pipette tips, Pasture Pipette, Micro Centrifuge Tubes.
- Removable to cover allow easy filling into 3 separate compartments.
- Hinged opening at the front to take out items from the bin.
- Holes at the back of each compartment help it to be placed or struck on to the wall.
- Fills, protect and dispenses three supplies.
- Easy to move, easy to load, easy to use.



Code	No. of Compartments	LxWxH (mm)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 5Case (Rs.)
P70103	3	410x200x190	1	5000	14550	23500

74. Bench Top Beta Shield, Acrylic



- Abdos Beta Shield are designed to be used in the laboratory during procedure that handle β -emitting isotopes.
- These Beta Shield protect the lab work and its angled top allow contents of the tube located behind the shield to be viewed from the top.
- The base of the Beta Shield provides a large flat work surface and minimizes the risk of "hot spots" on the lab bench.

Code	L x B x H (mm)	No. per case	Price/Case (Rs.)	Price/3 Case (Rs.)	Price/5 Case (Rs.)
P70105	45 x 30 x 30	1	4700	13677	22090

75. Glove Box Holder, Acrylic



- They designate a place for gloves.
- Clear and pristine holder to give clean appearance.
- Top loading of the glove box.
- Easy to dispense the gloves through the holder.
- Each holder has holes that help it to be installed in a convenient location to the proximity of your work and tasks.

Code	No. of Places	L x W x H (mm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
P70301	1	260 x 100 x 138	1	1150	5578	10810
P70302	2	260 x 100 x 270	1	1500	7275	14100
P70303	3	260 x 100 x 415	1	2000	9700	18800

76. Safety Goggles Box, Acrylic

- This safety box can be set on the bench top or mounted on the wall for storage of goggles, glasses and other small lab products.
- Safety Lid keeps the box free of dust and contamination.
- Clear window helps to view the inventory from the outside.



Code	L x W x H (mm)	Size	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
P70106	23 x 16 x 18	Small	1	1900	9215	17860
P70107	23 x 16 x 25	Large	1	2400	11640	22560

The image features a close-up of laboratory equipment. In the foreground, a bright red, cylindrical component with three circular holes is mounted on a black base. A silver, knurled adjustment knob is visible on top of the red component. To the left, a black plastic handle or lever is partially visible. In the background, two pipettes are out of focus, one with a white body and one with a black body. The overall scene is brightly lit against a white background.

EQUIPMENT

77. Fast Release Pipette Pump



- Fast release pipette pump ensures quick and accurate operation.
- These lightweight pipette pump have a fast release trigger that dispenses the entire pipette contents.
- The thumb wheel easily rotates for precision aspirating or dispensing, down to a volume of one drop at a time.
- The thumb wheel can be used to blow out the contents of the pipette.
- Resistant to acids, alkalis.
- Easily disassembly for cleaning.

CODE	Capacity (ml)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
E11219	2	4	6500	31525	61100
E11220	10	4	7000	33950	65800
E11221	25	4	7800	37830	73320

78. Handypette Pipette Aid.

- Volume Capacity of 10 ml and 25 ml.
- Colour coded by volume with green for 10 ml and red for 25 ml.
- Thumbwheel for precision operation.
- Resistant to acids, alkalis.
- Easily disassembly for cleaning.



CODE	Capacity (ml)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
E11218	10	4	2050	9943	19270
E11216	25	4	2300	11155	21620

79. Rubber Pipette Pump



- Pump opening is standard to fit almost all glass and plastic pipette.
- One size can be used for liquid upto 100 ml.
- The pump has a heavy wall and easy to grip body.

CODE	Capacity	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
E11217	Up to 100 ml	4	1300	6305	12220

80. Rave Pipette Controller, PP

Features:

- Abdos Rave Pipette Controller is robust, light weight and its simple to use operations makes it ideal for repetitive pipetting.
- Users can use Volumetric and Serological Pipettes ranging from 0.1 ml to 100 ml.
- Abdos Rave Pipette Controller have autoclavable silicone pipette holder.
- Abdos Rave Pipette Controller is supplied with integral and replaceable 0.3 μ m filter. The in-line filter prevents contamination.
- Precise Pipetting control is possible in Abdos Rave Pipette Controller.



CODE	Product	No. per case	Price/ Each (Rs.)	Price/ 5 Pieces (Rs.)	Price/10 Pieces (Rs.)
E11113	Rave Pipette Controller	1	2500	12125	23500

Spare Filters

CODE	Product	No. per case	Price/Each (Rs.)
E11119	Spare 3.00 μ m Filter	1	180

81. Rave Plus Pipette Filler, PP

Features:

- Abdos Rave Plus Pipette Filler is robust, light-weight and is ergonomically designed to allow longer, fatigue-free pipetting.
- Abdos Rave Plus Pipette Filler is powerful and can fill a 50 ml Pipette in less than 10 seconds. Motor and pump operate quietly with very low vibration.
- Abdos Rave Plus Pipette Filler is supplied with Lithium-ion battery that provides enough battery power to finish the users series.
- Users can use Volumetric and Serological Pipettes ranging from 0.1 ml to 100 ml.
- Abdos Rave Pipette Controller is supplied with integral and replaceable 0.45 µm filter.

Specifications

Battery	Lithium-Ion
Battery Service Life	More than 8 hours of Intermittence use.
Charging Time	Approx. 2 Hours.
Pipette Types	Glass or Plastic Pipettes (0.1-100ml)
Aspirate Speeds	8
Dispense Speeds	8 Gravity Dispense
Filter	0.45 µm Hydrophobic



CODE	Product	No. per case	Price/ Each (Rs.)	Price/ 3 Pieces (Rs.)	Price/ 5 Pieces (Rs.)
E11114	Rave Plus Pipette Filler with Lithium Ion Battery and digital speed control	1	13500	39285	63450

Spare Accessories

CODE	Product	No. per case	Price/ Each (Rs.)
E11116	Spare 0.45 µm Filter	1	525
E11117	Spare Lithium-ion	1	5400
E11118	Spare Adapter	1	4600

82. Fixed Premium Pipette, PP

Features:

- Abdos Fixed Premium Pipette are lightweight, ergonomic with low force design.
- Abdos Fixed Premium Pipette are easy to calibrate and maintain with tools supplied.
- Abdos Fixed Premium Pipette are very accurate and gives desired results.
- Abdos Fixed Premium Pipette are designed to avoid repetitive strain injuries.
- Each pipette is supplied with individual quality control certificate.
- Each pipette are supplied with operator manual that provides complete information on recalibration and maintenance of the pipette.



CODE	Capacity (µl)	Test Volume (µl)	Inaccuracy (±)	Imprecision (±)
E10001	5	5	1.3%	1.2%
E10002	10	10	0.8%	0.8%
E10003	20	20	0.6%	0.5%
E10004	25	25	0.5%	0.3%
E10005	50	50	0.5%	0.3%
E10006	100	100	0.5%	0.3%
E10007	200	200	0.4%	0.2%
E10008	250	250	0.4%	0.2%
E10009	500	500	0.3%	0.2%
E10010	1000	1000	0.3%	0.2%

CODE	Capacity (µl)	No. per Case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
E10001	5	1	1800	5238	10152
E10002	10	1	1800	5238	10152
E10003	20	1	1800	5238	10152
E10004	25	1	1800	5238	10152
E10005	50	1	1800	5238	10152
E10006	100	1	1800	5238	10152
E10007	200	1	1800	5238	10152
E10008	250	1	1800	5238	10152
E10009	500	1	1800	5238	10152
E10010	1000	1	1800	5238	10152

83. Premium Pipettes, PP

Features:

- Abdos Premium Pipettes are lightweight, ergonomic with low force design.
- Volume settings can be clearly read through digital display.
- Abdos Premium Pipettes are easy to calibrate and maintain with the tools supplied.
- Abdos Premium Pipettes are Semi- Autoclavable.
- Abdos Premium Pipettes are designed to avoid repetitive strain injuries.
- Abdos Premium Pipettes are supplied with operator manual that provides complete information on recalibration and maintenance of the pipettes.
- Each Abdos Premium Pipettes are supplied with individual quality control certificate



CODE	Capacity (µl)	Increment (µl)	Test Volume (µl)	Inaccuracy (±)	Imprecision (±)
E11101	0.5-10	0.1	10	1.00%	0.80%
			5	1.50%	1.50%
			1	2.50%	1.50%
E11102	2-20	0.5	20	0.90%	0.40%
			10	1.20%	1.00%
			2	3.00%	2.00%
E11103	10-100	1	100	0.80%	0.15%
			50	1.00%	0.40%
			10	3.00%	1.50%
E11104	20-200	1	200	0.60%	0.15%
			100	0.80%	0.30%
			20	3.00%	1.00%
E11105	100-1000	5	1000	0.60%	0.20%
			500	0.70%	0.25%
			100	2.00%	0.70%

CODE	Capacity (µl)	No. per case	Price/ Case (Rs.)	Price/3 Case (Rs.)	Price/6 Case (Rs.)
E11101	0.5-10	1	4450	12950	25098
E11102	2-20	1	4450	12950	25098
E11103	10-100	1	4450	12950	25098
E11104	20-200	1	4450	12950	25098
E11105	100-1000	1	4450	12950	25098

84. Premium Plus Pipettes, PP

Features:

- Abdos Premium Plus Pipettes are Fully Autoclavable.
- Abdos Premium Plus Pipettes are lightweight, ergonomic with low force design.
- Volume settings can be clearly read through digital display.
- Abdos Premium Plus Pipettes are easy to calibrate and maintain with the tool supplied.
- Abdos Premium Plus Pipettes are designed to avoid repetitive strain injuries.
- Abdos Premium Plus Pipettes are supplied with operator manual that provides complete information on recalibration and maintenance of the pipettes.
- Each Abdos Premium Plus Pipettes are supplied with individual quality control certificate.



CODE	Capacity (µl)	Increment (µl)	Test Volume (µl)	Inaccuracy (±)	Imprecision (±)
E11107	0.5-10	0.1	10	1.00%	0.80%
			5	1.50%	1.50%
			1	2.50%	1.50%
E11108	2-20	0.5	20	0.90%	0.40%
			10	1.20%	1.00%
			2	3.00%	2.00%
E11109	10-100	1	100	0.80%	0.15%
			50	1.00%	0.40%
			10	3.00%	1.50%
E11110	20-200	1	200	0.60%	0.15%
			100	0.80%	0.30%
			20	3.00%	1.00%
E11111	100-1000	5	1000	0.60%	0.20%
			500	0.70%	0.25%
			100	2.00%	0.70%

CODE	Capacity (µl)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 6 Case (Rs.)
E11107	0.5-10	1	5100	14841	28764
E11108	2-20	1	5100	14841	28764
E11109	10-100	1	5100	14841	28764
E11110	20-200	1	5100	14841	28764
E11111	100-1000	1	5100	14841	28764

85 .SWIRL-01 Micro Centrifuge

Features:

- Swirl- 01 is a small, compact and reliable centrifuge for personal usage of spindown procedures.
- Swirl- 01 is supplied with a 6 place angular rotor of 1.5 ml and a PCR rotor which admit two stripes of 0.2 ml PCR strip.
- Swirl- 01 has a maximum speed of 6500 RPM / 2234 x g.
- Swirl- 01 uses minimal benchtop space.
- Swirl- 01 can be used in both spindown and continuous running (15 minutes) mode by a locker switch that is attached at the front of the centrifuge.
- Swirl-01 adapts a Brushless DC Motor.



CODE	Product	No. per case	Price/ Each (Rs.)
E11115	Swirl-01 Micro Centrifuge including : (i) 6 Place Rotor for 1.5 ml Tube (ii) 2 Place Rotor for 8 x 200 µl Tube Strip	1	13000

86. SWIRLEX - Vortex Shaker

Features:

- Swirlex is suitable for touch or continuous operation.
- Swirlex vortex shaker can be used for various shaking application with optional adapters.
- Swirlex has a wide speed range of 0-3000 rpm.
- Built from sturdy cast casing.
- Swirlex vortex shakers contain specially designed silicone feet and steel base excellent for damping vibration.
- Swirlex is eccentric with oilless ball bearings.

Specifications

Voltage	220-240 V
Frequency	50 Hz
Power	60 W
Shaking Movement	Orbital
Outer Diameter	4 mm
Speed Range	0-3000 rpm
Speed Display	Analog Type
Run Type	Continuous/ touch operation
Dimension	127 x 130 x 160 mm
Weight	3.5 kg
Permissible ambient temperature	5-40° C
Permissible relative humidity	80%



CODE	Product	No. per case	Price/ Each (Rs.)	Price/ 3 Pieces (Rs.)	Price/ 6 Pieces (Rs.)
E11190	Swirlex - Adjustable Vortex Shaker	1	8950	26045	50478

Spare Accessories

CODE	Product	No. per case	Price/ Each (Rs.)
E11191	Tube holding rod	1	3450
E11192	Universal 100 mm top plate with 4 vacuum suction feet	1	1000
E11193	Tube adapter for 18 holes test tubes Ø 10 mm	1	1300
E11194	Tube adapter for 12 holes test tubes Ø 12 mm	1	1300
E11195	Tube adapter for 8 holes test tubes Ø 16 mm	1	1300
E11196	Tube adapter for 8 holes test tubes Ø 20 mm	1	1300

*E11192 is required to run Abdos E11193, E11194, E11195 & E11196 adapters.

87. SWIRLMAX- Tube Roller

Features:

- Swirlmax is a classic tube roller that can be used for rocking and rolling for complete mixing.
- Swirlmax is ideal for mixing blood samples, viscous substances and liquid-solid suspensions
- Swirlmax is used in variety of applications, prevention of blood coagulation and immune precipitation
- Swirlmax has a total of six roller with small footprints and it is very easy to clean.
- Swirlmax has a quite DC brushless motor which is reliable, sound and maintenance free.
- Swirlmax can be used in cold rooms or in incubators.

Specifications

Voltage	220-240V
Frequency	50Hz
Power	25
Motor Type	DC Motor
Rocking Motion	Rocking and Rolling
Amplitude	24mm
Max. load capacity	4kg
Number of Rollers	6
Roller Size	280mm
Speed Range	0-70rpm
Speed Display	Scale
Operation Type	Continuous operation
Dimensions	450 X 260 X 120 mm
Weight	4.5 kg
Permissible ambient Temperature	5-40° C
Permissible ambient Humidity	80%



CODE

E11230

Product

Tube Roller

No. per case

1 nos.

Price/ Each (Rs.)

17200

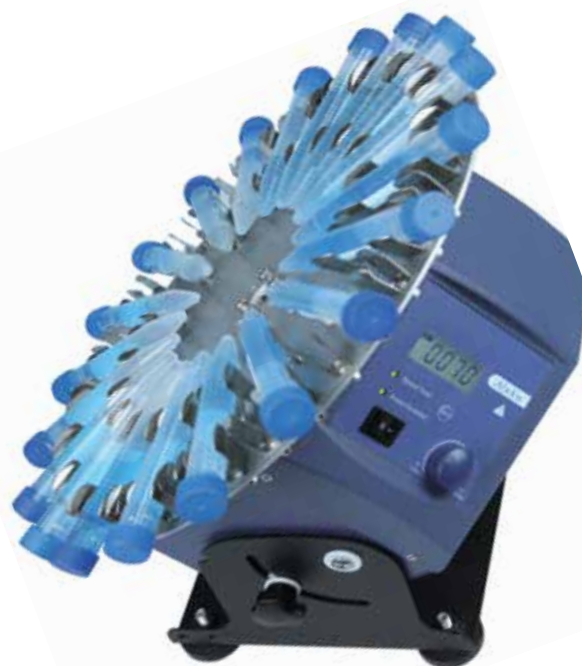
88. WAVEX - TUBE ROTATOR

Features:

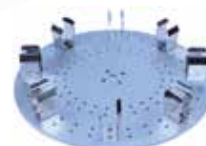
- Wavex tube rotators give gentle but effective mixing of biological samples to be held in 1.5 ml to 50 ml tubes used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics.
- Wavex tube rotator has a disk type design.
- LCD displays and digital speed control allows procedures to be accurate.
- Wavex tube rotator has a dual dish accessories for larger tubes.

Specifications

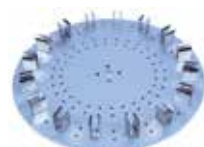
Voltage	220-240V
Frequency	50Hz
Power	40 W
Motor Type	DC Motor
Tilt Angle	0 - 90°
Speed Range	0-70rpm
Speed & Timer Display	LCD
Time Setting Range	1 - 1199 min
Operation Type	Continuous / timed operation
Dimensions	510 x 190 x 260 mm
Weight	8 kg
Permissible ambient Temperature	5-40° C
Permissible ambient Humidity	80%



E11271



E11272



E11273



E11274

CODE	Product	No. per case	Price/ Case (Rs.)
E11270	Wavex- Tube Rotator	1	31000

Spare Accessories

CODE	Product	No. per case	Price/ Case (Rs.)
E11271	Disk accessory for 1.5 ml x 60 micro centrifuge tubes	1	4800
E11272	Disk accessory for 50 ml x 8 centrifuge tubes	1	3600
E11273	Disk accessory for 15 ml x 16 tubes	1	3600
E11274	Disk support rods used with disk accessories	4	1900

89. WAVEX - ROTATING MIXER

Features:

- Wavex rotating mixer give gentle but effective mixing of biological samples to be held in 1.5ml to 50 ml tubes used in a variety of applications including immune precipitations, prevention of blood coagulation and latex diagnostics.
- Wavex rotating mixer has a rotisserie type design.
- LCD displays and digital speed control allows procedures to be accurate.

Specifications

Voltage	220-240V
Frequency	50Hz
Power	40
Motor Type	DC Motor
Tilt Angle	0 - 90°
Speed Range	0-70rpm
Speed & Timer Display	LCD
Time Setting Range	1 - 1199
Operation Type	Continuous / timed operation
Dimensions	510 x 190 x 260 mm
Weight	8 kg
Permissible ambient Temperature	5-40° C
Permissible ambient Humidity	80%



E11281



E11282



E11283



E11284



E11285



E11286

CODE	Product	No. per case	Price/ Case (Rs.)
E11280	Wavex- Rotating Mixer	1	33000

Spare Accessories

CODE	Product	No. per case	Price/ Case (Rs.)
E11281	Rotisserie accessory for 1.5 ml x 48 micro centrifuge tubes horizontally	1	4830
E11282	Rotisserie accessory for 50 ml x 24 centrifuge tubes horizontally	1	5600
E11283	Rotisserie accessory for 15 ml x 24 centrifuge tubes horizontally	1	5600
E11284	Rotisserie accessory for 1.5 ml x 32 micro centrifuge tubes vertically	1	6000
E11285	Rotisserie accessory for 50 ml x 16 centrifuge tubes vertically	1	5500
E11286	Rotisserie accessory for 15 ml x 16 centrifuge tubes vertically	1	5500
E11274	Disk support rods used with disk accessories	4	1900

90. WAVEMAX - ROCKING SHAKER

Features:

- Abdos Rocking Shaker is designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing application.
- Abdos Rocking Shakers are used for staining and destaining gel, hybridization procedure, haematology and blotting techniques.
- The speed and tilt is adjustable for a wide range of applications.
- These are safe to be used in cold room and incubator.
- Abdos Rocking Shaker have a unique dual platform accessory which can be brought separately to double work surface.

Specifications

Voltage	220-240 V
Frequency	50 Hz
Shaking Movement	Rocking (2 Dimensional)
Speed Range	2 - 30 rpm, Variable
Tilt Angle	0° - 30°, Variable
Load Capacity	Maximum 2.3 kg
Dimension	350 x 300 x 200 mm
Weight	3.4 kg
Permissible ambient temperature	+4 - 65° C
Permissible relative humidity	80%



CODE	Product	Platform Size (cm)	No. per case	Price/ Each (Rs.)
E11240	WAVEMAX- Rocking Shaker with flat mat	35 x 30	1	42000

Spare Accessories

CODE	Product	No. per case	Price/ Each (Rs.)
E11241	Staking Platform with Flat Mat with 3 feet clearance	1	5000
E11242	Dimpled Mat	1	1700
E11243	Bungee Cord to secure vessels	4	1500

91. WAVEMAX - DANCING SHAKER

Features:

- Abdos Dancing Shaker is designed to provide precise speed and tilt angles required for broad range of molecular and biological mixing application.
- Abdos Dancing Shakers are used for staining and destaining gel, mixing of lab samples and blotting techniques.
- Abdos Dancing Shaker has a unique Instant Tilt technology wherein the user can simply grip the platform with two hands and move it to the desired position without any tool and disassembly.
- These are safe to be used in cold room and incubator.
- Abdos Rocking Shaker have a unique dual platform accessory which can be brought separately to double work surface.

Specifications

Voltage	220-240 V
Frequency	50 Hz
Shaking Movement	Dancing (3 Dimensional)
Speed Range	2 - 30 rpm, Variable
Tilt Angle	0° - 30° Variable
Load Capacity	Maximum 2.3 kg
Dimension	300 x 300 x 200 mm
Weight	3.4 kg
Permissible ambient temperature	+4 to +65° C
Permissible relative humidity	80%



CODE	Product	Platform Size (cm)	No. per case	Price/ Each (Rs.)
E11250	WAVEMAX - Dancing Shaker with flat mat	30 x 30	1	40000

Spare Accessories

CODE	Product	No. per case	Price/ Each (Rs.)
E11251	Staking Platform with Flat Mat with 3 feet clearance	1	5000
E11252	Staking Platform with Dimpled Mat with 3 feet clearance	1	5000
E11243	Bungee Cord to secure vessels	4	1500

92. WAVEMAX - ORBITAL SHAKER JUNIOR

Features:

- Abdos powerful orbital shaker is capable of mixing liquids in bottles, flasks, test tubes and dishes.
- Abdos orbital shaker has digital speed control of upto 300 rpm
- These shakers have horizontal circular 19 mm orbit for aeration and mixing.
- Universal magnetic clamp can be instantly exchanged.
- These shakers have a capacity of upto 12 x 125 ml, 8 x 250 ml, 6 x 500 ml and 4 x 1l flasks and bottles

Specifications

Voltage	220-240 V
Frequency	50 Hz
Shaking Movement	Orbital
Speed Range	50 - 300 rpm, Variable
Speed Increment	10 rpm
Orbit	19 mm
Load Capacity	Maximum 4 kg
Dimension	280 x 270 x 130 mm
Weight	5.5 kg
Permissible ambient temperature	+4 to +65° C
Permissible relative humidity	80%



CODE	Product	Platform Size (cm)	No. per case	Price/ Each (Rs.)
E11260	Wavemax- Orbital Shaker Junior with flat mat	24 x 20	1	58000

Spare Accessories

CODE	Product	No. per case	Price/ Each (Rs.)
E11261	Universal Magnetic platform for flasks and tube racks	1	13000
E11262	Adjustable spring platform for unique vessel types	1	18000

93. WAVEMAX - ORBITAL SHAKER

Features:

- Abdos powerful orbital shaker is capable of mixing liquids upto a load capacity of 6 kg in bottles, flasks, test tubes and dishes.
- Abdos orbital shaker has digital speed control of upto 300 rpm.
- These shakers have high capacity of upto 24 x 125 ml, 14 x 250 ml, 9 x 500 ml, 5 x 1l and 2 x 2l flasks and bottles
- These shakers have horizontal circular 19 mm orbit for aeration and mixing.
- Universal magnetic clamp can be instantly exchanged.

Specifications

Voltage	220-240V
Frequency	50 Hz
Shaking Movement	Orbital
Speed Range	30 - 300 rpm, Variable
Speed Increment	1 rpm
Orbit	19 mm
Load Capacity	Maximum 6 kg
Dimension	280 x 330 x 75 mm
Weight	11.25 kg
Permissible ambient temperature	+4 to +65° C
Permissible relative humidity	80%



CODE	Product	Platform Size (cm)	No. per case	Price/ Each (Rs.)
E11290	Wavemax - Orbital Shaker with flat mat	33 x 30	1	100000

Spare Accessories

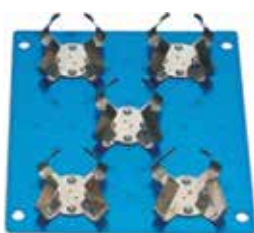
CODE	Product	No. per case	Price/ Each (Rs.)
E11291	Universal Magnetic platform for flasks and tube racks	1	14000
E11292	Adjustable spring platform for unique vessel types	1	20000
E11293	Platform for 4 microplates	1	20000
E11294	Platform for 1 x 125ml	1	16000
E11295	Platform for 8 x 250ml	1	16000
E11296	Platform for 5 x 500ml	1	16000



Universal Magnetic platform
for flasks and tube racks



Adjustable spring platform for
unique vessel types



Platform for flasks and plates
(Only for E11290)



Spare clamps for all range of
orbital shakers

SPARE CLAMPS FOR ALL RANGE OF ORBITAL SHAKERS

CODE	Product	No. per case	Price/ Each (Rs.)
E11263	Magnetic clamp for 2000 ml	1	4300
E11264	Magnetic clamp for 1000 ml	1	3500
E11265	Magnetic clamp for 500 ml	1	2200
E11266	Magnetic clamp for 250 ml	1	2100
E11267	Magnetic clamp for 125 ml	1	1950
E11268	Magnetic clamp for 50 ml	1	1950
E11269	Magnetic clamp for micro plate	1	5500

94. SWIRLTOP - Magnetic Stirrer & Hot Plate

Features:

- Swirl Top unit feature an extremely durable, chemical resistant white ceramic work surface.
- Swirl Top has advanced microprocessor control with convenient turn knobs that allow quick, precise adjustment and maintains accurate temperature and speed.
- Swirl Top is compatible with a wide variety of popular glass beakers, flasks, bottles and vessels.
- E11215 comes complete with support rod for mounting thermometers and temperature probes.



Specifications

Voltage	220 - 240 V
Frequency	50 Hz
Shaking Movement	Orbital
Temperature Range	80 - 380° C
Speed Range	60 - 1500 rpm
Dimension	200 x 230 x 115 mm
Weight	4 kg
Permissible ambient temperature	5 - 50° C
Permissible relative humidity	80%

CODE	Product	Top Plate Size (cm)	No. per case	Price/ Each (Rs.)	Price/ 3 Pieces (Rs.)	Price/ 6 Pieces (Rs.)
E11211	Magnetic Stirrer	19 x 19	1	15000	43650	84600
E11213	Hot Plate	19 x 19	1	15000	43650	84600
E11215	Magnetic Stirrer & Hot Plate	19 x 19	1	20000	58200	112800

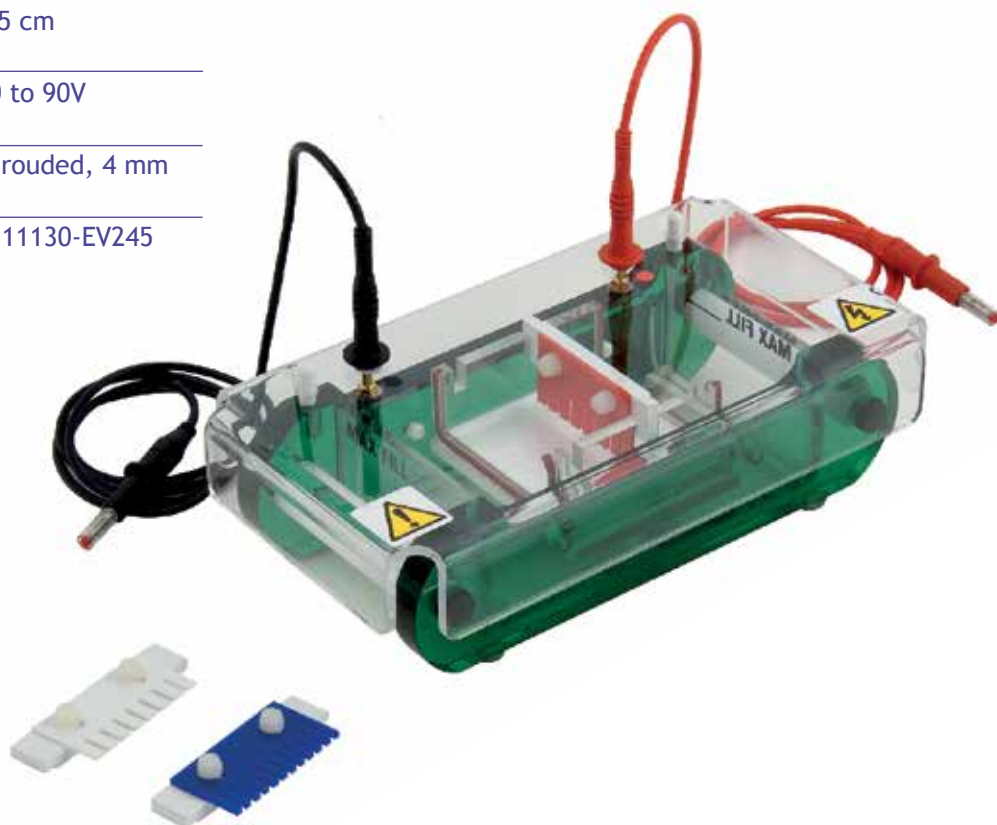
The image shows a laboratory electrophoresis setup. It consists of a large green and white power supply unit with a control panel on the right side featuring several knobs and switches. A clear plastic tank is attached to the front, containing a gel tray. A red electrode is inserted into the tank, and a red cable connects it to the power supply. A black cable is also connected to the top of the tank. The text "MAX FILL" is printed on the side of the tank. A purple banner with the word "ELECTROPHORESIS" is overlaid on the image.

ELECTROPHORESIS

95. E111120 Mini Horizontal Submarine Gel Electrophoresis System

Technical Specifications:

Unit Dimensions (W x L x H)	13 x 24 x 6.5 cm
Gel Dimensions (W x L)	6 x 7.5 cm
Buffer Volume	325 ml
Maximum Sample Capacity	32
Combs	2
Comb Thickness	1, 1.5 or 2 mm
Comb Throughput	8 to 16 samples
Comb Slots	2
Migration Distance Between Combs	3.5 cm
Recommended Running Voltage	70 to 90V
Power Output Connectors (diameter)	Shrouded, 4 mm
Recommended Power Supply	E111130-EV245



Features:

- The system has four casting options to provide total flexibility in gel casting either directly within the tank or externally when tank is in use.
- The combs are colour coded and height adjustable to offer complete control over loading volume and well depth to a maximum 32-sample throughput.
- Coloured loading strips are available for easy well detection when loading.
- Gel length is a short 6 cm ideal for rapid separations.
- The tank is very compact reducing the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time.
- UV-transparent acrylic casting tray allows user to image the gel without risk of damage due to handling.
- The system has handles on the side for safe and easy transportation around the laboratory.

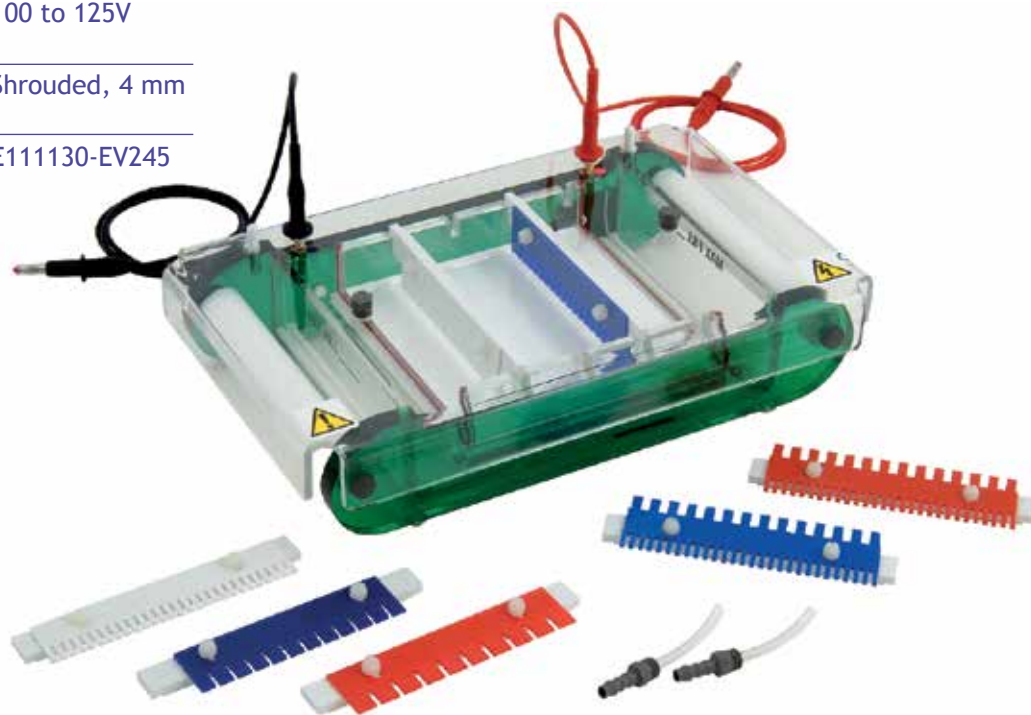
CODE	Mini Sub System/E111120 Mini Horizontal	No. Per Case	Price (Rs.)
E111120	Mini horizontal gel unit with removable casting tray and 2x1mm thick, 8-sample combs and coloured loading strips	1	31080
Accessories for Mini Sub System Mini Horizontal			
E111120-UT	Gel casting tray 6 x 7.5cm	1	5570
E111120-SCG	Silicon casting gates	2	3280
E111128-SG	Silicon gasket, 1 mtr	1	1310
E111120-SS	Scie-Plas Super seals	2	2380
E111120-CS	Coloured loading strips	6	1120
E111120-CU	External casting unit for 3 gel casting trays	1	5460
E111120-GS	Gel scoop 6 x 8.5 cm	1	4590
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4mm power output connectors	2	5190
E111120-C1-8	E111120 Comb, Thickness 1 mm, 8-wells, well volume:20µl	1	2380
E111120-C1-12MC	E111120 Comb, Thickness 1 mm, 12-wells, well volume:11µl	1	2380
E111120-C1-16	E111120 Comb, Thickness 1 mm, 16-wells, well volume:10µl	1	2380
E111120-C1.5-8	E111120 Comb, Thickness 1.5 mm, 8-wells, well volume:30µl	1	2380
E111120-C1.5-12MC	E111120 Comb, Thickness 1.5 mm, 12-wells, well volume:17µl	1	2380
E111120-C1.5-16	E111120 Comb, Thickness 1.5 mm, 16-wells, well volume:15µl	1	2380
E111120-C2-8	E111120 Comb, Thickness 2 mm, 8-wells, well volume:40µl	1	2380
E111120-C2-12MC	E111120 Comb, Thickness 2 mm, 12-wells, well volume:22µl	1	2380
E111120-C2-16	E111120 Comb, Thickness 2 mm, 16-wells, well volume:20µl	1	2380

MC indicates Multi-channel pipette compatible.

96. E111121 Midi Horizontal Midi Sub System

Technical Specifications:

Unit Dimensions (W x L x H)	20 x 32 x 7 cm
Gel Dimensions (W x L)	12.8 x 15 cm
Buffer Volume	900 ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	112
Combs	2
Comb Thickness	1, 1.5 or 2 mm
Comb Throughput	10 to 28 samples
Comb Slots	4
Migration Distance Between Combs	3.5 cm
Recommended Running Voltage	100 to 125V
Power Output Connectors	Shrouded, 4 mm (diameter)
Recommended Power Supply	E111130-EV245



Features:

- The system has four casting options to provide total flexibility in gel casting either directly within the tank or externally when tank is in use.
- The combs are colour coded and height adjustable to offer complete control over loading volume and well depth to a maximum 112-sample throughput.
- Coloured loading strips are available for easy well detection when loading.
- The system has four comb positions at 3.5cm intervals along the tray for fast separation of multiple samples.
- The system comes with buffer circulation ports that may be connected to a peristaltic pump for buffer circulation during electrophoresis to maintain buffer pH and prevent ionic gradient formation.
- The tank is very compact reducing the buffer volume required to cover the gel, providing greater control over the voltage gradient and run-time.
- UV-transparent acrylic casting tray allows user to image the gel without risk of damage due to handling.
- The system has handles on the side for safe and easy transportation around the laboratory.

CODE	Midi Sub System/E111121 Midi Horizontal	No. Per Case	Price (Rs.)
E111121	Midi horizontal gel unit with removable casting tray: 2x1mm thick 16-sample combs, coloured loading strips and buffer recirculation ports	1	37800
Accessories for Midi Sub System/ Midi Horizontal			
E111121-UT	Gel casting tray 12.8 x 15cm	1	6390
E111121-SCG	Silicon casting gates	2	3080
E111128-SG	Silicon gasket, 1 mtr	1	1310
E111121-SS	Scie-Plas Super seals	2	2660
E111121-CS	Coloured loading strips	6	1400
E111121-CU	External casting unit for 3 gel casting trays	1	7140
E111121-GS	Gel scoop 13 x 15 cm	1	4800
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4mm power output connectors	2	5190
E111121-C1-10	E111121 Combs, Thickness 1 mm, 10-wells, well volume:40µl	1	3080
E111121-C1-12MC	E111121 Combs, Thickness 1 mm, 12-wells, well volume:35µl	1	3080
E111121-C1-16	E111121 Combs, Thickness 1 mm, 16-wells, well volume:25µl	1	3080
E111121-C1-20	E111121 Combs, Thickness 1 mm, 20-wells, well volume:17µl	1	3080
E111121-C1-24	E111121 Combs, Thickness 1 mm, 24-wells, well volume:13µl	1	3080
E111121-C1-28MC	E111121 Combs, Thickness 1 mm, 28-wells, well volume:13µl	1	3080
E111121-C1.5-10	E111121 Combs, Thickness 1.5 mm, 10-wells, well volume:60µl	1	3080
E111121-C1.5-12MC	E111121 Combs, Thickness 1.5 mm, 12-wells, well volume:50µl	1	3080
E111121-C1.5-16	E111121 Combs, Thickness 1.5 mm, 16-wells, well volume:35µl	1	3080
E111121-C1.5-20	E111121 Combs, Thickness 1.5 mm, 20-wells, well volume:25µl	1	3080
E111121-C1.5-24	E111121 Combs, Thickness 1.5 mm, 24-wells, well volume:20µl	1	3080
E111121-C1.5-28MC	E111121 Combs, Thickness 1.5 mm, 28-wells, well volume:20µl	1	3080
E111121-C2-10	E111121 Combs, Thickness 2 mm, 10-wells, well volume:85µl	1	3080
E111121-C2-12MC	E111121 Combs, Thickness 2 mm, 12-wells, well volume:70µl	1	3080
E111121-C2-16	E111121 Combs, Thickness 2 mm, 16-wells, well volume:50µl	1	3080
E111121-C2-20	E111121 Combs, Thickness 2 mm, 20-wells, well volume:35µl	1	3080
E111121-C2-24	E111121 Combs, Thickness 2 mm, 24-wells, well volume:25µl	1	3080
E111121-C2-28MC	E111121 Combs, Thickness 2 mm, 28-wells, well volume:25µl	1	3080

MC indicates Multi-channel pipette compatible.

97. E111122 Maxi-Standard Horizontal Submarine Gel Electrophoresis System

Technical Specifications:

Unit Dimensions (W x L x H)	27 x 47.5 x 8 cm
Gel Dimensions (W x L)	20 x 20 cm
Buffer Volume	2200 ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	168
Combs	2
Comb Thickness	1, 1.5 or 2 mm
Comb Throughput	16 to 42 samples
Comb Slots	4
Migration Distance Between Combs	5 cm
Recommended Running Voltage	150 to 175V
Power Output Connectors (diameter)	Shrouded, 4 mm
Recommended Power Supply	E111130-EV245



Features:

- The system has large 20 x 20 cm gel tray that is ideal for high-resolution techniques, such as screening PCR products and RFLP analysis.
- The combs are colour coded and height adjustable to offer complete control over loading volume and well depth.
- Coloured loading strips are available for easy well detection when loading.
- The system has four comb slots at 5cm intervals along the tray for fast separation of a maximum of 168 samples.
- The system comes with buffer circulation ports that may be connected to a peristaltic pump for buffer circulation during electrophoresis to maintain buffer pH and prevent ionic gradient formation.
- The combs in this system is compatible to multi-channel pipette with maximum of 42 sample throughput to reduce gel-loading time.
- UV-transparent acrylic casting tray allows user to image the gel without risk of damage due to handling.
- The system has handles on the side for safe and easy transportation around the laboratory.

CODE	Maxi Sub System/E111122 Maxi-Standard Horizontal	No. Per Case	Price (Rs.)
E111122	Maxi- standard horizontal gel unit with removable casting tray, including casting gates with integral silicon seals, 2x1mm thick, 16-sample combs, coloured loading strips and buffer recirculation ports.	1	58800
Accessories for Maxi Sub System/ Maxi-Standard Horizontal			
E111122-UT	Gel casting tray 20x20cm, including casting gates with integral silicon seals	1	14740
E111122-CG	Silicon casting gates with integral silicon seals	2	6550
E111128-SG	Silicon gasket, 1 mtr	1 mtr	1310
E111122-SS	Scie-Plas Super seals	2	2660
E111122-CS	Coloured loading strips	12	1680
E111122-GS	Gel scoop 20 x 25 cm	1	5730
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4mm power output connectors	2	5190
E111122-C1-16	E111122 Combs, Thickness 1 mm, 16-wells, well volume:35µl	1	3220
E111122-C1-20MC	E111122 Combs, Thickness 1 mm, 20-wells, well volume:30µl	1	3220
E111122-C1-28	E111122 Combs, Thickness 1 mm, 28-wells, well volume:20µl	1	3220
E111122-C1-40MC	E111122 Combs, Thickness 1 mm, 40-wells, well volume:13µl	1	3220
E111122-C1.5-16	E111122 Combs, Thickness 1.5 mm, 16-wells, well volume:55µl	1	3220
E111122-C1.5-20MC	E111122 Combs, Thickness 1.5 mm, 20-wells, well volume:45µl	1	3220
E111122-C1.5-28	E111122 Combs, Thickness 1.5 mm, 28-wells, well volume:30µl	1	3220
E111122-C1.5-40MC	E111122 Combs, Thickness 1.5 mm, 40-wells, well volume:19µl	1	3220
E111122-C2-16	E111122 Combs, Thickness 2 mm, 16-wells, well volume:75µl	1	3220
E111122-C2-20MC	E111122 Combs, Thickness 2 mm, 20-wells, well volume:60µl	1	3220
E111122-C2-28	E111122 Combs, Thickness 2 mm, 28-wells, well volume:40µl	1	3220
E111122-C2-40MC	E111122 Combs, Thickness 2 mm, 40-wells, well volume:25µl	1	3220

MC indicates Multi-channel pipette compatible.

98. E111134 Maxi-Plus Standard Horizontal

Technical Specifications:

Unit Dimensions (W x L x H)	33 x 56 x 9 cm
Gel Dimensions (W x L)	25 x 30 cm
Buffer Volume	3000 ml
Buffer Recirculation Ports	2
Maximum Sample Capacity	624
Combs	6
Comb Thickness	1, 1.5 or 2 mm
Comb Throughput	26 to 52 samples
Comb Slots	12
Migration Distance Between Combs Slots	2 cm
Recommended Running Voltage	150 to 200V
Power Output Connectors (diameter)	Shrouded, 4 mm
Recommended Power Supply	E111130-EV245



Features:

- This system has large 25 x 30 cm gel tray ideal for high-throughput techniques such as HLA typing and screening PCR® products.
- Twelve comb slots at 2 cm intervals along the tray for rapid, high throughput separation of a maximum 624 samples.
- Multi-channel pipette compatible combs with a maximum 52-sample throughput-allow samples to be loaded quickly and easily from 96 and 384-well thermal cyclers.
- Colour coded and height-adjustable combs offer complete control over loading volume and well depth.
- Buffer recirculation ports maybe connected to a peristaltic pump for buffer recirculation during electrophoresis to maintain buffer pH and preveny ionic gradient formation.
- This system contains coloured loading strips for easy well detection when loading.
- UV-transparent acrylic casting tray allows the user to image the gel without risk of damage due to handling.
- The system contains side handles for safe and easy transportation around the laboratory.

CODE	Maxi Sub System/E111134 Maxi-Plus Standard Horizontal	No. Per Case	Price (Rs.)
E111134	Maxi-plus standard horizontal gel unit with removable casting tray, including casting gates with integral silicon seals, 6x1mm thick, 26-sample combs, coloured loading strips and buffer recirculation ports.	1	74620
Accessories for Maxi Sub System/ Maxi-Standard Horizontal			
E111134-UT	Gel casting tray 25x30cm, including casting gates with integral silicon seals	1	16710
E111134-CG	Casting gates with integral silicon seals	2	6550
E111128-SG	Silicon gasket, 1 mtr	1	1310
E111134-SS	Scie-Plas Super seals	2	2940
E111134-CS	Coloured loading strips	36	2660
E111134-GS	Gel scoop 25 x 32.5 cm	1	6550
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4mm power output connectors	2	5190
E111134-C1-26MC	E111134 Combs, Thickness 1 mm, 26-wells, well volume:30µl	1	4620
E111134-C1-52MC	E111134 Combs, Thickness 1 mm, 52-wells, well volume:13µl	1	4620
E111134-C1.5-26MC	E111134 Combs, Thickness 1.5 mm, 26-wells, well volume:45µl	1	4620
E111134-C1.5-52MC	E111134 Combs, Thickness 1.5 mm, 52-wells, well volume:20µl	1	4620
E111134-C2-26MC	E111134 Combs, Thickness 2 mm, 26-wells, well volume:60µl	1	4620
E111134-C2-52MC	E111134 Combs, Thickness 2 mm, 52-wells, well volume:25µl	1	4620

MC indicates Multi-channel pipette compatible.

99. E111123 Single-Plate Mini-Gel Electrophoresis System

Technical Specifications:

Unit Dimensions (W x D x H)	21.5 x 12.5 x 13.5 cm
Bottom Reservoir Dimensions (W x D x H)	16.5 x 6 x 3.5 cm
Plate Dimensions (W x H x T)	10 x 10 x 0.2 cm
Standard Spacer Dimensions (W x H x T)	1 x 10 x 0.1 cm
Active Gel Dimensions (W x H)	8 x 8.5 cm
Maximum Sample Capacity	1 x 20
Recommended Buffer Volume	
Inner Buffer Chamber	50 ml
Lower Buffer Chamber	250 ml
Recommended Running Conditions for Denaturing/ Native PAGE Gel Voltage	50 - 100 V (5 -10V/m)
Current	5-10mA
Time	1.5 - 2.5h
Power Output Connectors (diameter)	Shrouded, 4 mm
Recommended Power Supply	E111130 - EV245



Features:

- The system is a single plate 10 x 10 cm mini-gel unit a simple, non-cooled cost-effective solution for low throughput PAGE.
- The system contains 2 and 10 gel multicasters.
- The system is compatible with standard, 10 x 10cm (W x H) commercially available precast gels.
- Two (2) mm thick float glass plates guarantee uniform gel thickness and even sample migration with ground edges to inhibit sample leakage during casting.
- Optional E111124-SGB silicone gasket allows the GRM to be adapted for the 'non-eared' or short glass plates of major alternative brands.
- Single screw for fast electrophoresis set-up.
- Low buffer volume within the inner chamber of the GRM and bottom reservoir economises buffer consumption.
- Ventilation holes in the system prevent the build-up of condensation during electrophoresis.
- Colour Coded combs and spacers available in 0.75, 1, 1.5 and 2 mm thickness.
- The system has a small footprint area and occupies minimal bench space.

CODE	Vertical Mini Gel System/E111123 Single Plate Mini Gel Electrophoresis Unit	No. Per Case	Price(Rs.)
E111123	Single-plate mini-gel unit with GRM and integral lower buffer chamber, lid, 2x(10x10cm; W x H) plain glass plates 2x1mm spacers, 2 x spacer aligners, 2 x(10x10cm) notched glass plates and 1 x 1mm thick 12-sample comb	1	37700

CODE	Accessories for E111123 Single Plate Mini Gel Electrophoresis Unit	No. Per Case	Price (Rs.)
E111124-PGS0.75	(10x10cm) plain glass plates with 0.75mm bonded spacers for E111123	2	4200
E111124-PGS1	(10x10cm) plain glass plates with 1 mm bonded spacers for E111123	2	4200
E111124-PGS1.5	(10x10cm) plain glass plates with 1.5 mm bonded spacers for E111123	2	4200
E111124-PGS2	(10x10cm) plain glass plates with 2 mm bonded spacers for E111123	2	4200
E111124-PG	(10x10cm) plain glass plates for E111123	2	1820
E111124-NG	(10x10cm) notched glass plates for E111123	2	4200
E111124-S0.75	0.75mm thick spacers for E111123	2	1400
E111124-S1	1 mm thick spacers for E111123	2	1400
E111124-S1.5	1.5 mm thick spacers for E111123	2	1400
E111124-S2	2 mm thick spacers for E111123	2	1400
E111124-SA	Spacer aligners for E111123	2	2400
E111124-MC2	Caster system for 2x(10 x10cm) gradient mini-gels	1	33600
E111124-MC10	Caster system for 10x(10 x10cm) gradient mini-gels	1	41860
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4 mm power connectors	2	5190
E111124-C0.75-8MC	E111123 Combs, Thickness 0.75mm, 8-wells, well volume:67µl	1	2240
E111124-C0.75-10	E111123 Combs, Thickness 0.75mm, 10-wells, well volume:45µl	1	2240
E111124-C0.75-12	E111123 Combs, Thickness 0.75mm, 12-wells, well volume:42µl	1	2240
E111124-C0.75-16MC	E111123 Combs, Thickness 0.75mm, 16-wells, well volume:28µl	1	2240
E111124-C1-8MC	E111123 Combs, Thickness 1 mm, 8-wells, well volume:90µl	1	2240
E111124-C1-10	E111123 Combs, Thickness 1 mm, 10-wells, well volume:60µl	1	2240
E111124-C1-12	E111123 Combs, Thickness 1 mm, 12-wells, well volume:57µl	1	2240
E111124-C1-16MC	E111123 Combs, Thickness 1 mm, 16-wells, well volume:37µl	1	2240
E111124-C1-20	E111123 Combs, Thickness 1 mm, 20-wells, well volume:30µl	1	2240
E111124-C1.5-8MC	E111123 Combs, Thickness 1.5mm, 8-wells, well volume:120µl	1	2240
E111124-C1.5-10	E111123 Combs, Thickness 1.5mm, 10-wells, well volume:90µl	1	2240
E111124-C1.5-12	E111123 Combs, Thickness 1.5mm, 12-wells, well volume:84µl	1	2240
E111124-C1.5-16MC	E111123 Combs, Thickness 1.5mm, 16-wells, well volume:55µl	1	2240
E111124-C1.5-20	E111123 Combs, Thickness 1.5mm, 20-wells, well volume:45µl	1	2240
E111124-C2-8MC	E111123 Combs, Thickness 2 mm, 8-wells, well volume:180µl	1	2240
E111124-C2-10	E111123 Combs, Thickness 2 mm, 10-wells, well volume:120µl	1	2240
E111124-C2-12	E111123 Combs, Thickness 2 mm, 12-wells, well volume:112µl	1	2240
E111124-C2-16MC	E111123 Combs, Thickness 2 mm, 16-wells, well volume:75µl	1	2240

MC indicates Multi-channel pipette compatible.

100. E111124Y Standard & E111124YK Cooled Twin -Plate Mini-Gel Electrophoresis Unit

Technical Specifications:	E111124Y	E111124YK
Unit Dimensions (W x D x H)	20 x 15 x 14 cm	28 x 15 x 18 cm
Inner Tank Dimensions (W x D x H)	16.5 x 11 x 11.5 cm	16.5 x 11 x 15 cm
Plate Dimensions (W x H x T)	10 x 10 x 0.2 cm	10 x 10 x 0.2 cm
Standard Spacer Dimensions (W x H x T)	1 x 10 x 0.1 cm	1 x 10 x 0.1 cm
Active Gel Dimensions (W x H)	8 x 8.5 cm	8 x 8.5 cm
Maximum Sample Capacity	2 x 16	2 x 16
Recommended Buffer Volume	Inner Buffer Chamber 90 ml Gel Tank 1200 ml	Inner Buffer Chamber 90 ml Gel Tank 1600 ml
Snap Lock Connectors for Cooling Coil	Inner Diameter n/a Outer Diameter n/a	Inner Diameter 10 mm Outer Diameter 12 mm
Quick-fit Tubing	Inner Diameter n/a Outer Diameter n/a	Inner Diameter 10 mm Outer Diameter 12 mm
Casting Base Silicone Seal Dimensions (W x L x H)	1.5 x 11 x 0.8 cm	1.5 x 11 x 0.8 cm
Power Output Connectors (diameter)	Shrouded, 4 mm	Shrouded, 4 mm
Recommended Power Supply	E111130 - EV245	E111130 - EV245



Features:

- The system is a twin plate 10 x 10 cm mini-gel unit designed specifically for PAGE techniques requiring self-cast gels, although precast gels may also be used.
- The system contains standard casting units.
- The system is compatible with standard, 10 x 10cm (W x H) commercially available precast gels.
- Two (2) mm thick float glass plates guarantee uniform gel thickness and even sample migration with ground edges to inhibit sample leakage during casting.
- Standard E111124Y - non-cooled + casting and Cooled E111124YK - cooled + casting versions available.
- Enhanced cooling in E111124YK - snap-lock connectors allow the cooling coil to be connected to an external chiller unit for faster, higher voltage separations.
- Glass plate stops within the newly modified GRM -lock the glass plates firmly into position onto soft silicone gaskets in casting base to ensure leak-free gel casting.
- Single screws at either side of each gel clamping plate - act in conjunction with a counterbalanced, dovetailed silicone gasket to disperse pressure evenly along the height and breadth of the gel as the screws are tightened.
- Low buffer volume within the inner chamber of the GRM and bottom reservoir economises buffer consumption.
- Colour Coded combs and spacers available in 0.75, 1, 1.5 and 2 mm thickness.
- The system has a small footprint area and occupies minimal bench space.

CODE	Description	No. Per Case	Price(Rs.)
E111124Y	Twin-plate mini-gel unit with GRM and gel tank, lid, 2x(10x10cm;w x h) plain glass plates, 4x1 mm spacers, 2x spacer aligners, 2x(10x10cm) notched glass plates, 1x dummy plate and 2x 1mm thick 12-sample combs plus casting base and 2 x silicone seals.	1	62860
E111124YK	Twin-plate mini-gel unit with GRM and cooled gel tank, with built-in cooling coil and quick-fit tubing, plus lid, 2x(10x10cm;w x h) plain glass plates, 4x1 mm spacers, 2x spacer aligners, 2x(10x10cm) notched glass plates, 1x dummy plate and 2x 1mm thick 12-sample combs plus casting base and 2 x silicone seals.	1	75460

CODE	Accessories for E111124Y & E111124YK Standard Twin Plate Mini Gel Electrophoresis Unit	No. Per Case	Price (Rs.)
E111124-GRM	E111124 gel running module	1	37240
E111149-TCS-CC	Quick-fit tubes for cooling coil	2	6100
E111124-PGS0.75	(10x10cm)plain glass plates with 0.75mm bonded spacers for E111124	2	4200
E111124-PGS1	(10x10cm)plain glass plates with 1 mm bonded spacers for E111124	2	4200
E111124-PGS1.5	(10x10cm)plain glass plates with 1.5 mm bonded spacers for E111124	2	4200
E111124-PGS2	(10x10cm)plain glass plates with 2 mm bonded spacers for E111124	2	4200
E111124-PG	(10x10cm)plain glass plates for E111124	2	1820
E111124-NG	(10x10cm)notched glass plates for E111124	2	4200
E111124-DP	(10x10cm) dummy plate	1	1370
E111124-S0.75	0.75mm thick spacers for E111124	2	1400
E111124-S1	1 mm thick spacers for E111124	2	1400
E111124-S1.5	1.5 mm thick spacers for E111124	2	1400
E111124-S2	2 mm thick spacers for E111124	2	1400
E111124-SA	Spacer aligners for E111124	2	2400
E111124-CB	Cam-pin casting base with 2 silicon seals	1	17360
E111124-CB-SEALS	Silicon seals for cam-pin casting base	2	1260
E111124-MC2	Caster system for 2x(10 x10cm) gradient mini-gels	1	33600
E111124-MC10	Caster system for 10x(10 x10cm) gradient mini-gels	1	41860
E111124-SGB	Silicon gaskets for "non-eared" glass plates	2	3780
E111126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E111127-CABLE-4	1 metre power leads with shrouded 4 mm power connectors	2	5190
E111124-C0.75-8MC	E111123 Combs, Thickness 0.75mm, 8-wells, well volume:67µl	1	2240
E111124-C0.75-10	E111123 Combs, Thickness 0.75mm, 10-wells, well volume:45µl	1	2240
E111124-C0.75-12	E111123 Combs, Thickness 0.75mm, 12-wells, well volume:42µl	1	2240
E111124-C0.75-16MC	E111123 Combs, Thickness 0.75mm, 16-wells, well volume:28µl	1	2240
E111124-C1-8MC	E111123 Combs, Thickness 1 mm, 8-wells, well volume:90µl	1	2240
E111124-C1-10	E111123 Combs, Thickness 1 mm, 10-wells, well volume:60µl	1	2240
E111124-C1-12	E111123 Combs, Thickness 1 mm, 12-wells, well volume:56µl	1	2240
E111124-C1-16MC	E111123 Combs, Thickness 1 mm, 16-wells, well volume:37µl	1	2240
E111124-C1.5-8MC	E111123 Combs, Thickness 1.5mm, 8-wells, well volume:120µl	1	2240
E111124-C1.5-10	E111123 Combs, Thickness 1.5mm, 10-wells, well volume:90µl	1	2240
E111124-C1.5-12	E111123 Combs, Thickness 1.5mm, 12-wells, well volume:84µl	1	2240
E111124-C1.5-16MC	E111123 Combs, Thickness 1.5mm, 16-wells, well volume:55µl	1	2240
E111124-C2-8MC	E111123 Combs, Thickness 2 mm, 8-wells, well volume:180µl	1	2240
E111124-C2-10	E111123 Combs, Thickness 2 mm, 10-wells, well volume:120µl	1	2240
E111124-C2-12	E111123 Combs, Thickness 2 mm, 12-wells, well volume:112µl	1	2240
E111124-C2-16MC	E111123 Combs, Thickness 2 mm, 16-wells, well volume:75µl	1	2240

MC indicates Multi-channel pipette compatible.

101. E111125Y Standard Twin-Plate Wide Format Mini-Gel Electrophoresis Unit with casting

Technical Specifications:

Unit Dimensions (W x D x H)	30 x 15 x 14 cm
Inner Tank Dimensions (W x D x H)	27 x 11 x 11.5 cm
Plate Dimensions (W x H x T)	20.5 x 10 x 0.4 cm
Standard Spacer Dimensions (W x H x T)	2 x 20 x 0.1 cm
Active Gel Dimensions (W x H)	16.5 x 8.5 cm
Maximum Sample Capacity	2 x 48
Recommended Buffer Volume	Inner Buffer Chamber 300 ml Gel Tank 2800 ml
Recommended Running Conditions for Denaturing/ Native PAGE Gel	Voltage 100-150V (10-15V/ cm) Current 10-15 mA Time 1.5 - 2h
Casting Base Silicone Seal Dimensions (W x L x H)	1.7 x 22.5 x 0.8 cm
Power Output Connectors	Shrouded, 4 mm (diameter)
Recommended Power Supply	E111130 - EV245



Features:

- The system is a twin plate 20.5 x 10 cm wide format mini-gel unit designed specifically for PAGE techniques requiring self-cast gels.
- The system has wide format 20.5 cm gel width effectively allows 2 mini-gels to be run within the same gels.
- The system contains standard casting units.
- Four (4) mm thick float glass plates guarantee uniform gel thickness and even sample migration and with ground edges to inhibit sample leakage during casting.
- Glass plate stops within the newly modified GRM -lock the glass plates firmly into position onto soft silicone gaskets in casting base to ensure leak-free gel casting.
- Twin screws on each gel-clamp - act in conjunction with a counterbalanced, dovetailed silicone gasket to disperse pressure evenly along the height and breadth of the gel as the screws are tightened.
- Colour coded combs and spacers available in 0.75, 1, 1.5 and 2 mm thickness.

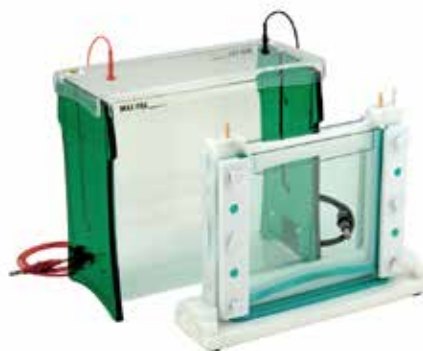
CODE	E111125Y Standard Twin Plate Wide Format Mini Gel Electrophoresis Unit with casting	No. Per Case	Price (Rs.)
E111125Y	Twin-plate wide format mini-gel unit with GRM and gel tank, lid, 2x(20.5x10 cm;W x H) plain glass plates,4x1 mm spacers,2x spacer aligners, 2x(20.5x10 cm) notched glass plates, 1x dummy plate and 2x 1mm thick 24-sample combs, casting base and 2 x silicone seals.	1	96320

CODE	Accessories for E111125 Standard Twin Plate Wide Format Mini Gel Electrophoresis Unit	No. Per Case	Price (Rs.)
E111125-GRM	E111125 gel running module	1	43570
E111125-PGS0.75	(20.5x10cm)plain glass plates with 0.75mm bonded spacers for E111125	2	3920
E111125-PGS1	(20.5x10cm)plain glass plates with 1 mm bonded spacers for E111125	2	3920
E111125-PGS1.5	(20.5x10cm)plain glass plates with 1.5 mm bonded spacers for E111125	2	3920
E111125-PGS2	(20.5x10cm)plain glass plates with 2 mm bonded spacers for E111125	2	3920
E111125-PG	(20.5x10cm)plain glass plates for E111125	2	2800
E111125-NG	(20.5x10cm)notched glass plates for E111125	2	6300
E111125-DP	(20.5x10cm) dummy plate	1	1820
E111125-S0.75	0.75mm thick spacers for E111125	2	1820
E111125-S1	1 mm thick spacers for E111125	2	1820
E111125-S1.5	1.5 mm thick spacers for E111125	2	1820
E111125-SA	Spacer aligners for E111125	2	3300
E111125-CB	Cam-pin casting base with 2 silicon seals	1	20160
E111125-MC2	Caster system for 2x(20.5 x10cm) gradient wide format mini-gels	1	41860
E11126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E11127-CABLE-4	1 metre power leads with shrouded 4 mm power connectors	2	5190
E111125-C0.35-24	E111125 Combs, Thickness 0.35 mm, 24-wells, well volume:8µl	1	2520
E111125-C0.35-36MC	E111125 Combs, Thickness 0.35 mm,36-wells, well volume:4µl	1	2520
E111125-C0.75-18MC	E111125 Combs, Thickness 0.75 mm, 18-wells, well volume:90µl	1	2520
E111125-C0.75-24	E111125 Combs, Thickness 0.75 mm, 24-wells, well volume:71µl	1	2520
E111125-C0.75-36MC	E111125 Combs, Thickness 0.75 mm, 36-wells, well volume:37µl	1	2520
E111125-C0.75-48	E111125 Combs, Thickness 0.75 mm, 48-wells, well volume:35µl	1	2520
E111125-C1-18MC	E111125 Combs, Thickness 1 mm, 18-wells, well volume:120µl	1	2520
E111125-C1-24	E111125 Combs, Thickness 1 mm, 24-wells, well volume:95µl	1	2520
E111125-C1-36MC	E111125 Combs, Thickness 1 mm, 36-wells, well volume:50µl	1	2520
E111125-C1-48	E111125 Combs, Thickness 1 mm, 48-wells, well volume:47µl	1	2520
E111125-C1.5-18MC	E111125 Combs, Thickness 1.5 mm, 18-wells, well volume:180µl	1	2520
E111125-C1.5-24	E111125 Combs, Thickness 1.5 mm, 24-wells, well volume:142µl	1	2520
E111125-C1.5-36MC	E111125 Combs, Thickness 1.5 mm, 36-wells, well volume:75µl	1	2520
E111125-C1.5-48	E111125 Combs, Thickness 1.5 mm, 48-wells, well volume:70µl	1	2520

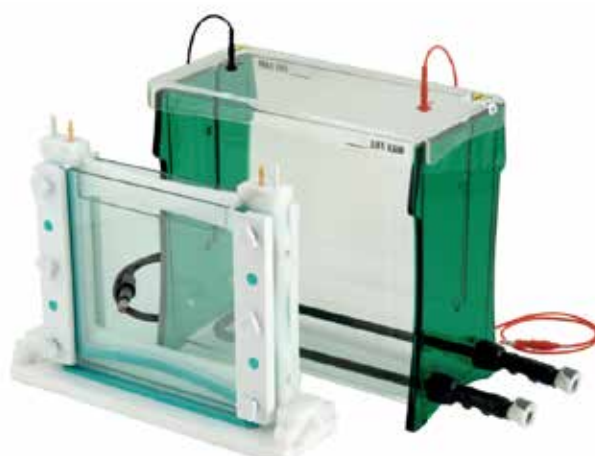
MC indicates Multi-channel pipette compatible.

102. E111135Y Standard & E111135YK Cooled Twin-Plate Maxi-Gel Electrophoresis Unit

Technical Specifications: E111135Y		E111135YK
Unit Dimensions (W x D x H)	28.5 x 15 x 27.5 cm	38 x 15 x 27.5 cm
Inner Tank Dimensions (W x D x H)	27 x 12.5 x 25 cm	27 x 12.5 x 25 cm
Plate Dimensions (W x H x T)	20.5 x 20 x 0.4 cm	20.5 x 20 x 0.4 cm
Standard Spacer Dimensions (W x H x T)	2 x 20 x 0.1 cm	2 x 20 x 0.1 cm
Active Gel Dimensions (W x H)	16.5 x 17.5 cm	16.5 x 17.5 cm
Maximum Sample Capacity	2 x 48	2 x 48
Recommended Buffer Volume	Inner Buffer Chamber 700 ml Gel Tank 4200 ml	Inner Buffer Chamber 700 ml Gel Tank 4200 ml
Recommended Running Conditions for Denaturing/ Native PAGE Gel	Voltage 175 - 225V (8.75 - 11.25V/cm) Current 20 - 30mA Time 2.5 - 3.5h	Voltage 200 - 300V (10 - 15V/cm) Current 30 - 40mA Time 2 - 2.5h
Snap Lock Connectors for Cooling Coil	Inner Diameter n/a Outer Diameter n/a	Inner Diameter 10 mm Outer Diameter 12 mm
Quick-fit Tubing	Inner Diameter n/a Outer Diameter n/a	Inner Diameter 10 mm Outer Diameter 12 mm
Casting Base Silicone Seal Dimensions (W x L x H)	1.7 x 22.5 x 0.8 cm	1.7 x 22.5 x 0.8 cm
Power Output Connectors (diameter)	Shrouded, 4 mm	Shrouded, 4 mm
Recommended Power Supply	E111130 - EV245	E111130 - EV245



E111135Y



E111135YK

Features:

- The system is a twin plate 20.5 x 20 cm maxi-gel unit designed specifically for higher resolution PAGE techniques requiring self-cast gels.
- The system has large format 20.5 x 20.5 cm glass plate dimensions are ideal for running higher percentage polyacrylamide gels to resolve smaller proteins of similar molecular weight.
- The system contains standard casting units.
- Four (4) mm thick float glass plates guarantee uniform gel thickness and even sample migration and with ground edges to inhibit sample leakage during casting.
- Standard E111135Y - non-cooled + casting and Cooled E111135YK - cooled + casting versions available.
- Enhanced cooling in E111135YK -snap-lock connectors allow the cooling coil to be connected to an external chiller unit for faster, higher voltage separations.
- Glass plate stops within the newly modified GRM -lock the glass plates firmly into position onto soft silicone gaskets in casting base to ensure leak-free gel casting.
- Triple screw on each gel clamp - act in conjunction with a counterbalanced, dovetailed silicone gasket to disperse pressure evenly along the height and breadth of the gel as the screws are tightened.
- Colour Coded combs and spacers available in 0.75, 1, 1.5 and 2 mm thickness.

CODE	E111135Y Non-Cooled Standard Twin Plate Maxi-Gel Electrophoresis Unit with casting	No. Per Case	Price (Rs.)
E111135Y	Twin-plate wide format mini-gel unit with GRM and gel tank, lid, 2x(20.5 x 20cm;w x h) plain glass plates,4x1 mm spacers,2x spacer aligners, 2x(20.5 x 20cm) notched glass plates, 1x dummy plate and 2 x 1mm thick 24-sample combs, casting base and 2 x silicone seals.	1	96320

CODE	E111135YK Cooled Twin-Plate Maxi-Gel Electrophoresis Unit with casting	No. Per Case	Price (Rs.)
E111135YK	Twin-plate wide format mini-gel unit with GRM and cooled gel tank, with built-in cooling coil and quick-fit tubing, plus lid, 2x(20.5 x 20cm;w x h) plain glass plates,4x1 mm spacers,2x spacer aligners, 2x(20.5 x 20cm) notched glass plates, 1x dummy plate and 2 x 1mm thick 24-sample combs, casting base and 2 x silicone seals.	1	116340
Accessories for E111135Y & E111135YK Standard Twin Plate Maxi-Gel Electrophoresis Unit with casting			
E111135-GRM	E111135 gel running module	1	50400
E111149-TCS-CC	Quick-fit tubes for cooling coil	2	6100
E111135-PGS0.75	20.5x20cm plain glass plates with 0.75mm bonded spacers for E111135	2	3500
E111135-PGS1	20.5x10cm plain glass plates with 1 mm bonded spacers for E111135	2	3500
E111135-PGS1.5	20.5x10cm plain glass plates with 1.5 mm bonded spacers for E111135	2	3500
E111135-PGS2	20.5x10cm plain glass plates with 2 mm bonded spacers for E111135	2	3500
E111135-PG	20.5x10cm plain glass plates for E111135	2	3220
E111135-NG	20.5x10cm notched glass plates for E111135	2	4760
E111135-DP	20.5x10cm dummy plate	1	4200
E111135-S0.75	0.75mm thick spacers for E111135	2	1820
E111135-S1	1 mm thick spacers for E111135	2	1820
E111135-S1.5	1.5 mm thick spacers for E111135	2	1820
E111135-S2	2 mm thick spacers for E111135	2	1820
E111135-SA	Spacer aligners for E111135	2	3300
E111135-CB	Cam-pin casting base with 2 silicon seals	1	20160
E111135-MC2	Caster system for 2x(20.5 x10cm) gradient wide format mini-gels	1	50400
E11126-PT-0.2	0.2mm thick, platinum electrode wire	2	9630
E11127-CABLE-4	1 metre power leads with shrouded 4 mm power connectors	2	5190
E111125-C0.35-24	E111135 Combs, Thickness 0.35 mm, 24-wells, well volume:8µl	1	2520
E111125-C0.35-36MC	E111135 Combs, Thickness 0.35 mm,36-wells, well volume:4µl	1	2520
E111125-C0.75-18MC	E111135 Combs, Thickness 0.75 mm, 18-wells, well volume:90µl	1	2520
E111125-C0.75-24	E111135 Combs, Thickness 0.75 mm, 24-wells, well volume:71µl	1	2520
E111125-C0.75-36MC	E111135 Combs, Thickness 0.75 mm, 36-wells, well volume:37µl	1	2520
E111125-C0.75-48	E111135 Combs, Thickness 0.75 mm, 48-wells, well volume:35µl	1	2520
E111125-C1-18MC	E111135 Combs, Thickness 1 mm, 18-wells, well volume:120µl	1	2520
E111125-C1-24	E111135 Combs, Thickness 1 mm, 24-wells, well volume:95µl	1	2520
E111125-C1-36MC	E111135 Combs, Thickness 1 mm, 36-wells, well volume:50µl	1	2520
E111125-C1-48	E111135 Combs, Thickness 1 mm, 48-wells, well volume:47µl	1	2520
E111125-C1.5-18MC	E111135 Combs, Thickness 1.5 mm, 18-wells, well volume:180µl	1	2520
E111125-C1.5-24	E111135 Combs, Thickness 1.5 mm, 24-wells, well volume:142µl	1	2520
E111125-C1.5-36MC	E111135 Combs, Thickness 1.5 mm, 36-wells, well volume:75µl	1	2520
E111125-C1.5-48	E111135 Combs, Thickness 1.5 mm, 48-wells, well volume:70µl	1	2520

MC indicates Multi-channel pipette compatible.

POWER SUPPLIES

CODE	E111130-EV245
VOLTAGE	0...400V
CURRENT	0...500mA
POWER	0...50W
PARAMETER RANGE	1...100% of full scale
TIMER	0...99:59h
VOLT- HOURS	0...99.99kVh
DISPLAY	LCD, 2 x 16 characters
RESOLUTION	1V, 1mA, 1W
PROGRAMS	9 x 9 set of parameters
OUTPUTS	3 in parallel, 4mm sockets
MINIMUM LOAD RESISTANCE	30Ω
BUFFER DEPLETION DETECTION	On/off, programmable
NO LOAD DETECTION	On/off, programmable
GROUND LEAKAGE DETECTION	✓
OVERLOAD DETECTION	✓
COMPUTER CONTROL	✓
DATA/ LOGGING	3600 values
RS232	9600b/s
AMBIENT TEMPERATURE	0...40°C
RELATIVE HUMIDITY	0...95% non condensing
POWER REQUIREMENTS	210...250VAC, 50/60Hz, 75W
DIMENSIONS (W*D*H)	24x20x13 cm
WEIGHT	3 Kg

CODE	Power Supply System	No. per case	Price (Rs.)
E111130-EV245	400 Volt, 500 mAmps, 50 Watts 230VAC	1	78000
E111131-4/4 MMA	4mm -to- 4mm adapter for power supplies with 4mm output terminals	2	3500
E111132-4/2 MMA	4mm -to- 2mm adapter for power supplies with 2mm output terminals	2	3500
E111133-2/4 MMA	2mm -to- 4mm adapter for power supplies with 4mm output terminals	2	3500



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For Sealing Glassware & Other Containers

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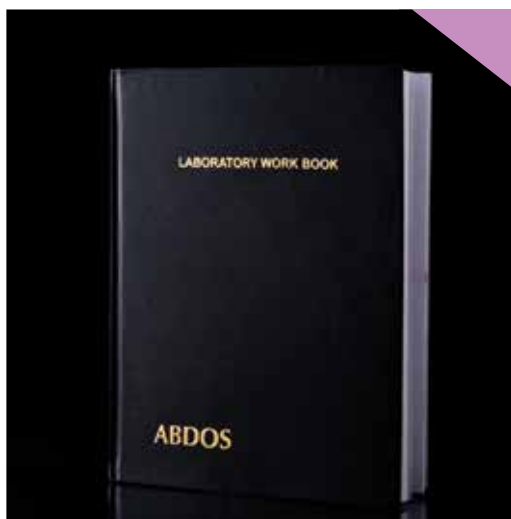
PARAFILM
M

CRYO-TAGS
For Labeling Plastic & Other
Materials for Cryogenic Storage

- Immersible in Liquid Nitrogen
- Anticorrosive/Resistant
- Chemically Resistant
- Extrudes Slide Easily into Most
- Wash-Bag Filters
- Won't Dry Out, Fall Off, or Tear

DIVERSIFIED BIOTECH

104. Laboratory Workbook



- Abdos Laboratory workbook is used to keep important indispensable data such as lab work, details on experiment and design and development.
- All pages are numbered with enough space for date, title, project number, book number and signature.
- The cover of the book is water proof and is chemical resistant.
- These workbooks contain important information like periodic table and conversion table to help our end users.

Code	No. of pages	No. per case	Price/ Case (Rs.)
U50101	100	5	2500

105. Safety Goggles, PC

- Polycarbonate lens with side shield.
- Impact resistant and lightweight frames for comfortable eyewear.
- 99.9% UVA/UVB protection.



Code	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/20 Case (Rs.)
U40101	2	410	3977	7708

106. Safety Face Shield



- Clear face shield of polycarbonate provides high impact and splash protection.
- Ratchet adjustment on the headgear provides comfortable fit.

Code	LxBxT(inch)	No. per case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/5 Case (Rs.)
U40102	15.5 x 8 x 0.04	1	2000	5820	9400



107. N95 Mask

- These mask are disposable respirators that provide protection from particulates.
- Option of exhalation valve, foam on the entire sealing surface and layer of carbon to provide odour relief from nuisance level of gases and vapour.
- N95 NIOSH approved.

Code	Description	Size	No. per case	Price/Case (Rs.)	Price/5 Case (Rs.)	Price/10 Case (Rs.)
U20417	N95 Particulate respirator	Regular	20	1400	6790	13160
U20419	N95 Respirator with exhalation valve	Regular	10	1700	8245	15980

108. Biohazard Disposable Bags, PP

- Bright red colour polypropylene bags are easy to open and is used to dispose used Micro Tips, Tubes and other plastic products.
- Size of the sterilization path darkens when subjected to steam sterilization.
- These bags are printed with biohazard symbol, sterilization indicator patch and pass ASTM 1922 tear resistance and ASTM 1709 dart impact tests.
- Can be autoclaved at high temperature of upto 130°C.



Code	Thickness (mil)	Size (cm)	No. per case	Price/ Case (Rs.)
U40103	1.5	48 x 58	200	16000
U40104	1.5	64 x 89	200	29000



109. Autoclavable Bags, PP

- These polypropylene autoclave bags made of 2 mil thickness are used for discarding used petri dishes, membrane filters, cell culture flasks, pipettes, culture plates and other plastic products.
- These bags are transparent.
- Can be autoclaved at high temperature of upto 130°C.

Code	Diameter (cm)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
U40106	20 x 30	100	4500	21825	42300
U40107	25 x 25	100	4000	19400	37600
U40108	25 x 38	100	5500	26675	51700
U40109	30 x 61	100	6000	29100	56400



110. Cryo Gloves

- These cryogenic gloves protect your hands and arms when working in hazardous, ultra-cold environments.
- These gloves have innovative design that offers superior thermal protection allowing for maximum level of flexibility and dexterity.
- These cryo gloves are made from state-of-the art fabrics and

use a flexible, multi-layered insulated construction that provides maximum thermal protection to perform tasks effectively and safely.

- High performance, thermal inner lining wicks moisture away from hands, maintaining comfort over extended periods.

Application	Environment
Ultra low blast freezers	Clinical laboratory
Cold rooms	Bio medical
Dry ice handling	Blood banks
	Pharmaceutical
	Frozen food processing

Code	Size	No. per case	Price/ Case (Rs.)
U20307	Wrist S	1 Pair	9000
U20308	Wrist M	1 Pair	9000
U20309	Wrist L	1 Pair	9000
U20310	Wrist XL	1 Pair	9000
U20311	Mid Arm S	1 Pair	9500
U20312	Mid Arm M	1 Pair	9500
U20313	Mid Arm L	1 Pair	9500
U20314	Mid Arm XL	1 Pair	9500
U20315	Elbow S	1 Pair	12100
U20316	Elbow M	1 Pair	12100
U20317	Elbow L	1 Pair	12100
U20318	Elbow XL	1 Pair	12100

111. Cryo Apron

- These Cryo apron provide high-level of thermal protection to the torso and upper legs in harsh cryogenic atmospheres.
- Multi-layered construction allows for maximum level of thermal protection and waterproof nylon outer shell protects you from

cryogenic splashes and keeps you safe and comfortable.

- These cryogenic aprons have quick-release buckles at the neck and waist for added safety and function.



Application	Environment
Cold room / walking freezer	Cryo preservation facilities
Blast freezers	Cryogenic liquid producers
Delivery and filling of cryogenic liquid	Clinical lab
	Bio medical
	Blood banks
	Frozen food processing

Ordering Information for Cryo Apron

Code	Size	No. per case	Price/ Case (Rs.)
U20331	36 inch or 91.4 cm	1	11900
U20332	42 inch or 106.7 cm	1	13000
U20333	48 inch or 121.9 cm	1	14300
U20334	54 inch or 137.2 cm	1	15400

112. Water Proof Cryo Gloves

- These cryogenic gloves protect your hands and arms when working in hazardous, ultra-cold environments.
- These gloves are designed to provide high level of thermal protection where the exposure to cryogenic fluids might exist.
- These cryo gloves are made from state-of-the art material designed to keep you dry and wick moisture away from hands so that work with comfort for extended period of time.
- These gloves are multi-layered and allow for maximum level of thermal protection, flexibility and dexterity essential feature when function is important and safety is critical.



Application	Environment
LN2 atmosphere and environment	Fertility clinic
Refrigerated liquid baths	Bio medical
Cryo freezers	Genetic and bio technology
Cryogenic grinding	Pharmaceutical

Code	Size	No. per case	Price/ Case (Rs.)
U20319	Wrist S	1 Pair	11900
U20320	Wrist M	1 Pair	11900
U20321	Wrist L	1 Pair	11900
U20322	Wrist XL	1 Pair	11900
U20323	Mid Arm S	1 Pair	12800
U20324	Mid Arm M	1 Pair	12800
U20325	Mid Arm L	1 Pair	12800
U20326	Mid Arm XL	1 Pair	12800
U20327	Elbow S	1 Pair	15900
U20328	Elbow M	1 Pair	15900
U20329	Elbow L	1 Pair	15900
U20330	Elbow XL	1 Pair	15900

113. Kimtech Science Kimwipes Wipers



- These wipers is an ideal product for cleaning and wiping delicate surfaces such as beakers, lenses, slides, optical lenses, optical instruments, surface and glass layer.
- Low in lint and low extractable wipers.
- Non-abrasive wipers wont scratch on delicate surface when used wet.
- Absorbent wipers hence easily wipe up liquid and dust.
- LINTGURD anti-stat polysield on each pop-up box helps to further reduce the lint and static buildup.
- Multi-fold dispensing format enables one-at-a-time dispensing which controls usage.
- Handy, portable pop-up box makes the product convenient to use.

Code	Size (cm)	No. per case	Price/ Case (Rs.)	Price/ 60 Case (Rs.)	Price/ 120 Case (Rs.)
U20409	11.17x21.3	280	220	12804	24816
U20410	37.33x42.16	140	750	43650	84600

114. Safeskin Purple Nitrile Gloves

- These gloves are ideal product to protect you from exposure to bacteria, viruses and chemicals. It also enhances your ability to offer maximum security against cross-contamination.
- Its unique purple color provides quick, visual differentiation from natural rubber latex and other synthetic gloves.
- Its textured fingertips enhance wet and dry grip.
- Custom design enhance comfort and fit.
- These gloves are powder free, minimizing the potential for powder related complications.



SafeSkin Purple Nitrile Gloves-9.5 inch length

Code	Size	No. per case	Price/ Case (Rs.)	Price/ 20 Case (Rs.)	Price/ 40 Case (Rs.)
U20301	Small	100	1100	21340	41360
U20302	Medium	100	1100	21340	41360
U20303	Large	100	1100	21340	41360

SafeSkin Purple Nitrile Gloves-12 inch length

Code	Size	No. per case	Price/ Case (Rs.)	Price/ 20 Case (Rs.)	Price/ 40 Case (Rs.)
U20304	Small	50	860	16684	32336
U20305	Medium	50	860	16684	32336
U20306	Large	50	860	16684	32336

* Prices for Safe Skin Purple Nitrile Gloves are subject to changes.

115. Wypall X70 Wipers



- An ideal product to replace cloth towels or rags.
- They can exceptionally absorb oil, grease, solvents and water, reusable and durable.
- They are designed to perform the wiping function that helps to improve productivity and performance.
- They are made from advanced HYDROKNIT material that deliver products that are absorbent, higher in strength and have more bulk.
- They are bio-degradable hence reduce disposable cost and are environmental friendly.
- Available in 100 meters roll format in white and blue colour with perforation making it easy to use.

Code	Size (cm)	Colour	No. per case	Price/Case (Rs.)	Price/5 Case (Rs.)	Price/10 Case (Rs.)
U20407	24.7x20	White	1roll-100mtr	2700	13095	25380
U20413	24.7x20	Blue	1roll-100mtr	2700	13095	25380
U20414	26x26	White	50 sheets	510	2474	4794
U20415	25.4x38.1	Blue	50 sheets	650	3153	6110

116. Wypall L40 Wipers

- This product will consistently deliver the wiping performance that you need in convenient and cost effective manner.
- Wiper is highly absorbent, thus controls usage and reduces wastage.
- One time use and throw wipers, eliminates cross-contamination.
- Wipers have low lint hence do not leave particles behind.
- Versatile, highly absorbent wiper leaves surface clean and dry.
- Available in both sheet and roll format that makes it easy to use.



Code	Size (cm)	Colour	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/10 Case (Rs.)
U20408	21.75x36.5	White	56 sheets	475	2304	4465
U20423	38 x 23.4	Blue	1roll-300mtr (approx)	4000	19400	37600

117. Kimcare NTO Hand Cleaner



- Polymer beads for scrubbing without abrasion.
- Kimcare NTO hand cleaner contains orange peel extract for effective cleaning.
- Fresh, Citrus scent.
- Removes tough grime with or without water.
- Comes in high capacity container for easy and convenient dispensing.

Code	Capacity (ml)	No. per case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
U20421	200	10	2300	11155	21620
U20422	3500	1	2200	10670	20680

118. Parafilm M

- Parafilm M is a flexible, thermoplastic, waterproof self-sealing film that holds moisture loss to the minimum and offers secure sealing to the content of tubes, beakers, flasks, petri-dish and vials.
- It has excellent resistance to air, other gases, alcohol, common acids and moderately concentrated alkalis.
- At 21° C (70° F), it stretches 200% and returns partially to its original size at 82° C to 93° C (180° F to 200° F) and softens enough to make an adhesive bond between papers, cloths and leathers.



Code	Size (inch x feet)	No. Per Case	Price/ Case (Rs.)
U30101	2 x 250	1 Roll	1660
U30102	4 x 125	1 Roll	1600
U30103	20 x 50	1 Roll	3000

* Prices for Parafilm M are subject to changes.

119. Cryo-Babies and Cryo-Tags



- Cryo-Babies are ideally used for 0.5ml and 2.0ml tubes and Cryo-Tags are used for general-purpose applications.
- Cryo-Babies and Cryo Tags can withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water baths (100°C), autoclaving and moderate oven temperature (150°C). They will resist water soaking for at least 24 hours at room temperature and water vapor (100% relative humidity) at 35°C for at least 24 hours.
- These are chemically inert labels and resist most organic solvents and caustic agents.
- Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination expands and contract together with temperature fluctuations resulting in strong adhesive bond.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- These labels accept writing from most lab markers.

Cryo-Babies

Code	Size (inch)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U10401	0.94 x 0.50	1000	2750	26675	51700
U10402	1.28 x 0.50	1000	2750	26675	51700

Cryo-Tags

Code	Size (inch)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U10501	1.50 x 0.75	1000	2750	26675	51700

120. Petri-Seal

- Petri-Seal stretches and conforms to form a tight seal and is temperature resistant, waterproof and chemically resistant.
- It resists abrasion and puncture and blocks vapor loss while reducing the rate of gas exchange.
- Petri-Seal can be used with microtiter plates, petri dishes and culture plates to prevent entry of any contaminants.
- Petri-Seal remains flexible down to -30°C and can withstand continuous exposure from -40°C (with intermittent exposure up to 100°C).
- Tests have shown that PetriSeal leaves on adhesive residue even after two years.
- Available in a wide variety of colours.



Code	Size (inch x feet)	Colour	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
U10901 C	0.5 x 108	Clear	1 Roll	4525	21946	42535
U10901 W	0.5 x 108	White	1 Roll	4525	21946	42535
U10901 B	0.5 x 108	Blue	1 Roll	4525	21946	42535
U10901 R	0.5 x 108	Red	1 Roll	4525	21946	42535
U10901 Y	0.5 x 108	Yellow	1 Roll	4525	21946	42535

121. Tough Spots



- Tough Spots are ideally used for labeling 0.5ml, 1.5ml and 2.0ml micro centrifuge tubes.
- Tough Spots can withstand freezer temperatures down to -196°C (liquid and vapor phase nitrogen), boiling water bath (100°C), autoclaving and moderate oven temperature (150°C).
- Tough Spots can endure sustained humidity and soaking, submersion in boiling water bath, autoclaving, organic solvents, caustic agents and other challenges without peeling, degrading or becoming brittle.
- Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination with expands and contracts together temperature fluctuation resulting in strong adhesive bond.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- These labels accept writing from most lab markers.

Code	Size (inch)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/20 Case (Rs.)
U10301	1/2	1000	2360	22892	44368
U10302	3/8	1000	2360	22892	44368

To choose from a various range of colour on offer please refer to the below mentioned product codes.

- For Blue add "B" to the respective product code.
- For Lavender add "L" to the respective product code.
- For Red add "R" to the respective product code.
- For Coffee add "C" to the respective product code.
- For Maroon add "M" to the respective product code.
- For Silver add "S" to the respective product code.
- For Gold add "D" to the respective product code.
- For Orange add "O" to the respective product code.
- For Yellow add "Y" to the respective product code.
- For Green add "G" to the respective product code.
- For Pink add "P" to the respective product code.

122. Tough Tags

- Tough Tags are ideally used for labeling 0.5ml, 1.5ml and 2.0ml tubes. White Tough
- Tags can also be used for labeling general purpose label and microplates.
- Tough Tags can withstand temperatures from -40°C to 121°C, boiling water bath, autoclaving and moderate freezer temperature.
- Chemically inert, polyester sheets resist most organic solvents and caustic agents.
- Tubes labeled with Tough-Tags easily slide in and out of centrifuge rotors without binding.
- These labels can adhere to most plastics (100% virgin polypropylene tubes recommended), glass and metals without cracking, peeling or degrading.
- Tough-Tags are pre cut peel-off labels which accept any marking instrument. They are perfectly sized to fit microcentrifuge tubes and other container in the laboratory.
- Dispensing box assists in labeling individual tubes used in small experiments



Code	Size (inch)	No. per case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U10201	1.28 x 0.50	1000	3000	29100	56400
U10202	0.94 x 0.50	1000	3000	29100	56400

To choose from a various range of colour on offer please refer to the below mentioned product codes.

- For Blue add "B" to the respective product code.
- For Red add "R" to the respective product code.
- For Green add "G" to the respective product code.
- For Orange add "O" to the respective product code.
- For Yellow add "Y" to the respective product code.
- For White add "W" to the respective product code.

123. Tough Tag Station



- Tough Tag Station can conveniently hold up to 6 roll of Tough-Tags, Tough-Spots or cryo-Tags.
- Users can utilize the ledge to easily write on labels for sample identification.

Code	No. Per Case	Price/Case (Rs.)	Price/2 Case (Rs.)	Price/5 Case (Rs.)
U10601	1	6300	12222	29610

124. Container Seal

- Container Seal is a sealing tape designed for the vast range of bottles and containers used in laboratory application.
- Its unique elastomeric characteristics allow it to stretch and conform around the irregular perimeters of containers lids and covers to form a tight seal.
- Container Seal will block water vapor loss, reduce the rate of

gas exchange and prevent entry of contaminants.

- Ideally sized (0.75" wide) tape can be easily removed from surface without leaving an adhesive residue.
- Container Seal stretches and conforms, can resist chemical & temperature range and is waterproof.
- Available in a wide variety of colours.



Code	Size (inch x feet)	Colour	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
U20101R	0.75 x 108	Red	1 Roll	4700	22795	44180
U20101W	0.75 x 108	White	1 Roll	4700	22795	44180
U20101Y	0.75 x 108	Yellow	1 Roll	4700	22795	44180



125. Dura Seal

- Dura-Seal the durable, heat and solvent-resistant stretch film, has substantial advantages over common laboratory stretch films.
- Its superior heat-resistant allows for containers to be incubated in boiling water baths

without suffering the characteristic melting of paraffin-based alternatives.

- Dura Seal is polyethylene based and free of any adhesives, it can resist essentially all caustic agents and organic solvents.

Method of Use:

Dura-Seal is easy to use. There is no interleaf paper to strip away, users have to just stretch the film symmetrically over a container opening and the 1.5 mm thick film contracts inwardly around the opening or neck of the Container to provide a drum-tight,

water-proof seal. The film can be Elongated 500-800% before breakage, minimizing the incidence of tearing During stretch sealing. The film clings to itself, especially after stretching so the free edges of the film may be stretched around the container to secure the edges.

Permeability Information:

Oxygen= 125cc/100in²/24hrs at 23°C

Carbon Dioxide= 1300cc/100in²/24hrs at 23°C

Water vapor= 1.0g/100in²/24hrs at 38° c and 90% R.H.

Code	Size (inchxfoot)	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
U10101	2 x 500	1 Roll	4100	19885	39770
U10102	4 X 250	1 Roll	4700	22795	44180

126. Markers

- These markers are waterproof on most surfaces
- Light fast
- Can be left uncapped for days without drying out
- Can be stacked easily on the workstation



Code	Colours	No. Per Case	Price/ Case (Rs.)	Price/ 5 Case (Rs.)	Price/ 10 Case (Rs.)
U50102	Red, Blue, Green & Black	4	1200	5820	11280

127. Multipurpose Labeling Tape



- These autoclavable tapes adhere to almost any dry surface-glass, plastic, metal, paper and rubber.
- These tapes sticks throughout the most demanding procedures, is oil-proof, waterproof and acid resistant and can be steam autoclaved.
- Holds in a wide range of temperatures and transfers cleanly from one surface to another, leaving no messy residue.
- These labels accept handwritten notations inscribed with pen, pencil or marker.

Code	Size (inch)	Colour	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U10701 W	0.75 x 500	White	1Roll	690	6693	12972
U10701 B	0.75 x 500	Blue	1 Roll	690	6693	12972
U10701 G	0.75 x 500	Green	1 Roll	690	6693	12972
U10701 O	0.75 x 500	Orange	1 Roll	690	6693	12972
U10701 Y	0.75 x 500	Yellow	1 Roll	690	6693	12972

128. Multi-Tape Dispenser

- These dispensers facilitate easy dispensing from one convenient location.
- Special design allows fast addition or replacement of label roll.



Code	Size (inch)	No. Per Case	Price/ Case (Rs.)	Price/ 3 Case (Rs.)	Price/ 5 Case (Rs.)
U20501	500 (Roll)	1 Piece	5900	17169	27730

129. Speciality Indicator Tape for Steam Autoclave



- Versatile tape indicates completion of normal steam sterilization process.
- All specialty steam indicator tape accepts handwritten notations, may be used to seal and identify almost all laboratory material before and after processing.

Code	Size (inch)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U20802	1 x 500	1 Roll	1100	10670	20680

130. High Temperature Indicator Tape



- Hi-Temperature indicator tape shows the word "Sterilized" in bold letters after standard dry oven processing.
- These are imprinted with heat-sensitive indicator ink.
- These are cloth-textured tape that can stick to any surface or shape and can withstand acids, alkalis, oils and greases.

Code	Size (inch)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U20702	0.75 x 250	1 Roll	5000	48500	94000

131. Hi/Lo Temperature Tape



- These are cloth-textured tape that can stick to any container, withstands acid, alkalis, oil, greases, dry ice and liquid gases and wont crack or peel in dry oven or cryogenic temperatures.

Code	Size (inch)	No. Per Case	Price/ Case (Rs.)	Price/ 10 Case (Rs.)	Price/ 20 Case (Rs.)
U20603	1	1 Roll	3450	33465	64860

GENERAL CONVERSION TABLE

Instructions for using the Table

To Convert one unit of (A) into (B) multiply by (C)

To Convert one unit of (B) into (A) multiply by (D)

A	B	C (X 1 unit of A = B)	D (X 1 unit of B = A)	A	B	C (X 1 unit of A = B)	D (X 1 unit of B = A)
Inches	Centimetres	2.54	0.3937	Lb. per sq. in	Hd of water (M.)	0.7	1.4285
Feet	Centimetres	30.48	0.0328	Lb. per sq. in	Atmospheres	0.068	14.7
Yards	Metres	0.194	1.094	Tons per sq. in	Kgm. / sq. mm.	1.575	0.635
Miles	Metres	1,609.30	0.000621	Lb. per sq. ft	Kgm. / sq. metre	4.883	0.205
Nautical miles	Metres	1,853.27	0.000539	Lb. per cub. yd.	Kgm. / cub. metre	0.593	1.686
Square inches	Sq. cms	6.45	0.155	Lb. per cub. ft	Kgm. / cub. metre	16.02	0.0624
Square feet	Sq. Metres	0.093	10.764	Lb. per gallon	Kgm. / litre	0.0998	10.02
Square yards	Sq. Metres	0.836	1.196	Foot-lb	Kg ram-metres	0.1833	7.23
Cubic inches	Cub. cms.	16.39	0.061	Foot-tons	Tonne-metres	0.33	3
Cubic feet	Litres	28.3	0.0353	Hors-Power	Force de Cheval	1.014	0.9861
Cubic feet	Gallons	6.24	0.1602	Hors-Power	Watts	746	0.00134
Cubic yards	Cub. metres	0.765	1.308	Hors-Power	Ft.-lb / min	33,000	0.00003
Pounds (Troy)	Kilogrammes	0.3732	2.68	Hors-Power	Kg.-m. / sec..	73	0.01316
Ounces (Troy)	Grammes	31.1	0.03216	Watts	Ft.-lb. / min	44	0.0227
Pounds (Avoir.)	Kilogrammes	0.4536	2.2046	Watts	Kg.-m. / sec	0.1	10
Pounds (Avoir.)	Grains (Troy)	7,000	0.000143	Heat units	Calories	0.252	3.97
Ounces (Avoir.)	Grammes	28.35	0.0353	Atmospheres	Lb. / sq. inch	14.7	0.068
Grains	Grammes	0.065	15.38	German candles	English candles	0.90	1.1111
Cwt.	Kilogrammes	50.8	0.01968	Carrels	Candles.	9.55	0.1047
Tons	Kilogrammes	1,016	0.000984	Joules	Ft. / lb	0.737	1.357
Gallons	Litres	4.546	0.22	Miles / hour	Ft. / Min	88	0.01134
Gallons of water	Pounds	10	0.1	Metres / sec	Ft / Min.	197	0.00508
Pounds of water	Litres	0.454	2.202	C.H.U	B. Th. U.	1.8	0.5555
Lb per sq. in.	Gm. / sq. cm.	70.3	0.0142	Centipoise	Lb.force sec. / Sq. ft.	0.208	4.8
Lb per sq. in.	Hd of water (ft.)	2.3	0.434				
To obtain	From		Multiply-by above	To obtain	From		Multiply-by above

PERIODIC TABLE OF THE ELEMENTS

- Non-Metals
- Alkali Metals
- Alkaline-Earth Metals
- Transition Metals
- Semi-Metals
- Other Metals
- Halogens
- Inert Gases
- Lanthanides
- Actinides

1. hydrogen 1 H 1.0079	2. helium 2 He 4.0026	3. scandium 21 Sc 44.956	4. titanium 22 Ti 47.867	5. vanadium 23 V 50.942	6. chromium 24 Cr 51.996	7. manganese 25 Mn 54.938	8. iron 26 Fe 55.845	9. cobalt 27 Co 58.933	10. nickel 28 Ni 58.693	11. copper 29 Cu 63.546	12. zinc 30 Zn 65.38	13. boron 5 B 10.811	14. carbon 6 C 12.011	15. nitrogen 7 N 14.007	16. oxygen 8 O 15.999	17. fluorine 9 F 18.998	18. helium 2 He 4.0026			
lithium 3 Li 6.941	beryllium 4 Be 9.0122	yttrium 39 Y 88.906	zirconium 40 Zr 91.224	niobium 41 Nb 92.906	molybdenum 42 Mo 95.96	technetium 43 Tc [98]	ruthenium 44 Ru 101.07	rhodium 45 Rh 102.91	palladium 46 Pd 106.42	silver 47 Ag 107.87	cadmium 48 Cd 112.41	aluminum 13 Al 26.982	silicon 14 Si 28.086	phosphorus 15 P 30.974	sulfur 16 S 32.065	chlorine 17 Cl 35.453	argon 18 Ar 39.948			
potassium 19 K 39.098	calcium 20 Ca 40.078	scandium 21 Sc 44.956	titanium 22 Ti 47.867	vanadium 23 V 50.942	chromium 24 Cr 51.996	manganese 25 Mn 54.938	iron 26 Fe 55.845	cobalt 27 Co 58.933	nickel 28 Ni 58.693	copper 29 Cu 63.546	zinc 30 Zn 65.38	gallium 31 Ga 69.723	germanium 32 Ge 72.64	arsenic 33 As 74.922	selenium 34 Se 78.96	bromine 35 Br 79.904	krypton 36 Kr 83.798			
rubidium 37 Rb 85.468	strontium 38 Sr 87.62	yttrium 39 Y 88.906	zirconium 40 Zr 91.224	niobium 41 Nb 92.906	molybdenum 42 Mo 95.96	technetium 43 Tc [98]	ruthenium 44 Ru 101.07	rhodium 45 Rh 102.91	palladium 46 Pd 106.42	silver 47 Ag 107.87	cadmium 48 Cd 112.41	indium 49 In 114.82	tin 50 Sn 118.71	antimony 51 Sb 121.76	tellurium 52 Te 127.60	iodine 53 I 126.90	xenon 54 Xe 131.29			
cesium 55 Cs 132.91	barium 56 Ba 137.33	lanthanum 57 La 138.90	hafnium 72 Hf 178.49	tantalum 73 Ta 180.95	tungsten 74 W 183.84	rhenium 75 Re 186.21	osmium 76 Os 190.23	iridium 77 Ir 192.22	platinum 78 Pt 195.08	gold 79 Au 196.97	mercury 80 Hg 200.59	thallium 81 Tl 204.38	lead 82 Pb 207.2	bismuth 83 Bi 208.98	polonium 84 Po [209]	astatine 85 At [210]	radon 86 Rn [222]			
francium 87 Fr [223]	radium 88 Ra [226]	actinium 89 Ac [227]	thorium 90 Th [232]	protactinium 91 Pa [231]	uranium 92 U [238]	neptunium 93 Np [237]	plutonium 94 Pu [244]	americium 95 Am [243]	curium 96 Cm [247]	berkelium 97 Bk [247]	californium 98 Cf [251]	europium 63 Eu [152]	gadolinium 64 Gd [157]	terbium 65 Tb [159]	dysprosium 66 Dy [163]	holmium 67 Ho [165]	erbium 68 Er [167]	thulium 69 Tm [169]	ytterbium 70 Yb [173]	lutetium 71 Lu [175]

KEY

hydrogen
1
H
1.0079

Atomic Number

Atomic Symbol

Atomic Weight

Physical Properties of ABDOS Labware

Resin	Max Use Temp °C	Brittleness Temp °C	Transparency	Sterilization					Specific Gravity	Flexibility	Water Absorption %
				Autoclaving	Gas	Dry Heat	Radiation	Disinfectant			
HDPE	120	-100	Translucent	No	Yes	No	Yes	Yes	0.95	Rigid	< 0.01
LDPE	80	-100	Translucent	No	Yes	No	Yes	Yes	0.92	Excel	< 0.01
PC	135	-135	Clear	Yes+	Yes	No	No	Yes	1.20	Rigid	0.35
PMMA	50	20	Clear	No	Yes	No	Yes	Some	1.20	Rigid	0.30
PP	135	0	Translucent	Yes	Yes	No	No	Yes	0.90	Rigid	< 0.02
PS	90	20	Clear	No	Yes	No	Yes	Some	1.05	Rigid	0.05
PSF	165	-10	Clear	Yes	Yes	Yes+	Yes	Yes	1.24	Rigid	0.30
PTFE	270	-200	Opaque	Yes	Yes	Yes	No	Yes	2.17	Excel	< 0.01
PVDF	110	-62	Translucent	Yes	Yes	No	No	Yes	1.75	Rigid	0.05
TPX*	175	20	Clear	Yes	Yes	Yes+	No	Yes	0.83	Rigid	< 0.01

Sterilization

- Autoclaving (121°C, 15 psi for 20 minutes) Clean and rinse item with distilled water before autoclaving. Certain chemicals which have no appreciable effect on resins at room temperature may cause deterioration at autoclaving temperatures.

ALWAYS COMPLETELY DISENGAGE THREADS BEFORE AUTOCLAVING.

- Gas - Ethylene oxide, formaldehyde.
 - Dry Heat - 106°C for 120 minutes.
 - Disinfection - Benzalkonium chloride, Formalin, Ethanol, etc.
 - Radiation - gamma irradiated at 2.5 Mrad with unstabilized plastic.
- + Sterilizing reduces mechanical strength. Do not use PC vessels for vacuum application if they have been autoclaved.

Chemical Resistance for ABDOS Labware

Class of Substance at Room Temperature	HDPE	LDPE	PC	PMMA	PP	PS	PSF	PTFE	PVDF	TPX*
Acids, Dilute or Weak	E	E	E	G	E	E	E	E	E	E
Acids, Strong and Concentrated	E	E	N	N	E	F	G	E	E	E
Alcohols, Aliphatic	E	E	G	N	E	E	G	E	E	E
Aldehydes	G	G	F	G	G	N	F	E	E	G
Bases	E	E	N	F	E	E	E	E	E	E
Esters	G	G	N	N	G	N	N	E	G	G
Hydrocarbons, Aliphatic	G	F	F	G	G	N	G	E	E	F
Hydrocarbons, Aromatic	G	F	N	N	F	N	N	E	E	F
Hydrocarbons, Halogenated	F	N	N	N	F	N	N	E	N	N
Ketones	G	G	N	N	G	N	N	E	N	F
Oxidizing Agents, Strong	F	F	N	N	F	N	G	E	G	F

Resin Code

HDPE	High-density polyethylene
LDPE	Low-density polyethylene
PC	Polycarbonate
PMMA	Polymethyl methacrylate
PP	Polypropylene
PS	Polystyrene
PSF	Polysulfone
PTFE	Polytetrafluoroethylene
PVDF	Polyvinylidene fluoride
TPX*	Polymethylpentene

Chemical Resistance Classification

- E = Excelent - 30 days of constant exposure cause no damage. Plastics may even tolerate for years.
- G = Good - Little or no damage after 30 days of constant exposure to the reagent.
- F = Fair - Some effect after 7 days of constant exposure to the reagent like crazing, cacking, loss of strength or discoloration.
- N = Not Recommended - Not for continuous use. Immediate damage may occur.

*TPX is the registered Trade Mark of Mitsui & Company Limited

Thermoplastics Chemical and Physical Properties

Resistance rating on a scale from A (excellent) to D (poor)

Chemical	% Conc.	Resistance at 20°C	Resistance at 60°C	Chemical	% Conc.	Resistance at 20°C	Resistance at 60°C
Acetic acid (glacial)	97	A	B	Dimethyl acetamide	100	A	A
Acetic anhydride		B	B	Dimethylsulfoxide (DMSO)		A	A
Acetaldehyde		B	D	Ethyl acetate		B	C
Acetone	100	A	B	Ethyl alcohol	96	A	B
Acetonitrile		C	D	Ethyl benzene	40	C	D
Acetophenone	100	B	B	Ethyl chloride		B	D
Adipic acid		A	A	Ethylene chloride		C	D
Aluminum chloride		A	A	Ethylene dichloride		B	C
Ammonia (aqueous)	30	A	A	Ethylene glycol	100	B	N/A
Ammonium acetate	satd.	A	A	Formaldehyde	40	A	A
Ammonium carbonate	satd.	A	A	Formic acid	100	A	B
Ammonium chloride	satd.	A	A	Glutaraldehyde	20	A	A
Ammonium fluoride	20	A	A	Hexane		C	C
Ammonium hydroxide	10	A	A	Hydrobromic acid		D	D
Ammonium nitrate	satd.	A	A	Hydrochloric acid	50	B	C
Ammonium sulfate	satd.	A	A	Hydrofluoric acid	40	A	B
Ammonium sulfide	satd.	A	A	Hydrogen peroxide	10	A	A
Amyl acetate	100	C	D	Hydrogen sulfide	3	A	A
Amyl alcohol	100	A	B	Lactic acid		B	C
Amyl chloride	100	D	D	Magnesium chloride	satd.	A	A
Aniline	100	B	B	Magnesium sulfate	satd.	A	A
Aromatic hydrocarbons		D	D	Methyl acetate		D	D
Benzaldehyde		D	D	Methyl alcohol	10	B	C
Benzene		D	D	Methylene chloride	100	D	D
Benzoic acid	100	B	C	Methyl ethyl ketone	100	D	D
Benzl acetate	satd.	A	B	Methyl propyl ketone		B	C
Benzyl alcohol		A	A	Nitric acid	satd.	D	D
Boric acid		A	A	Nitrobenzene		B	C
Bromobenzene		C	D	Perchloroethylene		D	D
Butadiene		C	D	Phenol	95+	B	D
Butyl acetate		C	D	Phosphoric acid	100	C	D
Butyl alcohol	100	C	D	Potassium bromide		A	B
Butyric acid		C	D	Potassium chloride	satd.	A	A
Calcium chloride	satd.	A	A	Potassium fluoride	satd.	A	A
Calcium hypochlorite bleach		A	A	Potassium hydroxide		A	A
Carbon disulfide		A	A	Propionic acid		A	B
Carbon Tetrachloride		D	D	Propyl alcohol		A	B
Carbonic acid	100	C	D	Propylene glycol		A	A
Chloroacetic acid	100	D	D	Silicone oil		A	A
Chlorobenzene		C	D	Sodium acetate	100	A	A
Chloroform	100	D	D	Sodium carbonate	satd.	A	A
Chlorosulfonic acid	100	C	D	Sodium chloride		A	A
Chromic acid	50	D	D	Sodium hydroxide	satd.	A	A
Citric acid		D	D	Sodium hypochlorite	satd.	B	B
Cyclohexane	satd.	D	D	Sulfuric acid	satd.	C	D
Cyclohexanol		C	D	Sulfuric acid	98	C	D
Decalin		C	D	Tetralin	10	C	D
Detergents		A	A	Toluene	100	C	C
Dibutyl phthalate		A	B	Trichloroethane	100	B	C
Dichlorobenzene		C	D	Triethylene glycol		D	D
Dichloroethylene		D	D	Trifluoroacetic acid (TFA) 20%		B	C
Diethyl benzene	100	C	D	Xylene	100	C	D
Diethyl ether		B	C	Zinc chloride		A	A
Diethylene glycol		B	D	Zinc sulfate		A	A

The above chemical resistance chart is meant to be used as a guide only. As temperature, exposure time and functional conditions affect resistance and can vary for each application, Abdos highly recommends users to evaluate products under their own conditions prior to use. Abdos does not warrant (neither expressed or implied) that the information in this chart is accurate or that any material is suitable for any purpose.

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TERMS & CONDITIONS OF SALE

01. The Price list includes 'Abdos' Brand products and products from other manufacturers.
02. All prices are on door delivery basis within India for our consignee.
03. CST/VAT will be changed extra as applicable.
04. Prices are inclusive of excise Duty where applicable.
05. The documents will be negotiable through Bank for payment sight.
06. The price for items of special requirement will be quoted on request.
07. This cancels all our previous price list.
08. The price for Port Blair is Ex Kolkata.
09. Our responsibility ceases once we deliver the goods to the consignee.
10. All disputes shall be within the competent courts in Kolkata.
11. Goods will be dispatched in standard packing or multiple thereof.
12. Capacity measures are for laboratory use only and not for commercial use.
13. The company reserves the right to change the colour and modify the design.
14. The prices effective from 1st June 2013.



Making Positives

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