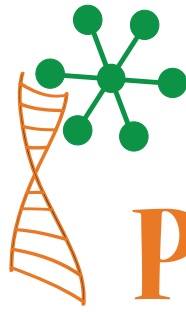# CATALOG

ProteoGen®

>>> SUPPORTING PROGRESSIVE RESEARCH

INSTRUMENTS & LAB ESSENTIALS

www.proteogen.com

OUR VISION:

✓ To be one of the best Life Science solution providers by delighting our customers, partners & employees and be the best managed company in the market that we serve.

OUR MISSION:

✓ Strive to continuously improve our professional service to customers by innovating and bringing new solutions to the market.
✓ Continuously improve team proteogen capabilities & knowledge.
✓ Provide progressive Leadership for the Research community's needs.

OUR CORE VALUES:

✓ Integrity : We adhere to high ethical standards.
✓ Respect : We value diversity and treat each person in a manner that reflects our values.
✓ Commitment : Keep up our promises and perform our roles to the highest possible standards.

Dear Customer,

At the onset we would like to thank all our customers for continuing to use our products and services for many years and please be assured that Proteogen would continue to Innovate and introduce Quality products and services in the Market.

We will strive to provide broader Laboratory workflow solutions to our customers and to meet ever demanding needs of our users. We are also pleased to introduce acceptable quality Bench Top Equipments including SDS Page Electrophoresis, Submarine Electrophoresis, Power Supplies, Blotting Apparatus, Vortex Mixture, Magnetic Stirrers, Rockers, Centrifuges, Hybridization Oven, Shakers, Dry Bath, Water Bath etc.

Through these new product introductions, we are committed to meeting ever increasing user needs. In our constant effort to stand by our motto of "Supporting Progressive Research", we are committed to bringing Newer Solutions, Technologies and Products to the Market without losing focus on providing these products as affordable as possible.

Directors
Proteogen

CONTENTS

PAPER ELECTROPHORESIS SYSTEMS

Basic unit consists of anode and cathode buffer reservoirs capable of accommodating suitable electrode assembly. In case of vertical model paper, supporting vertical stands with cross rod's are provided in between Reservoirs, whereas a removable horizontal supporting stand has been provided in horizontal model, in both the cases transparent acrylic covers are provided for controlling buffer evaporation and for electrical safety.

Paper Electrophoresis is a conventional technique of protein analysis in clinical medicine. Certain blood cancers like myeloma and sickle cell anemia are diagnosed by this method.

Paper Electrophoresis System

Horizontal & Vertical Electrophoresis
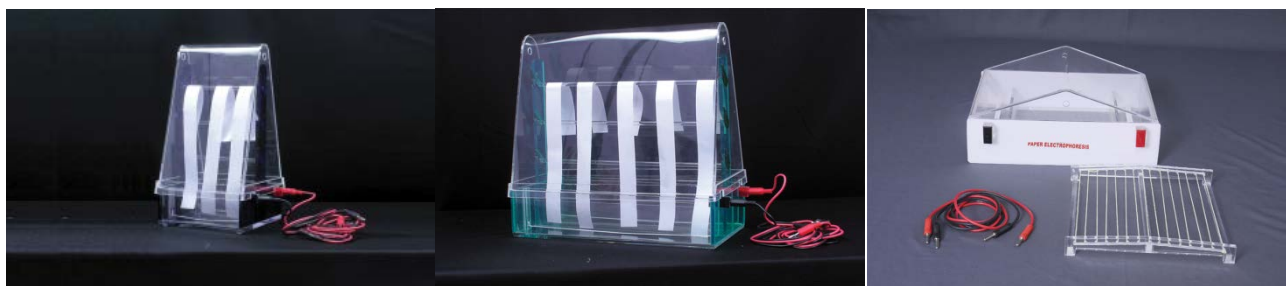
| PHS-PE-001 | PHS-PE-002 | PHS-PE-003 |

Specifications

Name	Vertical Paper Electrophoresis	Vertical Paper Electrophoresis	Horizontal Electrophoresis
Cat#	PHS-PE-001	PHS-PE-002	PHS-PE-003
No of Strips	3 No	6 No	6 No
Principal Material	Acrylic	Acrylic	Acrylic
Inner Tank Dimension (LXBX H)	145 X 145 X 60 mm	300 X 150 X 60 mm	310 X 200 X 60 mm
Paper Supporting Rod	3 Nos	3 Nos	3 Nos
Glass Plates	50 X 50 mm (12 Nos)	50 X 50 mm (12 Nos)	50 X 50 mm (12 Nos)
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Recommended power Supplies	PHS-PS-005 PHS-PS-006	PHS-PS-005 PHS-PS-006	PHS-PS-005 PHS-PS-006

IMMUNO ELECTROPHORESIS SYSTEMS

| PHS-IE-001 | PHS-IE-002 |

Specifications

Name	Mini Immuno Electrophoresis	Midi Immuno Electrophoresis
CAT#	PHS-IE-001	PHS-IE-002
Principal Material	Acrylic	Acrylic
Inner Tank Dimension (LXBX H)	95 X 195 X 85 mm	195 X 175 X 85 mm
Glass Plate size	50 X 50 mm (6 Nos)	50 X 50 mm (6 Nos)
	75 X 50 mm (6 Nos)	75 X 50 mm (6 Nos)
Acrylic Template with Well Former	1 No	1 No
Gel Puncher	4 mm OD-1 No	4 mm OD-1 No
CIE Template	-	1 set
Comb	1 well with supporting rod	1 No
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No
Gel Scoop	1 No	1 No
Recommended Power Supplies	PHS-PS-002 PHS-PS-005 PHS-PS-008	PHS-PS-002 PHS-PS-005 PHS-PS-006 PHS-PS-008

Immuno / Submarine Multipurpose System

Specifications:

Name	Immuno / Submarine Multipurpose System
CAT#	PHS-IE-003
Principal Material	Acrylic
Inner Tank Dimension (LXBX H)	285 X 230 X 25 mm
Glass Plate size	100 X 80 mm (6 Nos)
	200 X 90 mm – 1 set
	100 X 150 mm-1 set
	130 X 260 mm-1 set
Acrylic Template with Well Former	Variable radius template, 5 well template, 8 well Template, multiple Template with holder and Spacers, Graber Williams template with holder, Template for electro focusing 130 x 260 mm (1 set)
Gel Puncher	3,4,5 mm OD-1 No
CIE Template	1 set
Acrylic Template with U Shape	1 No
Comb	8 well Analytical acrylic comb 1.5 mm thick x 2 Nos.
	13 well Analytical acrylic comb 1.5 mm thick x 1 No.
Comb Stand	1 No
Gel Running Tray	130X130 mm – 1 No., 130X60 mm -2 Nos.
Leveling Table	1 No.
No. of Platinum Electrode	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)
Lid	1 No
Gel Cutter	1 No
Gel Scoop	1 No
Recommended power Supplies	PHS-PS-005

SUBMARINE ELECTROPHORESIS SYSTEM

The most efficient way to separate DNA Fragments in Agarose Gels is by Submarine Electrophoresis. In this technique, the entire gel is submerged in the buffer.

There are different types of models for different applications like Mini, Midi, Maxi, Maxi XL, Maxi XXL etc to resolve 4 to 100 samples at a time. Every system has been devoted to achieve maximum efficiency in terms of low buffer consumption, fast run and better separation.
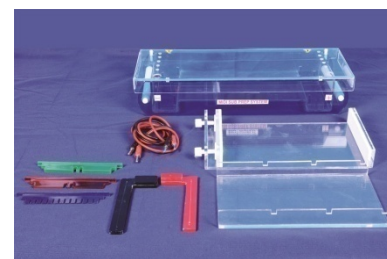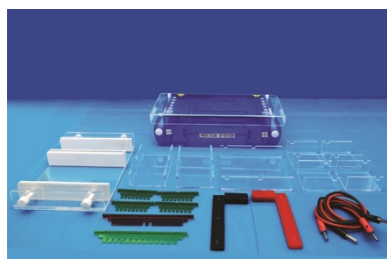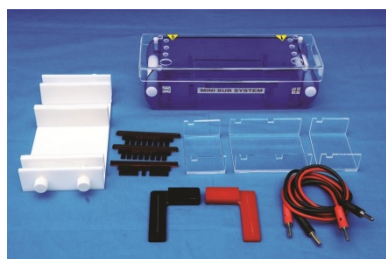
PHS-SE-001	PHS-SE-002	PHS-SE-003

Specifications:

Nam	Mini Sub System	Midi Sub System	Midi Sub Prep System:
CAT#	PHS-SE-001	PHS-SE-002	PHS-SE-003
Principal Material	Acrylic	Acrylic	Acrylic
Dimensions (LXBX H)	20 X 10 X 8 cm	27 X 16 X 8 cm	37 X 16 X 8 cm
No. of samples	8	13	13
Gel Size	10 X 7 cm	13 X 13 cm	13 X 25 cm
No. of Gel Running Tray	100 X 70 mm – 1 No. / 50 X 70 mm – 2 No	130 X 130 mm – 1 No. / 130 X 60 mm – 2 No / 65 X 60 mm – 4 Nos	130 X 250 mm – 1 No.
No. of Combs	8 well acrylic comb 1.5 mm thick x 2 Nos. / 3 well preparative acrylic comb 1 No. / -	13 Well Analytical Acrylic Comb 1.5 mm thick x1Nos / 8 Well Analytical Acrylic Comb 1.5 mm thick x 4 Nos / 3 Well Preparative Acrylic Comb 3 mm thick x 1 No	13 Well Acrylic Comb 1.5 mm thick – 1 No. / 3 Well Preparative Acrylic Comb 6 mm thick x 1 No / 3 Well Preparative Acrylic Comb 3 mm thick x 1 No
No of Gel Casting Tray	1 Universal	1 Universal	1 Universal
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Recommended power Supplies	PHS-PS-001, PHS-PS-002, PHS-PS-005, PHS-PS-006, PHS-PS-007		

PHS-SE-004	PHS-SE-005	PHS-SE-006

Specifications:

Name	Maxi Sub System	Maxi Sub XL System	Maxi Sub XXL System
CAT#	PHS-SE-004	PHS-SE-005	PHS-SE-006
Principal Material	Acrylic	Acrylic	Acrylic
Dimensions (LXBX H)	35 X 22 X 8 cm	40 X 33 X 8 cm	42 X 34 X 8 cm
No. of samples	26	99	120
Gel Size	20 X 20 cm	30 X 25 cm	20 X 37 cm
Water Circulation	-	Yes	Yes
No. of Gel Running Tray	200 X 200 mm – 1 No.	300 X 250 mm – 1 No.	200 X 370 mm – 1 No.
No. of Combs	26 Well Acrylic Comb 1.5 mm thick – 1 No 3 Well Preparative Acrylic Comb 3 mm thick x 1 No & 6 mm – 1 No.	33 Well Acrylic Comb 2 mm thick – 3 Nos.	3,5,8,16,20 Well Preparative Acrylic Comb2 mm thick – 1 No each 40 Well Acrylic Comb 2 mm thick – 3 Nos.
No of Gel Casting Tray	1 Universal	1 Universal	1 No. with leveling tray
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Recommended power Supplies	PHS-PS-001, PHS-PS-002, PHS-PS-005, PHS-PS-006, PHS-PS-008	PHS-PS-005, PHS-PS-006, PHS-PS-008	PHS-PS-005, PHS-PS-008

IMPORTED ELECTROPHORESIS SYSTEM
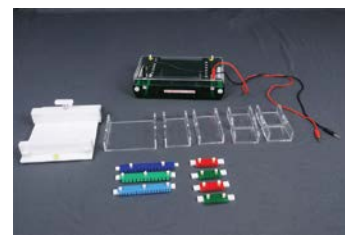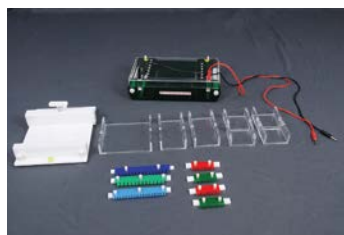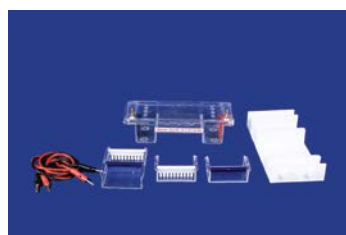
PHS-ME-001	PHS-ME-002	PHS-ME-003

Specifications:

Name	Moulded Mini Submarine System	Mini Horizontal Gel Unit	Mini Plus Horizontal Gel Unit
CAT#	PHS-ME-001	PHS-ME-002	PHS-ME-003
Principal Material	Polycarbonate	Acrylic	Acrylic
No. of samples	15	14 X 25 X 7 cm	17 X 23.5 X 7 cm
Gel Size	10 X 7 cm	6 X 7.5 cm	10 X 11.5 cm
Buffer Required	-	325 mL	450 mL
Max. Sample Capacity	-	32	80
UV Tray	-	Gel running tray with inbuilt Casting Gates – 1 No	Gel running tray with inbuilt Casting Gates – 1 No
No. of Trays	100 X 70 mm – 1 No 50 X 70 mm –1 No	-	-
Adjustable Combs	-	16 well Adjustable Comb 2No	20 well Adjustable Comb 2No
Comb Thickness	-	1, 1.5, or 2 mm	1, 1.5, or 2 mm
Comb Slot	-	2	4
No. of Combs	16 x 10 Well Acrylic Comb 1.5mm thick x 2 No	-	-
No of Gel Casting Tray	1 Universal	-	-
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black Fixed	Red and Black Fixed
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
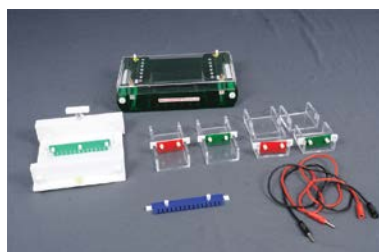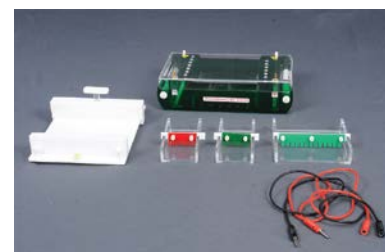
	PHS-ME-004	PHS-ME-005	PHS-ME-006

Specifications

Name	Midi Horizontal Gel Unit	Maxi Horizontal Gel Unit	Maxi Plus Horizontal Gel Unit
CAT#	PHS-ME-004	PHS-ME-005	PHS-ME-006
Principal Material	Acrylic	Acrylic	Acrylic
Unit Dimension (LXBX H)	21 X 30.5 X 8 cm	26 X 47 X 8.5 cm	34 X 57 X 10 cm
Gel Size	12.8 X 15 cm	20 X 20 cm	25 X 30 cm
Buffer Required	900 mL	2200 mL	3000 mL
Maximum sample capacity	112	168	624
UV Trays	Gel running tray with Inbuilt casting gates – 1No	Gel running tray with Inbuilt casting gates – 1No	Gel running tray with Inbuilt casting gates – 1No
Adjustable Combs	28 well Adjustable Comb 2No	42 Well Acrylic Comb Adjustable - 2No	52 Well Acrylic Comb Adjustable – 6 No
Comb thickness	1, 1.5, or 2 mm	1, 1.5, or 2 mm	1, 1.5, or 2 mm
Comb slots	4	4	12
No. of Platinum Electrode	Red and Black Fixed	Red and Black Fixed	Red and Black Fixed
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No

VERTICAL SLAB GEL ELECTROPHORESIS SYSTEM

Poly Acrylamide Gel Electrophoresis (PAGE) in slabs is a widely used technique. Molecular Size of Polypeptides can be determined by SDS PAGE. They can be transferred on to membranes for antibody detection.

We offer a broad range of vertical slab electrophoresis systems, suitable for a wide variety of modern electro phoretic techniques. The MINI model answers the demand for small, conventional electrophoresis unit for fast, high resolution protein separations in 8 X 7 cm gel. The REGULAR Model is used for electrophoresis in 16 X 14 cm gel. The DUAL models are versatile ones for running two gels, under similar conditions simultaneously. Gels can be cast in three different techniques with GEL CASTING UNIT, available for all MINI, REGULAR and DUAL models.

| PHS-VE-001 | PHS-VE-002 | PHS-VE-003 |

Specifications:

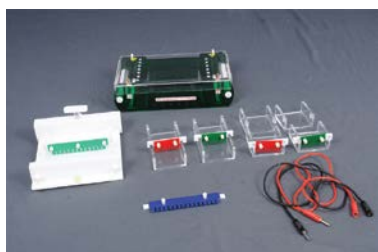| Name	Vertical Mini Gel System	Vertical Dual Mini Gel System	Vertical Midi Gel System
CAT#	PHS-VE-001	PHS-VE-002	PHS-VE-003
Principal Material	Acrylic	Acrylic	Acrylic
Gel Size	8 X 7 cm	8 X 7 cm (2 gel)	16 X 14 cm (1 gel)
Dimensions (LXBX H)	15 X 18 X 15 cm	16 X 20 X 15 cm	25 X 20 X 27 cm
No. of samples	7	14	13
Buffer Volume	100 + 150 mL	150 + 200 mL	150 + 200 mL
Upper Buffer Tank Dimension	70 X 60 X 40 mm	70 X 70 X 43 mm	140 X 60 X 25 mm
Lower Buffer Tank Dimension	130 X 60 X 50 mm	150 X 130 X 115 mm	200 X 60 X 60 mm
No. of Combs	7 Well Teflon Comb 0.5 Mm, 1 mm, 1.5 mm- 1 No	7 Well Teflon Comb 0.5 mm, 1 mm- 2 No each	13 Well Teflon Comb 0.5 mm, 1 mm, 1.5 mm-1 No each
Teflon Spacers	0.5 mm, 1 mm, 1.5 mm- 2 Nos each	0.5 mm, 1 mm, 4 Nos each	0.5 mm, 1 mm, 1.5 mm 4 Nos each
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Glass Plates	Notched and rectangular-2 sets	Notched and rectangular-2 sets	Notched and rectangular-2 sets
Gasket	Fixed	Fixed	Fixed
Clamps and Screws	1 set	2 sets	1 set
Levelling Screws	3 Nos.	-	3 Nos
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Water Circulation	No	Yes	No
Spirit level (fixed)	1 No	-	1 No
Recommended power Supplies	PHS-PS-001, PHS-PS-002, PHS-PS-004, PHS-PS-005, PHS-PS-006, PHS-PS-008	PHS-PS-001, PHS-PS-002, PHS-PS-004, PHS-PS-005, PHS-PS-006, PHS-PS-008	PHS-PS-002, PHS-PS-005, PHS-PS-006, PHS-PS-008

PHS-VE-004	PHS-VE-005	**PHS-VE-006**

Specifications:

Name	Vertical Dual Midi Gel System	Vertical Maxi Gel System	Vertical Dual Maxi Gel System
CAT#	PHS-VE-004	PHS-VE-005	PHS-VE-006
Principal Material	Acrylic	Acrylic	Acrylic
Gel Size	16 X 14 cm (2 gel)	16 X 20 cm (1 gel)	16 X 20 cm (2 gel)
Dimensions (LXBX H)	23 X 18 X 27.5 cm	29 X 20 X 21 cm	29 X 22 X 23 cm
No. of samples	26	20	40
Buffer Volume	250 + 500 mL	300 + 600 mL	300 + 700 mL
Upper Buffer Tank Dimension	140 X 70 X 20 mm	200 X 60 X 25 mm	200 X 75 X 20 mm
Lower Buffer Tank Dimension	200 X 160 X 190 mm	270 X 60 X 60 mm	270 X 100 X 115 mm
No. of Combs	13 Well Teflon Comb 0.5 mm , 1 mm-2 No each	20 Well Teflon Comb 0.5 mm, 1mm, 1.5mm-2 No	20 Well Teflon Comb 0.5 mm, 1 mm -2 No each
Teflon Spacers	0.5 mm, 1 mm 4 Nos each	0.5mm, 1mm, 1.5mm- 6 No	0.5mm, 1mm - 4 No each
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Leveling Screws	-	3 Nos	-
Glass Plates	Notched and rectangular-2 sets	Notched and rectangular-2 sets	Notched and rectangular-2 sets
Gasket	Fixed	Fixed	Fixed
Clamps and Screws	4 sets	2 sets	4 sets
Spirit Level – Fixed	-	-	1 No
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Water Circulation	Yes	No	Yes
Recommended power Supplies	PHS-PS-002, PHS-PS-005, PHS-PS-006, PHS-PS-008		

ELECTRO TRANSFER SYSTEMS

There are different models of blotting apparatus for electrophoretic transfer of Proteins/nucleic acids from gels on to membranes. This process is known as Western/Northern blotting. It is essential for detection/identification of fragments.

PHS-ET-001	PHS-ET-002	PHS-ET-003

Specifications:

Name	Electro transfer Mini Single gel System size (8x7) cm	Electro transfer Mini Dual System gel size 2 (8 x 7) cm	Electro transfer Midi System gel size 2 (16 x 14) cm
CAT#	PHS-ET-001	PHS-ET-002	PHS-ET-003
Principal Material	Acrylic	Acrylic	Acrylic
Gel Size	8 X 7 cm	8 X 7 cm	16 X 14 cm
Buffer Reservoir	1 No	1 No	1 No
Buffer Volume	350 mL	600 mL	1000 mL
Gel Cassette	1 No	2 No	1 No
Filter Pads	6 Nos	6 Nos	6 Nos
Cushion Pads	12 Nos	12 Nos	12 Nos
No. of Platinum Electrode Cells	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Heat Exchanger	-	Yes	-
Recommended power Supplies	PHS-PS-001, PHS-PS-005, PHS-PS-006, PHS-PS-008	PHS-PS-005, PHS-PS-006, PHS-PS-007, PHS-PS-008	PHS-PS-005, PHS-PS-006, PHS-PS-007, PHS-PS-008

Name	Electrotransfer Dual Midi System gel size 2 (16 x 14) cm
CAT#	PHS-ET-004
Principal Material	Acrylic
Gel Size	16 X 14 cm
Buffer Reservoir	1 No
Buffer Volume	1500 mL
Gel Cassette	2 No
Filter Pads	6 Nos
Cushion Pads	12 Nos
No. of Platinum Electrode Cells	Red and Black (1 Each)
Lid	1 No
Connecting Cord	Red and Black (1 Each)
Heat Exchanger	Yes
Recommended Power Supplies	PHS-PS-005, PHS-PS-006, PHS-PS-007, PHS-PS-008

BENCH TOP COOLER

Cooler is a thermal container ideal for low temperature storage. It is ideal for storage of restriction enzymes, nucleic acids and other biochemical or biological samples, requiring sub freezing temperatures. It replaces the conventional ice box.

It helps to maintain temperature stability for samples stored in the freezer during handling or power failure.

It maintains sub-zero temperatures up to 3 hours, when used on the benchtop at normal room temperature. It eliminates numerous trips back and forth to the laboratory freezer.

It may also be used to freeze mammalian and insect cells prior to low temperature storage.

Two sizes, 12 or 24 tube storage modules are available for 1.5 ml or 0.5 ml standard size conical tubes.

Cat#	Description	Pack Size
PHS-BC-001	Bench Top Cooler (24 x 1.5 ml tube)	1 Unit
PHS-BC-002	Bench Top Cooler (12 x 1.5 ml tube)	1 Unit
PHS-BC-003	Bench Top Cooler (24 x 0.5 ml tube)	1 Unit
PHS-BC-004	Bench Top Cooler (12 x 0.5 ml tube)	1 Unit

Bench Top Shields

These Shields are manufactured from 12 mm thick acrylic sheets to give protection from Alpha and Beta Radiations

Cat#	Description	Pack Size
PHS-BS-001	Bench Top Shields	12" x 12" x 18"
PHS-BS-002	Bench Top Shields	12" x 17" x 20"
PHS-BS-003	Bench Top Shields	18" x 12" x 24"
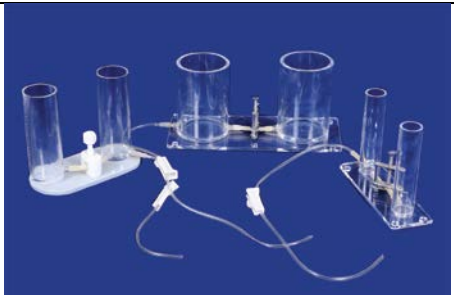
Bench Top Containers

Cat#	Description	Pack Size
PHS-BR-001	Bench Top Containers for Radio Active Wastes	8.75" x 2.6" x 3.5"
PHS-BR-002	Bench Top Containers for Radio Active Wastes	10" x 6.5" x 4"
PHS-BR-003	Bench Top Containers for Radio Active Wastes	12" x 12" x 28"

ACRYLIC GRADIENT MAKERS

GRADIENT MAKERS

Cat#	Description	Pack Size	
PHS-GM-001	Gradient Maker	25 + 25ml	
PHS-GM-002	Gradient Maker	50 + 50 ml	
PHS-GM-003	Gradient Maker	125 + 125 ml	
PHS-GM-004	Gradient Maker	250 + 250 ml	
PHS-GM-005	Gradient Maker	500 + 500 ml	
PHS-GM-006	Gradient Maker	1000 + 1000 ml	

TRANSILLUMINATORS

There are a wide range of Transilluminators for Visual & UV light sources. They have been designed to provide uniform and high intensity light sources to detect even nanogram quantity bands. Durable High Wattage lamps are housed in a a sturdy metal boxes. The UV Filters are polished to give blemish free viewing of the gel.

Specification:

Name	White Light Transilluminator 25 cm x 25 cm	
CAT#	PHS-TI-001	
No. of Tubes	6	
Wattage	8 Watts	
Filter Area	25 x 25 cm	
Body	MS with Powder Coated	
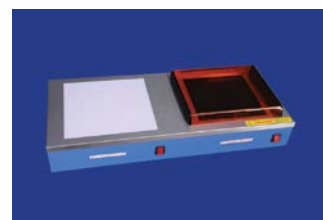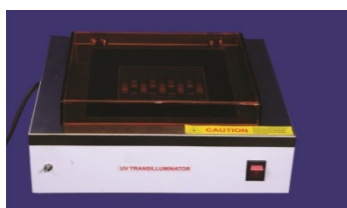
PHS-TI-003	PHS-TI-005	PHS-TI-006

Name	TRANSILLUMINATOR COLLEGE MODEL (20 cm x 20 cm)	UVTRANSILLUMINATOR RESEARCH MODEL (20 cm x 20 cm)	UV TRANSILLUMINATOR COMBINED MODEL (20 cm x 20 cm)
CAT#	PHS-TI-003	PHS-TI-005	PHS-TI-006
No. of Tubes	6	4 + 4	6
No. of white Tubes	-	-	6
Wattage	8 Watts	8 Watts	8 Watts
Wavelength	365 nm fixed	316 and 365 nm	365 nm fixed
Detection Limit	50ng	0.1ng	50ng
Filter Area	20 x 20 cm	20 x 20 cm	20 x 20 cm for UV and 25 x 25 cm for White Light
Body	MS with Powder Coated	MS with Powder Coated	MS with Powder Coated
UV Protection Shield	Yes	Yes	Yes

UV TRANSPARENT SYSTEMS

These UVT Submarine Gel electrophoresis systems can perform agarose gel electrophoresis of nucleic acids & nucleoproteins. The system is supplied with UV transparent acrylic running tray, thereby allowing direct viewing of nucleic acid bands over the UV transilluminator without removing the gel.
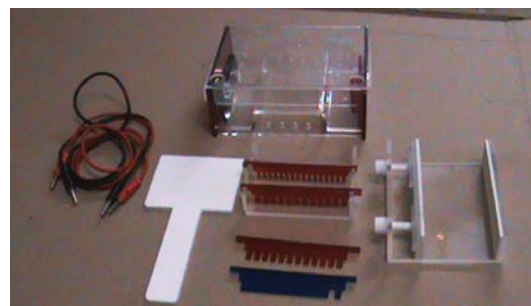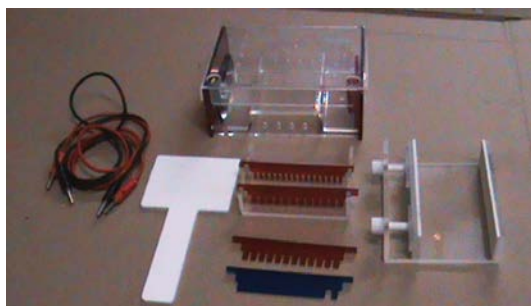
PHS-UV-001	PHS-UV-002

Specifications:

Name	Miniphor UVT System	Maxiphor UVT System
CAT#	PHS-UV-001	PHS-UV-002
Principal Material	UV Transparent Acrylic	UV Transparent Acrylic
Inner Tank Dimension (LXBXH)	125 X 115 X 35 mm	210 X 200 X 60 mm
No. of Trays	100 X 70 mm (1 No) UV transparent	150 X 130 mm (1 No) UV transparent
No. of Combs	8, 12, 16 Well Analytical Acrylic Comb 1.5mm thick-1 each	8, 14, 20 Well Analytical Acrylic Comb 1.5mm thick-1 each
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No
Gel Scoop	1 No	1 No
Recommended Power Supplies	PHS-PS-005, PHS-PS-006, PHS-PS-008	

UV TRANSPARENT SUBMARINE ELECTROPHORESIS SYSTEMS

PHS-UV-011	PHS-UV-012	PHS-UV-013	PHS-UV-014

Name	Mini Sub System UV Transparent	Midi Sub System UV Transparent	Midi Prep Sub System UV Transparent	Maxi Sub System UV Transparent
CAT#	PHS-UV-011	PHS-UV-012	PHS-UV-013	PHS-UV-014
Principal Material	Acrylic	Acrylic	Acrylic	Acrylic
Inner Tank Dimension (LXBX H)	180 X 70 X 35 mm	210 X 130 X 35 mm	335 X 130 X 30 mm	310 X 215 X 68 mm
Gel Size	100 X 70 mm (1 No) UV transparent	130 X 130 mm (1 No) UV transparent	250 X 130 mm (1 No) UV transparent	200 X 200 mm UV transparent -1 No
No. of Trays	In built	In built	In built	In built
No. of Combs	10 Well Analytical Acrylic Comb 1.5mm thick-2 Nos. 3 Well Preparative Acrylic comb 3 mm thick-1 No	15 Well Analytical Acrylic Comb 1.5mm thick-1 No. 3 Well Preparative Acrylic comb 3 mm thick-1 No	15 Well Analytical Acrylic Comb 1.5mm thick-1 No. 3 Well Preparative Acrylic comb 3mm thick 1no. 3 Well Preparative Acrylic comb 6 mm thick-1 No	26 Well Analytical Acrylic Comb 1.5mm thick-1 No. 3 Well Preparative Acrylic comb 3 mm thick-1 No 3 Well Preparative Acrylic comb 6 mm thick-1 No
No. of Platinum Electrode	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Connecting Cord	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)	Red and Black (1 Each)
Lid	1 No	1 No	1 No	1 No
Gel Scoop	1 No	1 No	1 No	1 No
Recommended Power Supplies	PHS-PS-002, PHS-PS-005, PHS-PS-006, PHS-PS-008			PHS-PS-008

ELECTROPHORESIS POWER SUPPLIES

We have a wide range of power packs for electrophoresis starting from 50 Volts to 500 Volts, which Operates in constant voltage and constant current With Digital Display for Current, Voltage and Timer indications. Customer Can Choose the Different range of power supplies according to their requirement.

PHS-PS-001	PHS-PS-002	PHS-PS-003	PHS-PS-004

Specifications:

Name	PS 100: Mini Model Fixed	PS 200: Mini Model Fixed, 200 mA	Mini Power Pack with Timer	Digital PS 100: EPS 300 Model 0-300 V; 0-100mA
CAT#	PHS-PS-001	PHS-PS-002	PHS-PS-003	PHS-PS-004
Output Voltage	50, 100, 150, 200, 250 V Fixed	100, 150, 200, 250 V Fixed	100-300 V DC	100-300 V DC
Output Current	100 mA	200 mA	150 mA	0-100 mA
Timer	-	-	Hours mode (continuous mode)	0-9.99 hrs
Output Power	25 watts	50 watts	-	30 watts
Output Terminals	1 Output Terminal	2 Output Terminals		2 Output Terminals
Input Rating	200-260 vac/50 Hz	200-260 vac/50 Hz	220V ac @ 50 Hz	200-260 vac/50hz
Input Power Cable	3-Wire Grounded	3-Wire Grounded	3-Wire Grounded	3-Wire Grounded
Dimension	-	L x W x H cm (16 x 10 x 5 cm)	W x D x H cm (14.5 x 26 x15 mm)	W x D x H cm (24x 16 x11 cm)
Body	MS with Powder Coated Body	MS with Powder Coated Body	Aluminium Body	MS with Powder Coated Body
Special Features:			➢ Compact light weight versatile design ➢ SMD Technology for Long and desirable Working ➢ Operates in Constant Voltage Method. ➢ Automatic recovery to continue run after Power Failure. ➢ Runs two gels simultaneously. ➢ Indication for No load sense (open load). ➢ Indication for overload sense.	➢ Operates in Constant Voltage and Constant Current Method. ➢ Digital display for Volt, Current and Timer. ➢ Runs two gels simultaneously. ➢ Feather Touch Knobs. ➢ Overload Protection. ➢ Short circuit Protection.

| PHS-PS-005 | PHS-PS-006 | PHS-PS-007 | PHS-PS-008 |

Specification:

Name	Digital PS 500: EPS 500 Model : 0-500 V; 0-500mA	Digital PS 0-300V / 300 MA Power Supply	Digital PS 3000: Electrotransfer Model : 0-250 V; 3000mA	Digital PS 0-300 V; 0-400mA
CAT#	PHS-PS-005	PHS-PS-006	PHS-PS-007	PHS-PS-008
Output Voltage	0-500V DC	0-300 V DC	0-250 V DC	0-300 V DC
Output Current	0-500 mA	0-300 mA	0-3000 mA	0-400 mA
Output Power	300 watts	90 watts	750 watts	120 watts
Output Terminals	4 Output Terminals	4 Output Terminals	2 Output Terminals	4 Output Terminals
Timer	0-9.99 hrs	0-9.99 hrs	0-9.99 hrs	0-9.99 hrs
Input Rating	200-260 vac/50hz	200-260 vac/50hz	200-260 vac/50hz	200-260 vac/50hz
Input Power Cable	3-wire grounded	3-wire grounded	3-wire grounded	3-wire grounded
Dimensions	L x W x H cm (24x 28 x12 cm)	L x W x H cm (24x 28 x12 cm)	L x W x H cm (36x 30 x12 cm)	-
Body	MS with Powder Coated Body	MS with Powder Coated Body	MS with Powder Coated Body	MS with Powder Coated Body
Special Features:	➢ Operates in Constant Voltage and Constant Current Method. ➢ Digital display for Volt, Current and Timer. ➢ Feather Touch Knobs. ➢ Runs two gels simultaneously. ➢ Overload Protection. ➢ Short circuit Protection	➢ Operates in Constant Voltage and Constant Current Method. ➢ Digital display for Volt, Current and Timer. ➢ Feather Touch Knobs. ➢ Runs two gels simultaneously. ➢ Overload Protection. ➢ Short circuit Protection	➢ Operates in Constant Voltage and Constant Current Method. ➢ Digital display for Volt, Current and Timer ➢ Runs two gels simultaneously ➢ Overload indicator	➢ Operates in Constant Voltage and Constant Current Method. ➢ Digital display for Volt, Current and Timer. ➢ Feather Touch Knobs. ➢ Runs two gels simultaneously ➢ Overload Protection. ➢ Short circuit Protection

Specifications:

Name	Programmable Power Supply 500 V ; 500mA
CAT#	PHS-PS-009
Output Voltage	0-500 V DC
Output Current	0-500 mA
Output Power	90 watts
Output Terminals	4 Output Terminals
Timer	24 hrs Timer
Memory Option	16 Programme Storage
Dimensions	L x W x H cm (24x 28 x12 cm)
Input Rating	200-260 vac/50hz
Input Power Cable	3-wire grounded
Body	MS with Powder Coated Body
Special Features:	➢ Less weight 2 Kg. ➢ LED Display. ➢ Feather Touch Knobs. ➢ Runs two gels simultaneously. ➢ Timer: 24 hours Timer. ➢ 16 Programmes can be stored

SEMI DRY BLOTTER

We also manufacture Semi Dry Blotters to save buffer. Blotting is rapid and efficient too. They are available in mini as well as regular sizes. Imported graphite electrode is used.

These Semi Dry Blotters offer rapid transfer time for DNA, RNA and protein blotting. All units can be used for all types of blotting and are compatible with gel thickness from 0.25 up to 10 mm without the need for additional equipment. Each unit is compatible with their respective vertical gel system.

These Semi-dry blotters utilize a screw down lid, which secures the blot sandwich and allows complete control of pressure ensuring even transfer.

Specification:

Name	Semi Dry Blotter Size (10cm x 10cm)
CAT#	PHS-SD-001
Size	Mini, 10 x 10 cm
Maximum Blot Area	10 x 10 cm
Connecting Cord	Red and black (1 Each)

Specification:

Name	Semi Dry Blotter Size (20cm x 20cm)
CAT#	PHS-SD-002
Size	Midi, 20 x 20 cm
Maximum Blot Area	20 x 20 cm or 4 Blots, 10 cm x 10 cm
Connecting Cord	Red and black (1 Each)
Recommended power Supplies	-

MAGNETIC STIRRERS

Name	Magnetic Stirrer -2L
Cat#	PHS-MS-001
Speed	2000 rpm
Magnet	High power U magnet
Capacity	2L
Control	Variable regulated speed
Motor	AC Motor
Platform size	162 x 175 mm
Platform	Stainless steel
Overall dimension	W x D x H (163 x 175 x 126)mm
Input voltage	220v ac@ 50 Hrtz

Name	Thermostat Magnetic Stirrer with Hotplate
Cat#	PHS-MS-002
Speed	2000rpm
Hotplate	Thermostatic Control (150°C)
Control	Variable DC Control
Motor	High Torque DC motor
Capacity	2 Lts
Platform	SS 316 G
Platform size	150mm x 150mm
Cabinet	Aluminum Powder Coated
Input voltage	220v ac @ 50 Hrtz

Name	Digital Magnetic Stirrer with Hotplate
Cat#	PHS-MS-003
Speed	2000 rpm
Temperature controller	Digital Temperature controller
Temp. Range	Above Ambient to 200°C
Magnet	High power magnet
Capacity	2000 ml
Control	Variable DC linear control
Motor	High Torque BLDC Motor
Sensor	PT 100 Sensors
Platform size	155mm x 150mm
Cabinet	Aluminum Powder coated
Overall Dimension	W x D x H(170 x 190 x 130)mm
Input voltage	230v ac @ 50 Hrtz

Name	Digital Magnetic Stirrer with Hotplate
Cat#	PHS-MS-004
Speed	2000 rpm
Temperature controller	Digital Temperature controller
Temp. Range	Above Ambient to 200°C
Capacity	2 Lts
Control	Variable DC linear control
Motor	High Torque BLDC Motor
Magnet	High power U magnet
Sensor	PT 100 Sensors
Plat form	Stainless steel
Dimension	W x D x H (150 x 230 x 110) mm
Cabinet	Aluminum Powder coated
Input voltage	230v ac @ 50 Hrtz

Name	Digital Overhead Mechanical Stirrer
Cat#	PHS-MS-005
Speed Regulation	1500 RPM
Speed	Regulated Feedback system
Control	Variable DC Control
Capacity	10 Lts
Display	LED Display
Motor Adopter	SS Chuck for inserting Rod
Chuck Range max diameter	10mm Dia
Motor	High torque BLDC motor
Motor Holder	SS Rod to hold the 12 x300mm length
Construction material	Aluminum cabinet with Powder coating
Input voltage	220v ac@ 50 Hrtz

Name	Oil Bath Magnetic Stirrer - 250ml
Cat#	PHS-OB-001
Temp. Controller	Digital Temperature Controller
Temperature range	Above ambient to 150°C
Accuracy	+/-0.5°C
Sensor	PT 100 Sensor
Speed	2000rpm
Control	Variable DC control
Magnet	Powerful Alnico Magnet for stirring
Motor	High Torque BLDC motor
Oil bath Capacity	250 ml
Cabinet	Aluminum Powder coated
Safety	Safety alarm
Input voltage	220v ac @ 50 Hrtz

Name	Oil Bath Magnetic Stirrer - 500ml	Oil Bath Magnetic Stirrer – 1 Ltr
Cat#	PHS-OB-002	PHS-OB-003
Temp. Controller	Digital Temperature Controller	Digital Temperature Controller
Temperature range	Above ambient to 250°C	Above ambient to 250°C
Accuracy	+/-0.5°C	+/-0.5°C
Sensor	PT 100 Sensor	PT 100 Sensor
Speed	2000rpm	2000rpm
Control	Variable DC control	Variable DC control
Magnet	Powerful Alnico U Magnet for stirring	-
Motor	High Torque BLDC motor	High Torque BLDC motor
Drain Valve	To drain the oil	To drain the oil
Oil bath Capacity	500 ml	1Lts
Oil bath Dimension	140 x 60 mm	170 Dia x 80mm Height
Cabinet dimension	W x D x H (180 x 300 x 160)mm	-
Cabinet	Aluminum Powder coated	Aluminum Powder coated
Safety	Safety alarm	Thermostatic Safety Cutoff
Input voltage	220v ac @ 50 Hrtz	220v ac @ 50 Hrtz

Name	Oil Bath Magnetic Stirrer – 5 Lts	Oil Bath Magnetic Stirrer – 2 Lts
Cat#	PHS-OB-005	PHS-OB-006
Temp. Controller	Digital Temperature Controller	Digital Temperature Controller
Temperature range	Above ambient to 150°C	Above ambient to 250°C
Accuracy	+/-0.5°C	+/-0.5°C
Sensor	PT 100 Sensor	PT 100 Sensor
Speed	-	2000rpm
Control	-	Variable DC control
Motor	-	High Torque BLDC motor
Drain Valve	To drain the oil	To drain the oil
Oil bath Capacity	5L	2Lts
Oil bath dia	300 mm Dia x 160mm Hight	220mm x 140 mm
Cabinet	Aluminum Powder coated	Aluminum Powder coated
Safety	Thermostatic Safety Cutoff	Thermostatic Safety Cutoff
Input voltage	220v ac @ 50 Hrtz	220v ac @ 50 Hrtz

MIXERS & ROTATORS

Name	Vortex Mixer
Cat#	PHS-VM-001
Speed	3000 rpm
Operation	Touch Mode/ manual mode
Top platform	Round
Cabinet	Powder coated
Overall dimension	130 width x 170 Height
Input voltage	220v ac @50 hrtz
Accessories	Flask Adaptor / Rubber Adaptor /Test tube Adaptor

Name	Gel Rocker with Timer
Cat#	PHS-GR-001
Speed	0 – 50 Oscill / min
Movement	See- Saw
Motor	PMDC Motor
Platform size	250 x 250 mm
Timer	0 – 60 min
Overall dimension	W x D x H (260 x 283 x 180)mm
Rubber mat	Non Slip rubber Mat
Operating volt	230v 50Hz, Single phase

Name	Dual Rocker with Timer
Cat#	PHS-GR-002
Speed	0 – 50 Oscill / min
Movement	See- Saw motion
Motor	PMDC Motor
Timer	0-99 min
Platform	Dual Platform (2 trays)
Platform size	250 x 250 mm
Overall dimension	W x D x H (260 x 283 x 340)mm
Rubber mat	Non Slip rubber Mat
Operating volt	230v 50Hz, Single phase

Name	Tube Rotator with Magnetic Platform
Cat#	PHS-TR-001
Speed	10-60 rpm
Platform	Magnetic Base
Motion	Circular
Control	Feedback control System
Platform size	295mm x 220mm
Tube Holder	1.5 ml Magnetic tube holder (10 tube)
	15 ml Magnetic tube holder (10 tube)
	50 ml Magnetic Tube holder (8 tubes)
Overall dimension	W x D x H (435 x 220 x 205)mm
Working Voltage	220v ac

Name	Hybridization Oven
Cat#	PHS-HO-001
Temperature range	Above ambient to 60^0 C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.5 ^{0}C
Speed	10 to 60 RPM [Analog]
Motor	PMDC Motor
Outer cabinet	Aluminum Powder coated enclosure
Inside Chamber	Stainless Steel chamber
Inner Dimension	W x D x H (350 x 250 x 260) mm
Heater Wattage	750W
Operating voltage	230v ac@ 50 Hrtz

CENTRIFUGE

Name	Micro Centrifuge - 10000 rpm with Timer
Cat#	PHS-MC-001
Speed	10,000rpm
Capacity	1.5 ml / 2ml x 6tubes
Control	Variable regulated speed
Timer	1 to 20min / Continuous mode
Safety	Closed lid operation
Overall dimension	W x D x H (145 x 180 x 155)mm
Cabinet	Aluminum Powder coated enclosure
Input voltage	230v ac@ 50 Hrz

Name	Table Top Centrifuge - [14000 rpm with Timer]
Cat#	PHS-MC-002
Speed	14,000rpm
Capacity	1.5 ml / 2ml x 12tubes
Timer	Digital Timer 1 to 20 min /cont mode
Rotor	Fixed
Control	Variable regulated speed
Safety	Closed lid operation
Overall dimension	W x D x H (194 x 235 x 230)mm
Cabinet	Aluminum Powder coated enclosure
Input voltage	230v ac@ 50 Hr

Name	TLC UV Chamber	
Cat#	PHS-MC-003	
UV Exposed area	300 x 300 nm	
UV Tubes	Short wave 254nm	
	Long Wave 365nm	
	White Light	
UV Window	UV Protective shield	
Viewing glass size	140mm Width x 35mm Depth	
UV Area	Rubber mat with strips	
Input Voltage	230v +/-10% AC 50Hz	
Working Area	W x D x H(335 x 265 x 200)mm	
Outer Dimension	W x D x H (340 x 290 x 330)mm	

SHAKERS

Name	Micro plate shaker
Cat#	PHS-MP-001
Speed	0- 1500 (Variable)
Motion	Orbital (4mm displacement)
Control	Electronic DC Control
Plate capacity	Four micro plate holders
Tray Size	270 x 200mm
Cabinet Dimension	W x D x H (220 x 170 x 220)mm
Operating voltage	230v ac@ 50 Hrtz
Digital Display	No

Name	Micro plate shaker (Digital)
Cat#	PHS-MP-002
Speed	0- 1500 (Variable)
Motion	Orbital (4mm displacement)
Control	Electronic DC Control
Plate capacity	Four micro plate holders
Timer	Digital Display with timer
Tray Size	270 x 200mm
Cabinet Dimension	W x D x H (220 x 170 x 220)mm
Operating voltage	230v ac@ 50 Hrtz

Name	Orbital Shaker (Digital Display with Timer)
Cat#	PHS-OS-001
Speed	30-250 rpm
Motion	Orbital
Display	Digital display
Control	Feedback control System
Digital Timer	Minute / Hours / Continuous Mode
Platform size	375 x 355 mm (Universal Flask Holding Tray)
Overall Dimension	W x D x H (330 x 365 x 210)mm
Flask holder	250ml x 16 nos
Input Voltage	230V A.C 50Hz

Name	Incubator Shaker [Table top model]
Cat#	PHS-IS-001
Speed	30-250 rpm
Motion	Orbital
Control	Feedback control System
Temperature range	Above Ambient to 60^0 C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.5 ^{0}C
Circulation	Blower assembly for uniform temperature
Platform size	410mm x 365mm (Universal Flask Holder tray)
Inner Dimension	W x D x H (480 x 425 x 435)mm
Flask Holder	250ml x 16 nos
Operating voltage	230v ac@ 50 Hrtz

Name	Incubator Shaker [Floor Model]
Cat#	PHS-IS-002
Speed	30-250 rpm
Motion	Orbital
Control	Feedback control System
Digital Timer	Minute / Hours / Continuous Mode
Temperature range	Above ambient to 60^0 C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.5 ^{0}C
Circulation	Blower assembly for uniform temperature
Platform size	430 x 480 mm (Universal flask holding assembly)
Inner Dimension	W x D x H (520 x 510 x 440) mm
Operating voltage	230v ac@ 50 Hrtz

Name	Incubator Shaker Cooling [Floor Model]
Cat#	PHS-IS-003
Speed	250 rpm
Motion	Orbital
Control	Feedback control System
Temperature range	16°C to 60°C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.5°C
Circulation	Blower assembly for uniform temperature
Motor	PMDC Motor
Platform Size	430 x 430 mm (Spring Mechanism)
Inner Chamber	W x D x H (490x 550x450) mm
Outer Chamber	W x D x H (550x 625x1200)mm
Inner Chamber	Stainless Steel
Outer chamber	Stainless Steel
Clamps holder capacity	250ml x 20 nos 1Lts x 5 nos 2 Lts x 4 nos
Operating voltage	230v ac@ 50 Hrtz

Name	Wrist Action Shaker
Cat#	PHS-WS-001
Speed	250 RPM Variable analog Speed
Oscillation	0-100min
Shaft	SS Side Arm Shaft
Flask capacity	250ml x 8 Bottles
Max load	10lb
Material	Aluminum Powder coated
Power	230v Ac Hz

BATHS

Name	Dry Bath with Standard block
Cat#	PHS-DB-001
Temperature range	+5°C Above ambient to 100°C
Controller	Digital temperature Control
Accuracy	+/- 0.5°C
Block size	100 x 78 x 38 mm
Block Capacity	1.5ml x 8 tubes / 2ml x 8 tubes 0.5ml x 8 tubes
Overall Dimension	W x D x H (165 x 255 x 133) mm
Input voltage	220v ac@ 50 Hrtz

Name	Precision Dual Dry Bath
Cat#	PHS-DB-002
Temp. range	+5°C Above ambient to 60°C
Controller	PID Temperature controller
Accuracy	+/- 0.2 °C
Display	Digital Display
Block size	100 x 78 x 38 mm
Block capacity	1.5ml x 48 tubes
Overall Dimension	W x D x H (220 x 170 x 105)mm
Block	High Grade Non-porus Aluminum
Safety Cutoff	Thermostatic safety cutoff
Operating voltage	230v ac@ 50 Hrtz

Name	Mini water bath 2L
Cat#	PHS-WB-001
Temperature range	Above ambient to 80°C
Controller	PID Digital temperature controller
Accuracy	+/- 0.5 °C
Capacity	2 Lts
Circulation	Special Built-in Circulator to maintain uniform temperature
Outer cabinet	Stainless steel Powder coated enclosure
Inside Chamber	Stainless Steel
Inner Dimension	W x D x H (109 x 99 x 152) mm
Lid	SS Lid Provided
Operating voltage	230v ac@ 50 Hrtz

Name	Mini water bath 5L
Cat#	PHS-WB-002
Temperature range	Above ambient to 80°C
Controller	PID Digital temperature controller
Accuracy	+/- 0.5 ^{0}C
Capacity	5 Lts
Circulation	Special Built-in Circulator to maintain uniform temperature
Outer cabinet	Stainless steel Powder coated enclosure
Inside Chamber	Stainless Steel
Inner Dimension	W x D x H (274 x 127 x 152) mm
Lid	SS Lid Provided
Operating voltage	230v ac@ 50 Hrtz

Name	Boiling Water bath - 6L
Cat#	PHS-WB-003
Temperature range	Above ambient to 100^{0} C [Boiling]
Controller	Thermostatic Controller
Accuracy	+/- 0.5 ^{0}C
Capacity	10 Lts
Outer cabinet	Stainless Steel
Inside Chamber	Stainless Steel
Inner Dimension	W x D x H (300 x 200 x 150) mm
Operating voltage	230v ac@ 50 Hrtz

Name	Water bath -10L
Cat#	PHS-WB-004
Temperature range	Above ambient to 80°C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.5 ^{0}C
Capacity	10 Lts
Circulation	Stirring to maintain uniform temperature
Tray	SS tray & Lid
Outer cabinet	Stainless steel Powder coated enclosure
Inside Chamber	Stainless Steel
Inner Dimension	W x D x H (270 x 240 x 150)mm
Outer	W x D x H (400 X 290 X 200)MM
Operating voltage	230v ac@ 50 Hrtz
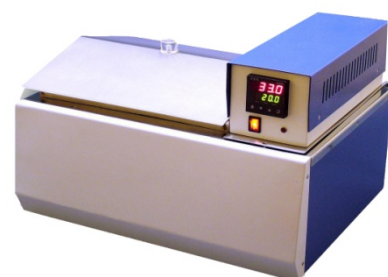
Name	Precision Water bath -20L
Cat#	PHS-WB-005
Temperature range	Above ambient to 80°C
Controller	PID Digital temperature controller
Accuracy	+/- 0.5 °C
Capacity	20 Lts
Circulation	Stirring to maintain uniform temperature
Outer cabinet	Stainless steel Powder coated enclosure
Inside Chamber	Stainless Steel
Inner Dimension	W x D x H (502 x 305 x 155) mm
Outer Dimension	W x D x H (535 x 370 x 325) mm
Safety	Thermostat Safety Cutoff
Operating voltage	230v ac@ 50 Hrtz

Name	Shaking Water bath -20L
Cat#	PHS-WB-006
Temperature Range	Above Ambient to 70°C
Controller	Digital temperature controller PID type
Accuracy	+/- 0.2 °C
Speed	0-60 Stroke Per Min (Analog Variable control)
Capacity	10 Lts
Lid	Drip Free Top Lid
Flask Holding Tray	500ml x 6 nos
Inside Cabinet	SS 304G
Outer Cabinet	SS Powder coated enclosure
Inner Dimension	W x D x H (502 x 305 x 155) mm
Operating voltage	230v ac@ 50 Hrtz

Name	Temperature control Module
Cat#	PHS-TC-001
Temperature range	Above ambient to 200°C
Controller	LED Display PID Temperature Controller
Accuracy	+/- 0.2°C
Sensor Type	PT 100 Sensor (6mm Dia x 150mm length)
Cable Length	3 Meter
Safety	Higher & Lower cutoff
Dimension	W x D x H (140 x 175 x 90)mm
Output Control	220v ac out
Working voltage	220v ac @ 50 Hrtz

Name	TLC UV Chamber With camera
Cat#	PHS-MC-004
UV Exposed area	300 x 300 nm
UV Tubes	Short wave 254nm
	Long Wave 365nm
	White Light
UV Window	UV Protective shield
Viewing glass size	140mm Width x 40mm Depth
Opening	Top
UV Area	Rubber mat with strips
Input Voltage	230v +/-10% AC 50Hz
Working Area	W x D x H(335 x 265 x 200)mm
Outer Dimension	W x D x H (340 x 290 x 330)mm
Additional part	Camera

Name	Chiller -3 L
Cat#	PHS-MC-005
Temperature Range	4 °C
Temperature Controller	Microprocessor Digital PID Temperature controller cum Indicator
Accuracy	+/-1 °C
Temp. Stability	+/-1 °C
Sensor	PT100 Sensor
Bath Volume	3 Ltrs
Flow rate	9 Ltrs
Pump Type	Chemical resistant magnetic pump
Circulating Pump	Circulating Pump to circulate liquid /water to an external source in closed loop condition
Load / Outlet	3 Outlets in Series/Parallel
Level Indicator	Front panel scale provided for minimum & maximum water level indication
Water Filling	Automatic with float level sensor
Inner chamber	Stainless steel
Outer chamber	Stainless steel powder coated
Power Supply	230V/50Hz/AC

Corning® Cell Counter

Accurate Cell Counts in a Flash

For years, the choice between manual and automated cell counting has been a difficult one. Manual cell counting, on the one hand, is accurate, but time-consuming and very user-dependent. Automated cell counting, is much faster and less user-dependent, but the cost of disposable counting slides can be an issue. A tough choice, but now there is a solution.

The new Corning Cell Counter is the first automated cell counter that combines the best of both worlds. It is:

- **Fast** – thanks to its online image processing
- **Accurate** – thanks to its cloud-based machine learning algorithm.
- **Low-cost** – works with common reusable glass hemocytometer. No consumables required.

Three-second Cell Counts

The Corning Cell Counter can perform a single cell count in less than three seconds*. This is much faster than most automated cell-counting systems. With traditional systems, the image analysis algorithms must be processed on a relatively small onboard computer. The Corning Cell Counter, utilizing the CytoSMART™ Cloud App, can process the images in the Microsoft Azure Cloud Computing Platform. This cloud computing ability means that it can analyze the images faster than any existing onboard processer can.

Higher Accuracy

The Corning Cell Counter uses a sophisticated Deep Neural Network for cell detection. This state-of-the-art image analysis software allows for optimal accuracy. When Trypan Blue is added (Figure 1) the system can also detect cell viability. The Corning Cell Counter can detect clusters of cells, which leads to accurate cell counts of "highly concentrated samples" (up to 1×10^7 cells/mL; Figure 2).

Low Cost Like Manual Counting

This Cell Counter works with the provided counting chamber or customer supplied hemocytometers, enabling users to enjoy the benefits of automated cell counting without the cost of disposable slides.

Easy to Use

The Cell Counter is easy to use. Simply connect the Cell Counter to your computer or tablet and start the CytoSMART Cloud App. Place the loaded counting chamber on the stage. Focus on your cells and press the Count button. The simplicity of the Cell Counter allows anyone working in your lab to easily count cells without the need of extensive training.
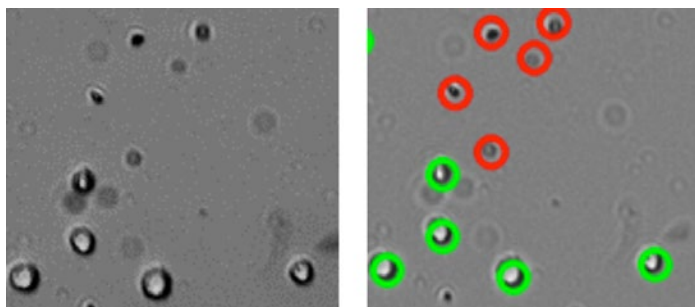
Figure 1. Dead cells stained with Trypan blue are detected by the image analysis algorithm. Red circles represent dead cells, green circles represent live cells.
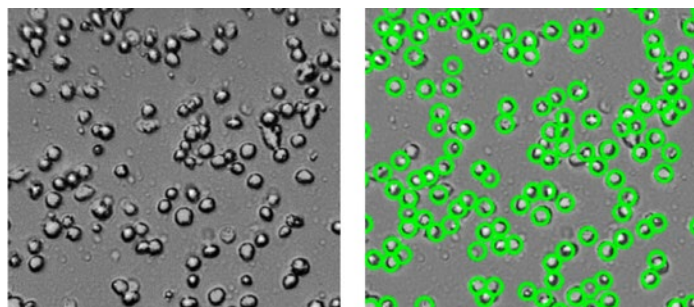

Figure 2. The image analysis algorithm is able to detect clusters of cells. Red circles represent dead cells, green circles represent live cells.

*Measured using a 73 Mbps download speed and a 20 Mbps upload speed. Actual speed can vary depending on the internet connection.

Accessible Data Anywhere, Anytime

The Corning® Cell Counter instantly generates a report containing the counted cell concentrations and viability and also the image of the counted sample with the counted cells (live and dead) clearly indicated.

This is an improvement over traditional automated counting systems, in which reporting is hampered by three factors:

1. Onboard computers are so small that it takes a very long time to generate a report.
2. Screen interface is of low quality to clearly see what has been counted as live vs. dead cells.
3. Data can only be exported using a USB stick, which can be a hassle.

With the Cell Counter, the report is instantly shown on your computer and sent to the CytoSMART™ Cloud App, enabling you to look up the analyzed image and cell count on your smartphone, tablet, or computer. Since all data is saved in the CytoSMART Cloud App, you can gain insight into the health and quality of your cell culture from one experiment to the next.

Specifications

Counting range	5×10^5 to 1.0×10^7 cells/mL
Counting range	10 to 70 µm
Measurement time	<3 sec.*
Compatibility	Reusable and disposable counting chambers
Sample volume	10 µL
Weight	1.0 kg
Field of view	2.0 x 1.5 mm
Magnification	200X
Image resolution	2048 x 1536
Exported formats	PNG
Light source	LED
Camera	5 MP CMOS
Unit dimensions	90 x 90 x 100 mm (L x W x H)
Operating environment	5°C to 40°C, 20% to 95% humidity

*Measured using a 73 Mbps download speed and a 20 Mbps upload speed. Actual speed can vary depending on the internet connection.

Ordering Information

Cat. No.	Description	Qty/Cs
6749	Corning Cell Counter	1

Contact your local Corning Account Manager to request a demonstration of the Corning Cell Counter.

Figure 3. Different concentrations of C6 cells were counted manually and using the Corning Cell Counter (n = 3). In both cases, the count corresponds well with the theoretical concentration (error bars represent the standard deviation).
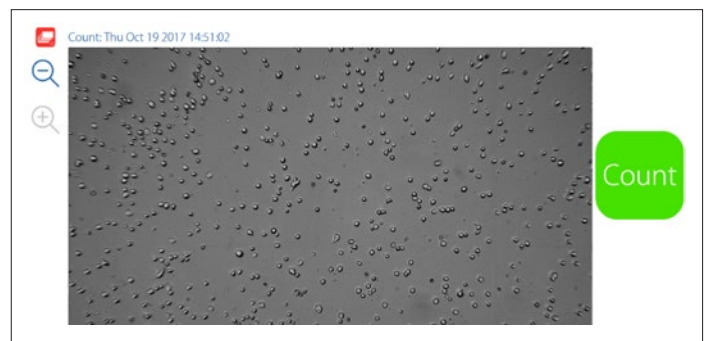
Figure 4. Press the Count button to start your cell count.
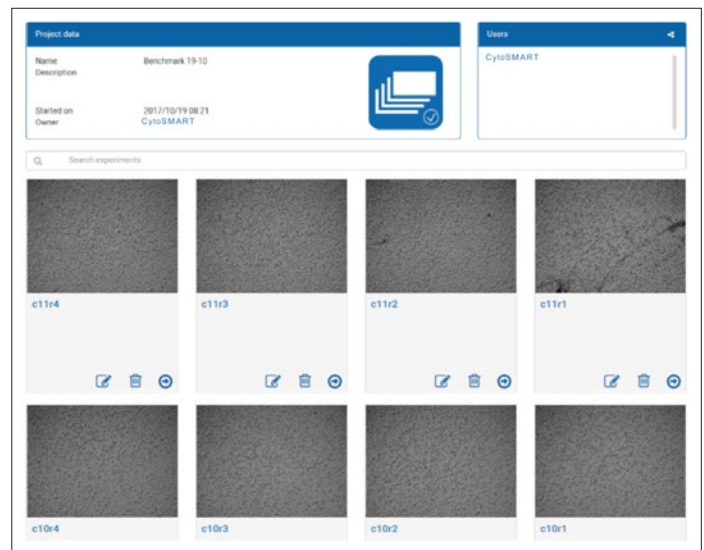
Figure 5. Look back at your data on the CytoSMART Cloud App.

CORNING

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For more specific information on claims, visit the Certificates page at **www.corning.com/lifesciences**.

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ABDOS PIPETTES

ABDOS Pipette meets the highest needs in precision and accuracy –
combined with ultimate ergonomics and increased flexibility with sophisticated blend
of feature and functionality. It is easy to calibrate and maintain with tools supplied.
The operator manual included in the pack provides complete information on recalibration
and maintenance of the pipette.

1 Comfortable Finger Support:
helps in prolonged pipetting
operation with less fatigue.

2 Easy Calibration:
Calibrated accordance with
ISO8655. Each pipette is supplied
with individual control certificate.

3 Ejector:
Very low operating force and position
in such a way that thumb strain is
reduced when moving to eject tips.

4 Display:
Clear and easy read display with
large numbers and precise increment.

5 Slim Pipette Shaft:
Allows Pipetting into narrow vessels.

6 Tip Cone:
Optimized Standard Design. Pipette tips from
ABDOS and other manufacturer's tips can be used.

7 Fully Autoclavable
without disassembly
with steam Sterilization at 121°C, 1atm
for 20 minutes. Does not require any
special preparations.

8 Premium Pipette
with lower part
autoclavable to ensure contamination
free operations.

Premium Plus Pipette

Premium Pipette
(Variable & Fixed Volume)

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Premium Plus Pipettes, PP

Fully Autoclavable Single Channel Adjustable Premium Plus Pipettes

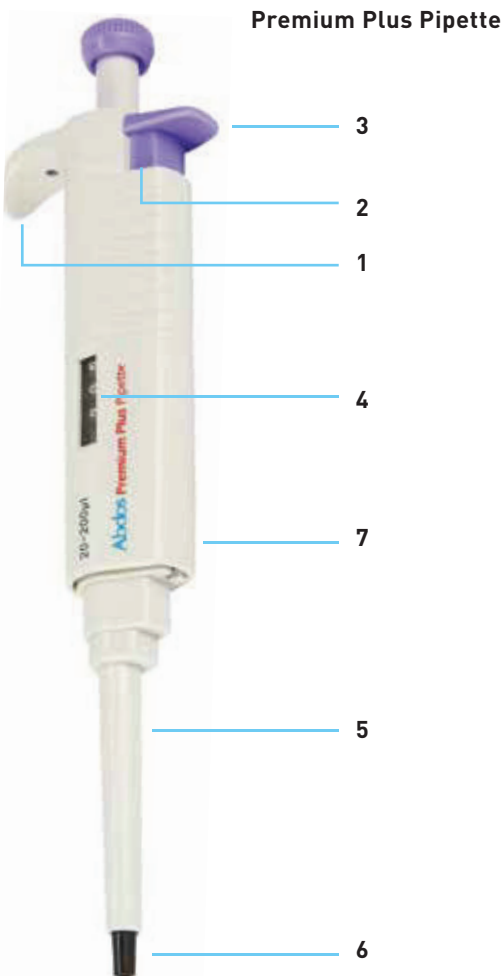| Specifications									
				Maximum permissible systematic error (Inaccuracy)		**Maximum permissible random error (Imprecision)**			
Code	Capacity (µl)	Increment (µl)	Test Volume (µl)	(± %)	(± µl)	(± %)	(± µl)	No. per Case	Price / Case (₹)
E11145	0.1 - 2.5	0.05	2.5 1.25 0.25	2.50 3.00 12.00	0.062 0.037 0.03	2.00 3.00 6.00	0.05 0.0375 0.015	1	5600
E11107	0.5 -10	0.1	10 5 1	1.00 1.50 2.50	0.1 0.175 0.025	0.80 1.50 1.50	0.08 0.075 0.015	1	5600
E11108	2-20	0.5	20 10 2	0.90 1.20 3.00	0.18 0.12 0.06	0.40 1.00 2.00	0.08 0.10 0.04	1	5600
E11146	5 - 50	0.5	50 25 5	0.60 0.90 2.00	0.3 0.225 0.1	0.30 0.60 2.00	0.15 0.15 0.1	1	5600
E11109	10-100	1	100 50 10	0.80 1.00 3.00	0.80 0.50 0.30	0.15 0.40 1.50	0.15 0.20 0.15	1	5600
E11110	20-200	1	200 100 20	0.60 0.80 3.00	1.20 0.80 0.60	0.15 0.30 1.00	0.15 0.30 1.00	1	5600
E11147	50 - 200	1	200 100 50	0.60 0.80 1.00	1.20 0.80 0.50	0.15 0.30 0.40	0.15 0.30 0.2	1	5600
E11111	100-1000	5	1000 500 100	0.60 0.70 2.00	6 3.50 2	0.20 0.25 0.70	2 1.25 0.70	1	5600
E11134	1000-5000	50	5000 2500 1000	0.50 0.60 0.70	25 15 7	0.15 0.30 0.30	7.5 7.5 3	1	5600

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 areeasy to calibrate and maintain withthe 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 recalibrationand maintenance of the pipettes.

121°C   ISO 8655   CE

Premium Pipettes, PP

Semi Autoclavable Single Channel Adjustable Premium Pipettes

Specifications									
				Maximum permissible systematic error (Inaccuracy)		**Maximum permissible random error (Imprecision)**			
Code	**Capacity (µl)**	**Increment (µl)**	**Test Volume (µl)**	**(± %)**	**(± µl)**	**(± %)**	**(± µl)**	**No. per Case**	**Price / Case (₹)**
E11100	0.1 - 2.5	0.05	2.5 1.25 0.25	2.50 3.00 12.00	0.062 0.037 0.03	2.00 3.00 6.00	0.05 0.0375 0.015	1	5000
E11101	0.5 -10	0.1	10 5 1	1.00 1.50 2.50	0.1 0.175 0.025	0.80 1.50 1.50	0.08 0.075 0.015	1	5000
E11102	2-20	0.5	20 10 2	0.90 1.20 3.00	0.18 0.12 0.06	0.40 1.00 2.00	0.08 0.10 0.04	1	5000
E11106	5 - 50	0.5	50 25 5	0.60 0.90 2.00	0.3 0.225 0.1	0.30 0.60 2.00	0.15 0.15 0.1	1	5000
E11103	10-100	1	100 50 10	0.80 1.00 3.00	0.80 0.50 0.30	0.15 0.40 1.50	0.15 0.20 0.15	1	5000
E11104	20-200	1	200 100 20	0.60 0.80 3.00	1.20 0.80 0.60	0.15 0.30 1.00	0.15 0.30 1.00	1	5000
E11112	50 - 200	1.1	200 100 50	0.60 0.80 1.00	1.20 0.80 0.50	0.15 0.30 0.40	0.15 0.30 0.2	1	5000
E11105	100-1000	5	1000 500 100	0.60 0.70 2.00	6 3.50 2	0.20 0.25 0.70	2 1.25 0.70	1	5000
E11131	1000-5000	50	5000 2500 1000	0.50 0.60 0.70	25 15 7	0.15 0.30 0.30	7.5 7.5 3	1	5000
E11132	2000-10000	100	10000 5000 2000	0.60 1.20 3.00	60 60 60	0.20 0.30 0.60	20 15 12	1	5000

Abdos Premium Pipettes are lightweight, ergonomic with low force design.

Volume settings can be clearly read throughdigital 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.

Fixed Premium Pipette, PP

Fixed Volume Pipette

Specifications								
Code	Capacity (µl)	Test Volume (µl)	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)		No. per Case	Price / Case (₹)
			(± %)	(± µl)	(± %)	(± µl)		
E10001	5	5	1.3	0.065	1.2	0.06	1	2850
E10002	10	10	0.8	0.08	0.8	0.08	1	2850
E10003	20	20	0.6	0.12	0.5	0.1	1	2850
E10004	25	25	0.5	0.125	0.3	0.075	1	2850
E10005	50	50	0.5	0.25	0.3	0.15	1	2850
E10006	100	100	0.5	0.50	0.3	0.30	1	2850
E10007	200	200	0.4	0.80	0.2	0.40	1	2850
E10008	250	250	0.4	1	0.2	0.50	1	2850
E10009	500	500	0.3	1.5	0.2	1.0	1	2850
E10010	1000	1000	0.3	3	0.2	2.0	1	2850

Abdos Premium Pipettes are lightweight, ergonomic with low force design.

Volume settings can be clearly read throughdigital 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.

Premium Plus Multi-Channel Pipette

ABDOS Premium Plus Multi-Channel Pipette meets the highest needs in precision and accuracy – combined with ultimate ergonomics and increased flexibility with sophisticated blend of feature and functionality. These fully autoclavable 8-channel and 12- multichannel pipette is available for Standard 96-well plates. Individual piston and Tip cone assemblies allows easy repair and maintenance. It is easy to calibrate and maintain with tools supplied. Calibrated in accordance with ISO8655. The quality control includes the gravimetric testing with distilled water at 22°C. It is supplied with operator manual that provides complete information on recalibration and maintenance of the pipette.

1   Volume Adjustment:
Simply turn the plunger button for volume selection.

2   Comfortable Finger Support:
Helps in prolonged pipetting operation with less fatigue.

3   Tip Ejector:
Allows convenient one handed operation. Very low operating force

4   Display:
Clear and easy read display with large numbers and precise increment.

5   Ejector Coller And Tip Cone
can be removed.

6   Rotating Dispensing Heads
provide effortless pipetting convenience.

7   Fully Autoclavable
without disassembly with steam Sterilization at 121°C, 1atm for 20 minutes. Does not require any special preparations.

8   Chemical Resistance Tip Cone:
Optimized Standard Design. Pipette tips from ABDOS and other manufacturer's tips can be used.

12 Channel

8 Channel

1
2
3
4
5
6
7
8

Premium Plus Multi-Channel Pipette, PP

8 - Channel Adjustable Premium Plus Pipettes

Specifications									
				Maximum permissible systematic error (Inaccuracy)		**Maximum permissible random error (Imprecision)**			
Code	Capacity (µl)	Increment (µl)	Test Volume (µl)	(± %)	(± µl)	(± %)	(± µl)	No. per Case	Price / Case (₹)
E11136	0.5 - 10	0.1	0.5 5 1	1.50 2.50 4.00	0.15 0.125 0.04	1.50 2.50 4.00	0.15 0.125 0.04	1	21000
E11137	5 - 50	0.5	50 25 5	1.00 1.50 3.00	0.50 0.375 0.15	0.50 1.00 2.00	0.25 0.25 0.10	1	21000
E11138	50-300	5	300 150 50	0.70 1.00 1.50	2.10 1.50 0.75	0.25 0.50 0.80	0.75 0.75 0.40	1	21000

Abdos Premium Plus Multi-channel Pipette have a unique ergonomic design for comfortable finger support and convenient tip ejector design allows one-handed operation.

The dispensing head of these pipettes rotate for optimum pipetting convenience.

The special compound material tip cone design allows visual seal verification and have excellent chemical resistance.

Individual piston and tip cone assemblies allow easy repair and maintenance.

Volume settings can be clearly read through digital display.

Abdos Premium Plus Multi-channel Pipette are easy to calibrate and maintain with the tools supplied.

These pipettes are designed to avoid repetitive strain injuries.

All Abdos pipette are supplied with operator manual that provides complete information on recalibration and maintenance of the pipettes.

Premium Plus Multi-Channel Pipette, PP

12 - Channel Adjustable Premium Plus Pipettes

Specifications									
				Maximum permissible systematic error (Inaccuracy)		**Maximum permissible random error (Imprecision)**			
Code	Capacity (µl)	Increment (µl)	Test Volume (µl)	(± %)	(± µl)	(± %)	(± µl)	No. per Case	Price / Case (₹)
E11139	0.5 - 10	0.1	0.5 5 1	1.50 2.50 4.00	0.15 0.125 0.04	1.50 2.50 4.00	0.15 0.125 0.04	1	22500
E11140	5 - 50	0.5	50 25 5	1.00 1.50 3.00	0.50 0.375 0.15	0.50 1.00 2.00	0.25 0.25 0.10	1	22500
E11141	50-300	5	300 150 50	0.70 1.00 1.50	2.10 1.50 0.75	0.25 0.50 0.80	0.75 0.75 0.40	1	22500

Abdos Premium Plus Multi-channel Pipette have a unique ergonomic design for comfortable finger support and convenient tip ejector design allows one-handed operation.

Abdos Premium Plus Multi-channel Pipette are available for standard 96-well plate.

Volume settings can be clearly read through digital display. The special compound material tip cone design allows visual seal verification and have excellent chemical resistance.

Individual piston and tip cone assemblies allow easy repair and maintenance.

These pipettes are designed to avoid repetitive strain injuries.

All Abdos pipette are supplied with operator manual that provides complete information on recalibration and maintenance of the pipettes.

The dispensing head of these pipettes rotate for optimum pipetting convenience.

Premium Electronic Pipette

				Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)			
Code	Capacity (µl)	Increment (µl)	Test Volume (µl)	(± %)	(± µl)	(± %)	(± µl)	No. per Case	Price / Case (₹)
E11161	0.5 - 10	0.01	10 1	0.10 0.03	1.0 3.0	0.05 0.03	0.50 2.00	1	36000
E11162	5 - 50	0.1	50 5	0.40 0.14	0.80 2.75	0.15 0.08	0.30 1.50	1	36000
E11163	50 - 300	1	300 30	1.80 0.75	0.60 2.50	0.60 0.23	0.20 0.75	1	36000
E11164	10 – 100	5	1000 100	5.00 2.25	0.50 2.25	1.50 0.50	0.15 0.50	1	36000

Abdos Premium Plus electronic pipette is fast, precise with an ergonomic design that is easy to use in laboratories.

Comprehensive range with easy programming.

Motor driven with build-in-error control improving pipetting precision and providing more reliable results.

Easy display and clear number.

Highly efficient lithium-ion battery offering long running time with each charge.

Lower part is autoclavable.

Reduces workload and improves the accuracy and precision.

Self calibaration - by link it to PC & a balance with USB connector, user can calibarate Premium Electronic Pipette

Pipet Rack Stand, Acrylic

Code	Places	L x W x H (mm)	No. per Case	Price /Case (₹)
P70201	5	190 x 135 x 265	1	2630

Keep your piprttors within easy inside this convenient rack.

Racks are mounted on their own stand.

Holds five standard size pipettors.

Keeps working area or desk free from clutter.

Pipette Rack Stand (Carosol Type), PP

Code	Places	No. per Case	Price /Case (₹)
P70203	6	1	6300

Keep your pipettors within easy reach inside the round carosol stand.

The carousel stand rotates smoothly and comfortable.

Holds six standard size pipettors.

Keeps working area or desk free from clutter.

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Transferpette®S

Genuine one-hand operation -
set and lock volume, pipet, eject

Distinct precision and
effortless operation

Volume-change protection
for safe pipetting

Transferpette®S single and multichannel pipette

Precise and easy to use – the Transferpette® S microliter pipettes provide all features required for pipetting in Life Science applications! By using innovative materials, the Transferpette® S pipette has become a perfect manual pipette for demanding laboratory applications.

- Effortless one-handed operation set – and locking the volume, pipetting, ejecting – all without shifting hand position!
- Clearly visible volume display – 4 digits for precise setting. Always visible, even while pipetting.
- Completely autoclavable at 121 °C (20 min) without disassembly.
- Calibration adjustment with the Easy Calibration technique.

Transferpette® S – the result of intensive ergonomic and operational studies

The genuine one-handed operation including volume adjustment for right and left-handers, as well as the reduced weight ensure easy and efficient pipetting in every volume range.

The short 12.5 mm stroke reduces the risk of RSI (Repetitive Strain Injury). This makes the Transferpette® S a very pleasant, reliable pipette with respect to its features!

The particular advantage of the multichannel pipette is easy operation, e.g., when performing serial pipetting of immunological assays, while making serial dilutions, or when filling 96-well plates for cell cultures. The perfect complement to the Transferpette® S single-channel pipette!

More features

- Large, central pipetting button and separate ejection function
- Volume-change protection
- Corrosion-resistant pistons and ejector
- Color-coded volume range
- Transferpette® S 0.1 - 1 µl – highest precision for small volumes in molecular biology, especially for pipetting enzymes.
- 3-year warranty for single-channel pipettes
- UV resistant
- CE- IVD –compliant

Transferpette® S

Transferpette® S-8

Volume range:

The Transferpette® S pipette provides maximum versatility and optimum quality over the entire volume range.

There are 10 adjustable-volume single-channel pipettes and 9 fixed-volume single-channel pipettes available in the 0.1 µl to 10 ml range.

There are 5 sizes of multichannel pipettes available in the 0.5 to 300 µl volume range.

A perfect team with pipette tips by BRAND

BRAND pipette tips and filter tips fit perfectly on the Transferpette® S and many other pipettes.

The tips are manufactured from high-quality materials in a state-of-the-art cleanroom in Germany. Thus, all racked tips and filter tips up to 1000 µl are free of DNA (<40 fg), RNase (<8.6 fg), endotoxins (<1 pg), and ATP (<1 fg), and ensure contamination-free work.

BRAND offers a full tip system for any application requirement.

At a glance ...

Genuinie one-hand operation

Label on the finger rest for individual marking

Changes from factory calibration settings are externally visible by recalibration flag

Centrally located!
Large pipetting button allows uniform, smooth movement of the piston.

Secure!
A brake helps protect against accidental volume changes.

Clearly accurate!
4-digit volume display for precise volumes. Always remains visible during pipetting.

Color-coded!
Color indicates volume range

Slim!
If the tip fits in the vessel, so does the shaft – no retrofitting necessary!

Maximum compatibility!
The tip cone design offers excellent fit with pipette tips from BRAND and broadest compatibility with tips from most other manufacturers.

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Fast!
One-handed volume setting for both right- and left-handed users – even with gloves!

Effortless!
Ergonomically arranged tip ejection button with color code according to volume range.

Maximum protection!
Completely autoclavable at 121 °C (20 min) without disassembly – for maximum protection from contamination!

Low strain!
Special O-rings made of silicone / FKM and the stepped design of the tip ejector reduce attachment and ejection forces.

Transferpette® S

200 µl

Transferpette® S -8
20 - 200 µl

Adjust

Disassemble

BRAND

Individual shafts and seals of the multichannel pipette Transferpette® S -8/-12 can be easily unscrewed (patented) and easily cleaned or replaced. Saves cost and downtime!

Technical Data

Items supplied:

Transferpette® S, adjustable volume, DE-M marking, performance certificate, shelf/rack mount and silicone grease.

Transferpette® S, adjustable volume

Capacity, µl (color-coded)	Description	A* ≤ ± %	µl	CV* ≤ %	µl	Subdivision µl	Cat. No.
⚪ 0.1 - 1	D-1 ①	2	0.02	1.2	0.012	0.001	**7047 68**
⚪ 0.1 - 2.5	D-2,5 ②	1.4	0.035	0.7	0.018	0.002	**7047 69**
⚪ 0.5 - 10	D-10	1	0.1	0.5	0.05	0.01	**7047 70**
🟡 2 - 20	D-20	0.8	0.16	0.4	0.08	0.02	**7047 72**
🟡 5 - 50	D-50	0.8	0.4	0.3	0.15	0.05	**7047 73**
🟡 10 - 100	D-100	0.6	0.6	0.2	0.2	0.1	**7047 74**
🟡 20 - 200	D-200	0.6	1.2	0.2	0.4	0.2	**7047 78**
🔵 100 - 1000	D-1000	0.6	6	0.2	2	1	**7047 80**
🔴 500 - 5000	D-5000 ③	0.6	30	0.2	10	5	**7047 82**
🔵 1000 - 10000	D-10000 ④	0.6	60	0.2	20	10	**7047 84**

Transferpette® S, fixed volume

Capacity, µl (color-coded)	Description	A* ≤ ± %	µl	CV* ≤ %	µl	Cat. No.
⚪ 10	F-10	1	0.1	0.5	0.05	**7047 08**
🟡 20	F-20**	0.8	0.16	0.4	0.08	**7047 16**
🟡 25	F-25	0.8	0.2	0.4	0.1	**7047 20**
🟡 50	F-50	0.8	0.4	0.4	0.2	**7047 28**
🟡 100	F-100	0.6	0.6	0.2	0.2	**7047 38**
🟡 200	F-200**	0.6	1.2	0.2	0.4	**7047 44**
🔵 500	F-500	0.6	3	0.2	1	**7047 54**
🔵 1000	F-1000	0.6	6	0.2	2	**7047 62**
🔴 2000	F-2000	0.8	16	0.3	6	**7047 64**

* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth operation.
A = Accuracy, CV = Coefficient of variation

** For use only with 2-200 µl pipette tips

Note:

① D-1 for use only with nano-cap™ tip from BRAND.
② D-2.5: when using BRAND nano-cap™ tips or tips from other manufacturers, calibration and possibly adjustment is necessary.
③ D-5000 for use only with 5 ml tip from BRAND and 5 ml tip from Thermo Fisher Scientific Inc. (Finnpipette®).
④ D-10000 for use with 10 ml tip from BRAND and appropriate tips from Gilson® and Eppendorf®.

Pipette-Sets, Transferpette® S, adjustable volume

Type	Description	Cat. No.
MICRO	3 Pipettes (D-2,5, D-10, D-100), 3 TipBox, 3 shelf/rack mounts	**7047 90**
MIDI	3 Pipettes (D-20, D-200, D-1000), 3 TipBox, 3 shelf/rack mounts	**7047 91**
MACRO	3 Pipettes (D-1000, D-5000, D-10000), 3 TipBox, 3 shelf/rack mounts	**7047 92**
STANDARD	3 Pipettes (D-10, D-100, D-1000), 3 TipBox, 3 shelf/rack mounts	**7047 93**
Pipette package 1	5 Pipettes (D-2,5, D-10, D-100, D-200, D-1000), 3 TipBox, bench-top rack	**7048 50**
Pipette package 2	5 Pipettes (D-10, D-100, D-200, D-1000, D-5000), 4 TipBox, bench-top rack	**7048 51**

Technical Data

Items supplied:

Transferpette® *S* -8/-12, DE-M marking, with performance certificate, 2 x TipBox, filled with pipette tips from BRAND, 1 shelf/rack mount, 1 reagent reservoir, 1 mounting tool, silicone grease and 1 set of sealing rings made of silicone/FKM.

Transferpette® *S* -8

Capacity, µl (color-coded)	Description	A* ≤ ± %	CV* ≤ %	Subdivision µl	Cat. No.
⚪ 0.5 - 10	M8-10	1.6	1.0	0.01	7037 00
🟡 5 - 50	M8-50	0.8	0.4	0.05	7037 06
🟡 10 - 100	M8-100	0.8	0.3	0.1	7037 08
🟡 20 - 200	M8-200	0.8	0.3	0.2	7037 10
🟢 30 - 300	M8-300	0.6	0.3	0.5	7037 12

Transferpette® *S* -12

Capacity, µl (color-coded)	Description	A* ≤ ± %	CV* ≤ %	Subdivision µl	Cat. No.
⚪ 0.5 - 10	M12-10	1.6	1.0	0.01	7037 20
🟡 5 - 50	M12-50	0.8	0.4	0.05	7037 26
🟡 10 - 100	M12-100	0.8	0.3	0.1	7037 28
🟡 20 - 200	M12-200	0.8	0.3	0.2	7037 30
🟢 30 - 300	M12-300	0.6	0.3	0.5	7037 32

* Calibrated to deliver (TD, Ex). Error limits according to the nominal capacity (= maximum volume) indicated on the instrument, obtained with instrument and distilled water at equilibrium with ambient temperature at 20 °C, and with smooth operation.
A = Accuracy, CV = Coefficient of variation

Note! ☞ When ordering instruments with DAkkS calibration certificates, the prefix 'DAkkS' must be added to the order number, e.g., DAkkS 7047 28.

Accessories

Bench-top rack

For 6 Transferpette® *S* or Transferpette® *S* -8/-12 pipettes. Pack of 1.

Cat. No.	7048 05

Filter

Pack of 25.

Description	Cat. No.
D-5000	7046 52
D-10000	7046 53

Shelf/rack mount

For 1 Transferpette® *S* single or multichannel pipette. Pack of 1.

Cat. No.	7048 10

Individual stand

For 1 Transferpette® *S* pipette. Pack of 1.

Bis 1000 µl

Cat. No.	7053 85

500-5000 µl

Cat. No.	7053 86

For 1 Transferpette® *S* -8/-12 pipette. Pack of 1.

Cat. No.	7034 40

The right pipette tip for your Transferpette *S*

Optimal performance will be achieved with the use of genuine premium tips from BRAND. BRAND quality tips seat perfectly for precise analyses.

Pipette tips / Filter tips Volume range	Transferpette® S single-channel Nominal volume													Transferpette® S multichannel Nominal volume				
	1 µl	2.5 µl	10 µl	20 µl	25 µl	50 µl	100 µl	200 µl	500 µl	1000 µl	2 ml	5 ml	10 ml	10 µl	50 µl	100 µl	200 µl	300 µl
0.1 - 20 µl	✔	✔²⁾	✔²⁾											✔				
0.5 - 20 µl		✔	✔											✔				
1 - 50 µl		✔²⁾	✔											✔				
2 - 200 µl¹⁾				✔	✔	✔	✔	✔							✔	✔	✔	✔
5 - 300 µl				✔	✔	✔	✔	✔							✔	✔	✔	✔
50 - 1000 µl¹⁾									✔	✔								
0.5 - 5 ml											✔	✔						
1 - 10 ml													✔					
0,1 - 1 µl	✔	✔²⁾	✔²⁾											✔				
0.5 - 10 µl		✔	✔											✔				
1 - 20 µl			✔											✔				
2 - 20 µl				✔	✔	✔	✔	✔							✔	✔	✔	
5 - 100 µl				✔	✔	✔	✔	✔							✔	✔	✔	✔
5 - 200 µl								✔							✔	✔	✔	✔
50 - 1000 µl									✔	✔								

✔ = Tip volume less than pipette's nominal volume

¹⁾ Bulk tips are yellow or blue colored, racked tips are colorless in a yellow-colored or blue-colored tip tray

²⁾ Calibration and possibly adjustment is necessary.

For more information about the Transferpette® *S* go to shop.brand.de!

BRAND®

HALYARD* NITRILE GLOVE LINE

HALYARD

THE RIGHT LATEX-FREE GLOVE
FOR EVERY PROCEDURE

Our full line of Nitrile Exam Gloves provides barrier protection against strikethrough of blood and other potentially harmful fluids. These durable gloves provide the fit and feel without the risks associated with latex-related sensitivity or allergy.

- **PURPLE NITRILE* Exam Gloves:**
  Maximum Protection For Higher-Risk Procedures

  PURPLE NITRILE* Exam Gloves are frequently the glove of choice for healthcare workers who need outstanding barrier protection from bacteria, viruses and chemicals during procedures where risk of fluid exposure is moderate to high. PURPLE NITRILE* gloves offer the highest level of chemotherapy protection available in Halyard's line of nitrile exam gloves. These durablegloves are available in 9.5 and 12-inch lengths, for maximum coverage and protection. PURPLE NITRILE* Gloves are especially appropriate in dealing with unknown risks.

- **STERLING* Nitrile Exam Gloves:**
  The Worry-Free Choice For Virtually Every Task

  STERLING* Nitrile Exam Gloves were specifically designed to fit and feel like latex, with excellent comfort and tactile sensitivity. They provide durable barrier protection in situations where expected fluid exposure is low to high. These gloves are available in 9.5 and 12-inch lengths, for maximum coverage and protection. Most STERLING* Nitrile Exam Gloves are cleared for use in chemotherapy. If you want to standardize on one exam glove that can fit virtually all your needs facility-wide, STERLING* Nitrile is the glove to choose.

- **LAVENDER* Nitrile Exam Gloves:**
  Affordable Nitrile Protection And Comfort

  LAVENDER* Nitrile Exam Gloves are thinner, lighter, and more economical than standard nitrile, yet they retain the protective properties required for excellent performance across a wide range of healthcare tasks. They're the ideal replacement for vinyl and latex exam gloves, providing a superior barrier and more comfort than vinyl, while avoiding the problem of latex allergy, all at an affordable price.

The Right Latex-Free Glove for Every Procedure

Anticipated Risk of Exposure to Fluid	Glove Characteristics	Recommended Areas of Use†

PURPLE NITRILE* Exam Gloves | Outstanding Barrier Protection

Moderate to High **PURPLE NITRILE***	Natural Rubber Latex-Free Non-Sterile Powder-Free Heavy-Weight	Chemo Tested EMS ER Trauma Burn Units Critical Care Units

STERLING* Nitrile Exam Gloves | Facility-Wide Use

Low to High **STERLING***	Natural Rubber Latex-Free Non-Sterile Powder-Free Medium-Weight	Chemo Tested House-Wide ICU OR Laboratories Pharmacy

LAVENDER* Nitrile Exam Gloves | Nitrile Protection and Comfort

Low to Moderate **LAVENDER***	Natural Rubber Latex-Free Non-Sterile Powder-Free Light-Weight	General Meds Dispensing Patient Transport Routine Oral Care Noninvasive Exams Specimen Transport Phlebotomy

HIGHER ← PROTECTION → LOWER

†Recommended areas and tasks are based on feedback from a research panel of 300 Registered Nurses, Infection Preventionalists, and Materials Managers. Ultimately, health care personnel must make the final decision on which level of glove protection is appropriate given the anticipated risk of fluid exposure.

Additional Glove Information

Available Configurations by Glove Family	LAVENDER* Nitrile Exam Gloves	STERLING* Nitrile Exam Gloves	PURPLE NITRILE* Exam Gloves
12' Extended Length	—	✓	✓
• Meets NFPA 1999:2008	—	✓	✓
Chemotherapy Tested	—	✓	✓
PPE Station Codes	—	✓	—
Sterile Pairs	—	✓	✓
Sterile Singles	—	✓	✓
Key Product Specifications			
9.5" Glove Box Count	250††	200†††	100††††
Beaded Cuffs & Textured Fingers	✓	✓	✓
Meets ASTM 6319 Requirements	✓	✓	✓
Elongation:			
Before Aging:	650%	580%	550%
After Aging:	550%	550%	500%
Tensile Strength:			
Before Aging:	23 MPa	35 MPa	21 MPa
After Aging:	24 MPa	39 MPa	21 MPa
Thickness:			
Middle Finger (mm):	0.07	0.10	0.15
Palm (mm):	0.05	0.07	0.12
Cuff (mm):	0.04	0.06	0.09

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A NEW PACKAGE DESIGN

**Kimberly-Clark Health Care is now Halyard Health.
As a result, our packaging design has changed.**

FROM ✚ Kimberly-Clark ▶ **TO** ◉ HALYARD

MEDICAL EXAM GLOVES PRODUCT NAMES
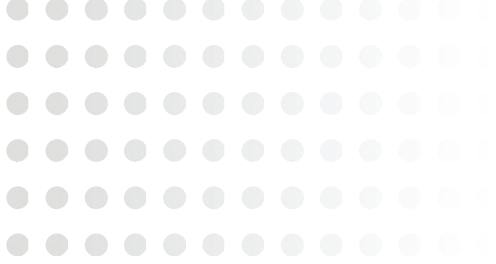
FROM	TO
KC100 LAVENDER* Nitrile Exam Glove	LAVENDER* Nitrile Exam Glove
KC200 STERLING SG* Nitrile Exam Glove	STERLING SG* Nitrile Exam Glove
KC300 STERLING* Nitrile Exam Glove	STERLING* Nitrile Exam Glove
KC500 PURPLE NITRILE* Exam Glove	PURPLE NITRILE* Exam Glove
KC500 PURPLE NITRILE* Dental Exam Glove	PURPLE NITRILE* Dental Patient Exam Glove
KC500E PURPLE NITRILE* Emergency Responder Series Exam Glove	PURPLE NITRILE* Emergency Responder Series Exam Glove

Good things come in Halyard packaging!

If you have any questions, please visit **www.halyardhealth.com/changecommunications**

Terms & Conditions

1. Prices are subject to change without prior notice.

2. The manufacturer warrants this product to be free from defects in workmanship and materials, under normal use and conditions, for *a* period of one (1) year from the original invoice date. Goods have to be used strictly in accordance with instructions given in the manual.

3. Complaints if any should be communicated to us within 15 days from the date of invoice/supply, whichever is earlier.

4. Images displayed are for illustration purposes only. Actual product may vary due to product enhancement.

5. Proteogen will make every effort to ship the products or provide the services hereunder in accordance with the requested delivery date in the purchase order. We accept no liability for any losses or damage arising out of the delays in delivery. Shipment of all products shall be Ex-Works point of distribution by Proteogen; identification of the products shall occur when they leave Proteogen point of distribution, at which time title and risk of loss shall pass to Buyer. All shipment costs including freight and insurance shall be paid by Buyer and if prepaid by Proteogen, the amount thereof shall be reimbursed to Proteogen.

6. The accessories shown may not be a part of the standard equipment.

7. All disputes are subject to Bengaluru Jurisdiction only.

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