

42nd year
1983 - 2025

ELECTROPHORESIS SYSTEMS

BIOTECH R&D LABORATORIES



BIOTECH YERCAUD

ELECTROPHORESIS SYSTEMS



Biotech was functioning in a small hut in 1983.
One of the 1st batch of instruments is in the foreground.

Biotech R&D Laboratories

Yercaud - 636601, Salem, TN

Email: biotechyercaud@gmail.com

Website: www.biotechyercaud.com

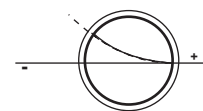
Mobile: 94432 22480



Hands on training programs

On

Electrophoresis Techniques



The Electrophoresis Institute
Biotech Yercaud

Introduction

We are glad to inform that Biotech Yercaud is entering into the **42**nd year of service. I am deeply indebted to all those who help us to serve in the field of electrophoresis so long. And wish the same kind of support and cooperation to serve you better.

All our products right from Paper electrophoresis system up to softwares for gel analysis are categorically listed in this Catalog. Customers are requested to use specific CODE numbers for convenience.

The Electrophoresis Institute is our sister concern. Training programs are periodically conducted. So far, 11 summer courses and 65 short term workshops were conducted since, 1999. New suggestions raised by trainees during our training programs are constantly incorporated in our system. Thanks to trainees for their instant feedback.

I am deeply indebted to my wife for her consistent help & suggestions in preparing this catalog. Customers' feedback, co-operation of my staff members, friends and dealers are always pillars behind this success so far !

General Information

1. Special Discount
2. Taxes – Extra (GST as applicable)
3. Supply – 2-4 weeks (Priority for orders with 100% advance payment)
4. Payment – 100% Advance
5. Freight & Delivery charges – Extra as applicable.
6. Other charges - Insurance, octroi & other charges will be extra.
7. Demo / Installation - if required at customer's place will be charged extra.
8. Warranty – generally, 12 months. (No guarantee is given for glass / imported items)
9. Products specifications / prices are subjected to changes. Please contact us for current rates

For Biotech R & D Laboratories
Dr.K.Anbalagan



Contents

- *Paper Electrophoresis Systems* 4
- *Horizontal (Immuno) Systems* 6
- *Submarine (Agarose) Gel Systems* 8
- *Rod / Tube Gel Systems* 11
- *Vertical Slab Gel (PAGE) Systems* 13
- *Sequencing Gel System - Conventional* 17
- *Electro Transfer (Blotting) Systems* 19
- *Transilluminators* 21
- *Power Packs* 25
- *Comet Assay (Single Cell) System* 28
- *Horizontal (Slide) Gel System* 29
- *Gel Documentation System* 31
- *Results At a Glance* 33



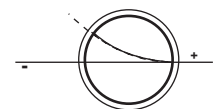
Front Cover :
Anthurium Plant at Manasy
Estate, Yercaud



Electrophoresis -

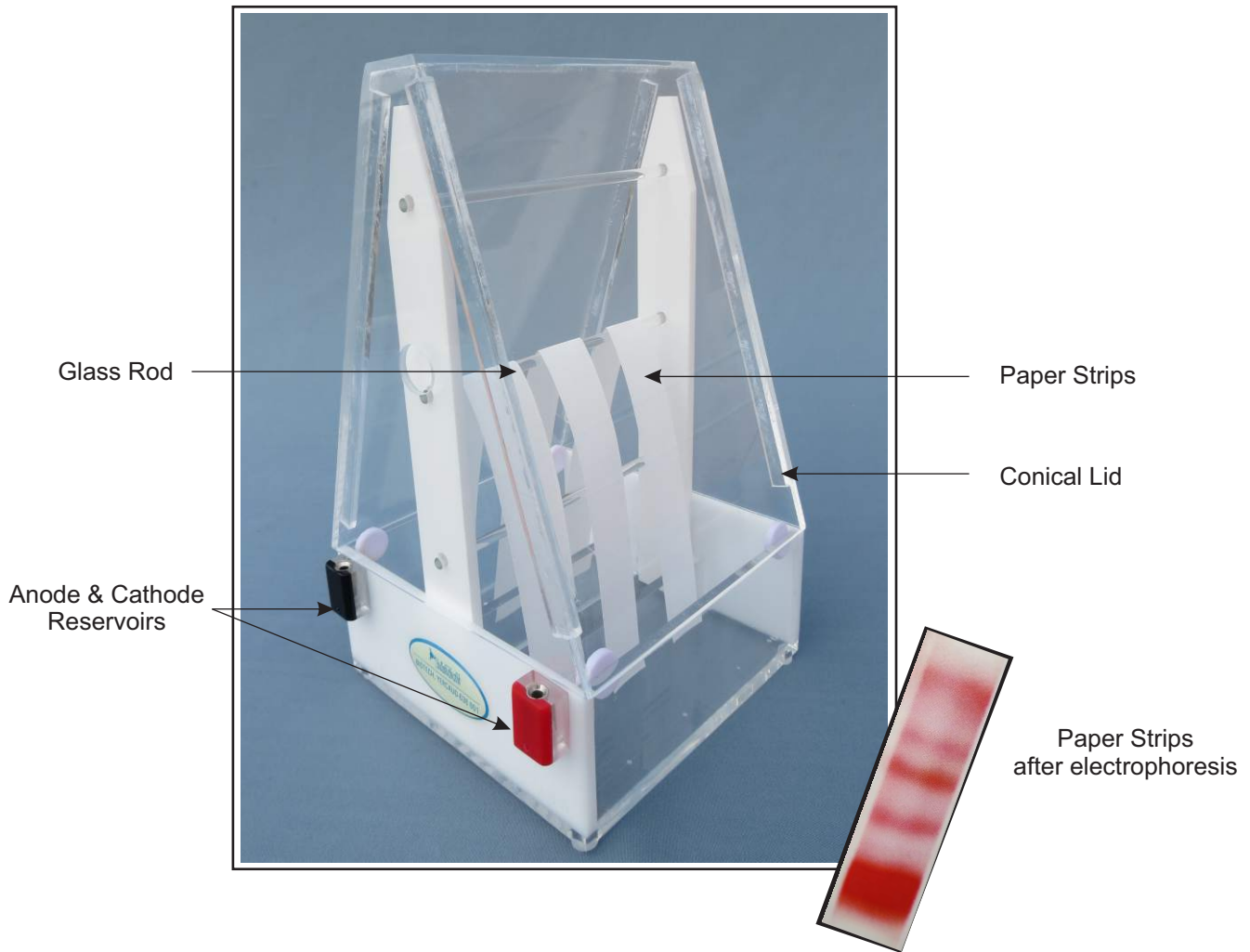
by

Dr.K.Anbalagan



*The Electrophoresis Institute
Biotech - Yercaud*

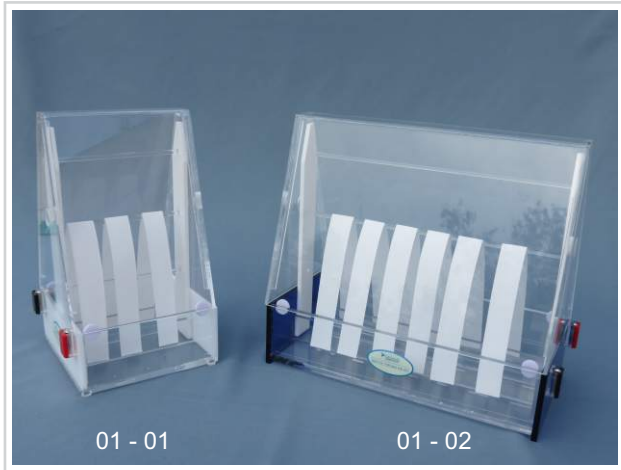
BIOTECH YERCAUD
PAPER ELECTROPHORESIS SYSTEMS



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. Blood plasma, serum and urine samples are investigated in Whatman filter paper / Cellulose acetate strips. Agar or agarose gel prepared on glass slides also can be used in these systems.

BIOTECH YERCAUD manufactures different models of Vertical & Horizontal systems for conveniently performing paper electrophoresis.





01 - 01
Vertical Model - Small for 3 strips.

Basic unit with Platinum electrode assembly (2), Paper Supporting rods (2) and Power cord (1).

Size (lbh) : 15 x 15 x 27 cm; 0.75 kg; Buffer - 100 + 100 mL;
 *Recommended Power Pack - Mini / Analytical Model

01 - 02
Vertical Model - Large for 6 strips.

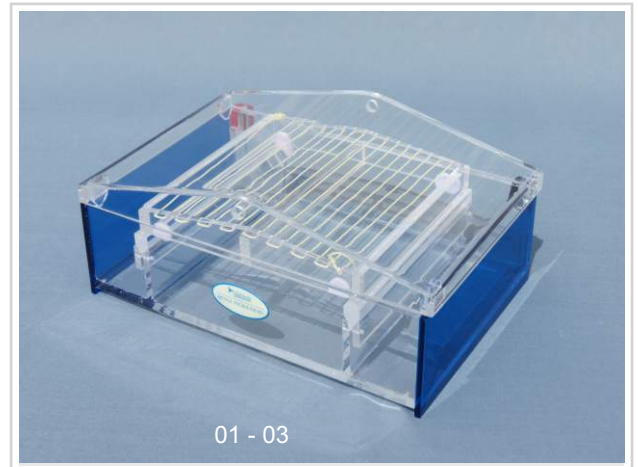
Basic unit with Platinum electrode assembly (2), Paper supporting rods (2) and Power cord (1).

Size (lbh): 30 x 15 x 27 cm; 1.5 kg; Buffer - 200 + 200 mL;
 *Recommended Power Pack - Analytical / Versatile Model

01-03
Horizontal Model – for 6 Paper Strips

Basic unit with Platinum electrode assembly (2), Paper supporting frame (1), Clamping rods (2), and Power cord (1).

Size (lbh): 20 x 20 x 7 cm; 2 kg; Buffer – 200 + 200 mL;
 *Recommended Power Pack - Analytical / Versatile Model



01-04
Membrane System – Mini.
 (for Two 3 x 1" Cellulose Acetate Strips)
 Basic unit with Platinum electrode assembly (2), Paper supporting frame (1), and Power cord (1).

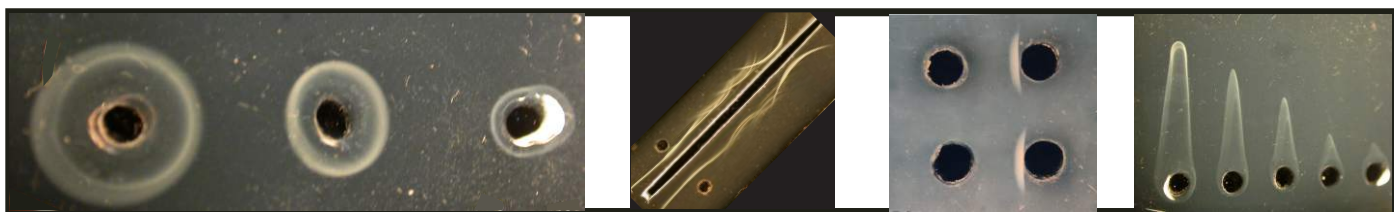
Size (lbh): 15 x 7 x 6 cm; 0.3 kg; Buffer – 25 + 25 mL;
 *Recommended Power Pack - Mini Model

01-05
Membrane System – Large.
 (for Four 3 x 1" Cellulose Acetate Strips)
 Basic unit with Platinum electrode assembly (2), Paper supporting frame (2), and Power cord (1).

Size (lbh): 15 x 7 x 15 cm; 0.7 kg; Buffer – 100 + 100 mL;
 *Recommended Power Pack - Mini Model

BIOTECH YERCAUD

HORIZONTAL (IMMUNO) ELECTROPHORESIS SYSTEMS



All kinds of immunoelectrophoresis are done horizontally in agar / agarose gel slides. Paper wick connectivity is necessary for gel – buffer contact.

BIOTECH YERCAUD manufactures different models of horizontal systems to perform all methods. Recently new clinical gel systems are also available for using pre-cast plastic gels of different sizes.





02-01
Immuno System - Baby (2 slides)

Basic unit with Platinum electrode assembly (2), Gel Puncher - 3.0 mm dia (1) and Power cord (1).

Size (lbh): 13 x 6 x 6 cm; 0.3 kg; Buffer – 25 + 25 mL;
 *Recommended Power Pack - Mini Model

02-02

Immuno System - Mini - 2 slides

Basic unit with Platinum electrode assembly (2), Templates for Counter, Rocket & William-Graber (3); Gel Puncher - 4.0 mm dia (1) and Power cord (1).

Size (lbh): 13 x 8 x 6 cm; 0.5 kg; Buffer – 50 + 50 mL;
 *Recommended Power Pack - Mini Model



02-03
Immuno system - Large - 5 slides

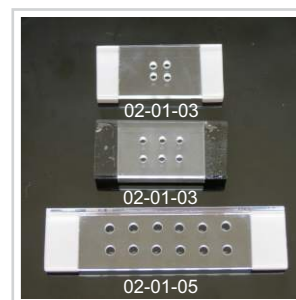
Basic unit with Platinum electrode assembly (2), Templates for Counter, Rocket & William-Graber (3); Gel Puncher - 4.0 mm dia (1) and Power cord (1).

Size (lbh) 13 x 15 x 6 cm; 0.75 kg; Buffer – 100 +100 mL;
 *Recommended Power Pack - Mini Model

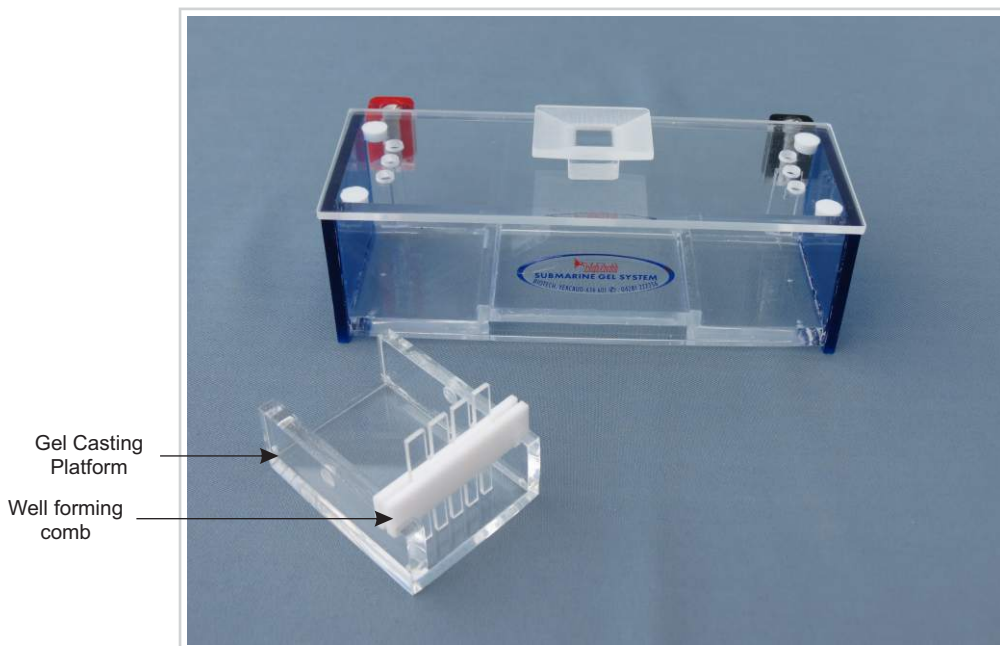
Accessories - Extra

(suitable for all the above systems)

- 02-01-01 Gel Punchers - 4,5,6 mm o.d. (3/pk)
- 02-01-02 William-Graber Template with holder, cutter & gel remover
- 02-01-03 Counter Immuno Template (CIT)
- 02-01-04 Rocket Immuno Template (RIT)
- 02-01-05 Double Diffusion Template (7.5 x 2.5 cm)
- 02-01-06 Acrylic leveling table with leveling feet – 25 x 15 cm
- 02-01-07 Glass slides for CIT & RIT - 1.5 x 1" (12/pk)
- 02-01-08 Glass slides for WG Template - 3 x 1" (12/pk)
- 02-01-09 Glass slides for Rocket gels - 5 x 5 cm (6/pk)
- 02-01-10 CA Supporting Frame – Small
- 02-01-11 CA Supporting Frame – Large

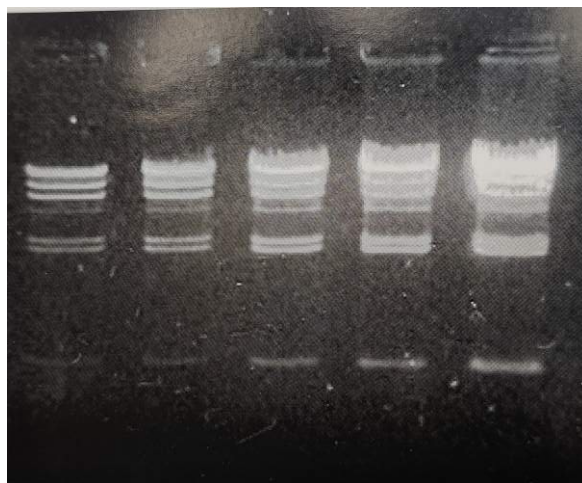


BIOTECH YERCAUD
SUBMARINE (*HORIZONTAL*) GEL SYSTEMS



Nucleic Acids (DNA / RNA) fragments are routinely separated in agarose gels under (buffer) submerged conditions. This process, known as Submarine Gel Electrophoresis – maintains ***temperature & pH*** during electrophoresis.

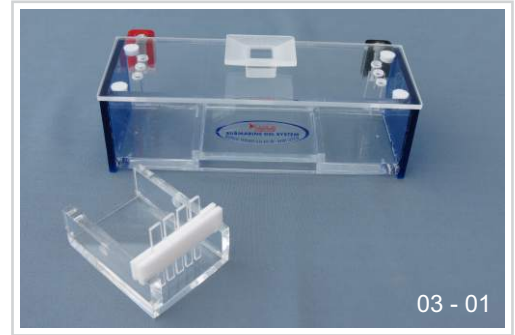
BIOTECH YERCAUD manufactures different models of submarine gel systems from baby to maxi models to resolve 4 to 100 samples at a time. Every system has been devoted to achieve maximum efficiency in terms of low buffer consumption, fast run and better separation.



03-01
Baby - Gel 7 x 3.5 cm

Basic unit with Platinum electrode assembly (2),
 Gel platforms: 7x4 cm (1); 4/5 -Well Comb - 1.5 mm (1),
 and Power cord (1).

Size (lbh): 18 x 6.5 x 6 cm; Buffer – 160 mL;
 *Recommended Power Pack - Mini Model



03 - 01



03 - 02

03-02
Mini - Gels 10x7; 5x7 cm

Basic unit with Platinum electrode assembly (2), Gel
 platforms: 10x7 cm (1); 7x5 cm (2), 8-Well Comb - 1.5 mm (2)
 and Power cord (1).

Size (lbh): 21 x 10 x 6.5 cm; Buffer – 250 mL;
 *Recommended Power Pack - Mini Model

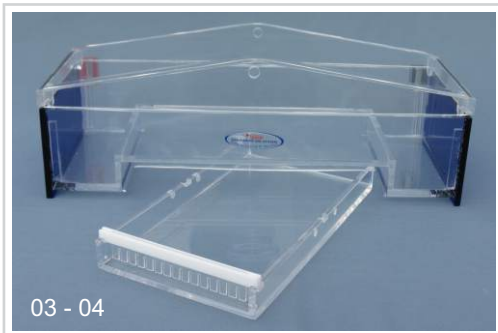
03-03
Analytical Model - Gels 13x13, 6x6 cm

Basic unit with Platinum electrode assembly (2),
 Gel platforms : 13x13 cm (1); 6x6.5 cm (4),
 15-Well Comb - 1.5 mm (1), 8-Well Comb - 1.5 mm (4),
 and Power cord (1).

Size (lbh): 27.5 x 15.5 x 7 cm; Buffer – 700 mL;
 *Recommended Power Pack - Analytical / Professional Model



03 - 03



03 - 04

03-04
Preparative Model - Gel 25x13 cm

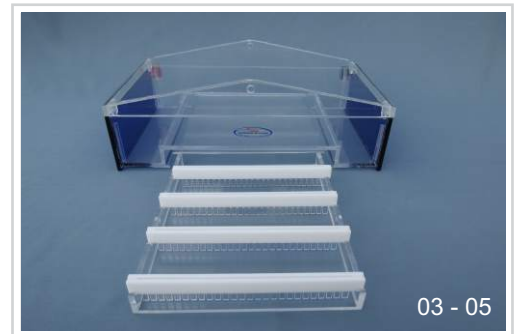
Basic unit with Platinum electrode assembly (2),
 Gel Platforms : 25 x 13 cm (1), 15-Well Comb - 1.5 mm (1)
 3-Well Preparative combs: 3.0 mm (1); 6.0 mm (1)
 and Power cord (1).

Size (lbh): 39 x 16 x 9 cm; Buffer – 1250 mL;
 *Recommended Power Pack - Analytical / Professional Model

03-05
**Maxi Model - 20x25cm Gels with UVT platform for PCR
 samples up to 104 samples.**

Basic unit with Platinum electrode assembly (1),
 UV Transparent Gel Platform : 20x20 cm (1),
 26-Well Comb 1.5 mm(4), and Power cord (1).

Size (lbh): 39.5 x 23 x 9 cm; Buffer – 2000 mL;
 *Recommended Power Pack - Versatile Model



03 - 05

Accessories - Extra

03-01-01 Gel Casting System - Baby
 03-01-02 Gel Platform – 7 x 4 cm Ordinary
 03-01-03 Gel Platform – 7 x 4 cm **UVT**
 03-01-04 Dual Comb, 4/5 Wells, 1.0 mm
 03-01-05 Dual Comb, 4/5 Wells, 1.5 mm
 03-01-06 Gel Scoop, Ordinary
 03-01-07 Gel Scoop, **UVT**

03-02-01 Gel Casting system – Mini
 03-02-02 Developing Chamber – Light proof
 03-02-03 Gel Platform – 5 x 7 cm, Ordinary (2/pk)
 03-02-04 Gel Platform – 10 x 7 cm, Ordinary
 03-02-05 Gel Platform – **UVT** - 5 x 7 cm (2/pk)
 03-02-06 Gel Platform – **UVT** - 10 x 7 cm
 03-02-07 8-Well Comb, 1.0 mm
 03-02-08 8-Well Comb, 1.5 mm
 03-02-09 2-Well Preparative Comb, 3.0 mm
 03-02-10 Gel Scoop, Ordinary
 03-02-11 Gel Scoop, **UVT**

03-03-01 Gel Casting System – Medium
 03-03-02 Gel Developing Chamber, Light proof
 03-03-03 Gel Platform – 6 x 6.5 cm, Ordinary (2/pk)
 03-03-04 Gel Platform – 13 x 6 cm, Ordinary
 03-03-05 Gel Platform – 13 x 13 cm, Ordinary
 03-03-06 Gel Platform – 6 x 6.5 cm **UVT** (2/pk)
 03-03-07 Gel Platform – 13 x 6 cm, **UVT**
 03-03-08 Gel Platform – 13 x 13 cm **UVT**
 03-03-09 8-Well Comb, 1.0 mm
 03-03-10 8-Well Comb, 1.5 mm
 03-03-11 15-Well Comb, 1.0 mm
 03-03-12 15-Well Comb, 1.5 mm
 03-03-13 20-Well Comb, 1.0 mm
 03-03-14 20-Well Comb, 1.5 mm
 03-03-15 3-Well Preparative Comb, 3.0 mm
 03-03-16 3-Well Preparative Comb, 6.0 mm
 03-03-17 Gel Scoop, Ordinary
 03-03-18 Gel Scoop, **UVT**

03-04-01 Gel Casting System, Large
 03-04-02 Gel Developing Chamber, Light proof
 03-04-03 Gel Platform – 25 x 13 cm, Ordinary
 03-04-04 Gel Platform – 25 x 13 cm, **UVT**
 03-04-05 3-Well Preparative Comb, 3.0 mm
 03-04-06 3-Well Preparative Comb, 6.0 mm
 03-04-07 Gel Scoop, Ordinary
 03-04-08 Gel Scoop, **UVT**

03-05-01 Gel Casting System, Maxi
 03-05-02 Gel Developing Chamber, Light proof
 03-05-03 Gel Platform – 20 x 15 cm, **UVT**
 03-05-04 Gel Platform – 20 x 20 cm, **UVT**
 03-05-05 Gel Platform – 20 x 25 cm, **UVT**
 03-05-06 20-Well Comb, 1.0 mm
 03-05-07 20-Well Comb, 1.5 mm
 03-05-08 26-Well Comb, 1.0 mm
 03-05-09 26-Well Comb, 1.5 mm
 03-05-10 30-Well Comb, 1.0 mm
 03-05-11 30-Well Comb, 1.5 mm



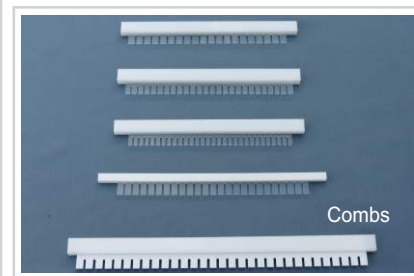
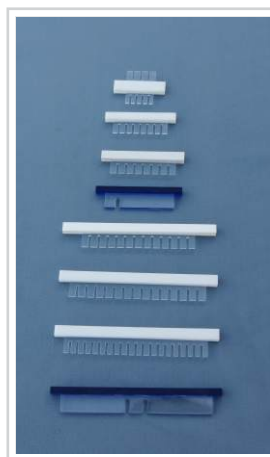
Gel Casting System



Gel Scoop



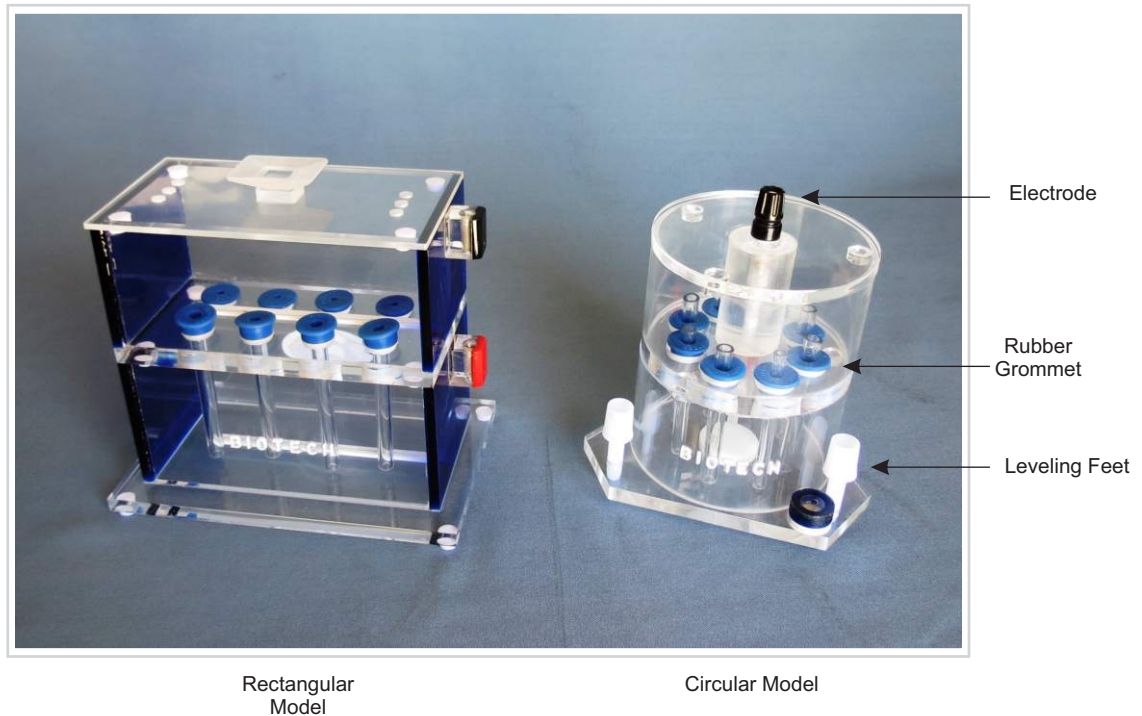
Gel Developing Chamber
- Light proof



Combs

* We also take customisable orders with various specifications

BIOTECH YERCAUD
ROD (TUBE / DISC) GEL SYSTEM



PolyAcrylamide Gel Electrophoresis (PAGE) was first practiced in glass tubes.

It has been conveniently employed for separation of native (enzyme) or denatured proteins. It is useful for smaller volumes of radio labeled samples as well as larger volumes. 2D PAGE employs capillary tubes for the 1st isoelectricfocusing.

BIOTECH YERCAUD manufactures two different models - circular and rectangular models with different tube capacity. Both are proved to perform equally well.



04-01

Rectangular Model – Small, 6 Gel Tubes

Basic unit with upper cathode and bottom anode chambers, Platinum electrode assembly (2), Glass tubes -14 cm long x 5 mm i.d (6 nos); 7.5 cm long x 5 mm i.d (6 nos), Rubber grommets (6), Rubber grommets without holes (6), Adjustable tube stand (1), Long needles (2) and Power cord(1).

Size: (lbh) 13 x 13 x 7 cm; 0.75 kg; Buffer, 250 + 250 mL;

*Recommended Power Pack - Analytical Model

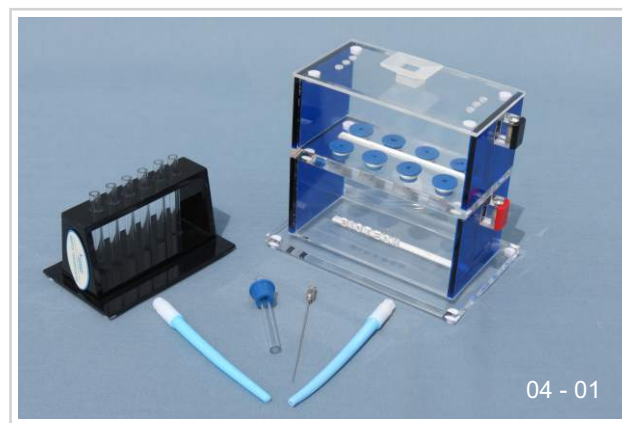
04-02

Rectangular Model – Large, 12 Gel Tubes

Basic unit with upper cathode and bottom anode chambers, Platinum electrode assembly (2), Glass tubes -14 cm long x 5 mm i.d (12 nos); 7.5 cm long x 5 mm i.d (12 nos), Rubber grommets (12), Rubber grommets without holes (12), Adjustable tube stand (1), Long needles (2) and Power cord(1).

Size: (lbh) 24 x 10 x 25 cm; 1.5 kg; Buffer, 500 + 500 mL;

*Recommended Power Pack - Analytical Model



04 - 01

04-03

Circular Model – Small, 8 Gel Tubes

Basic unit with upper cathode and bottom anode chambers, Platinum electrode assembly(2), Glass tubes-7.5 cm long x 5 mm i.d(8 nos);Gel Tube stand, fixed(1),Rubber grommets (8), Long needles (2) and Power cord(1).

Size: (idhx) 10 x 14 cm; 0.5 kg; Buffer, 250 mL;

*Recommended Power Pack - Analytical Model

04-04

Circular Model – Large, 12 Gel Tubes

Basic unit with upper cathode and bottom anode chambers, Platinum electrode assembly (2), Glass tubes - 14 cm long x 5 mm i.d (12 nos);Gel Tube stand, fixed (1), Rubber grommets (12), Long needles (2) and Power cord(1).

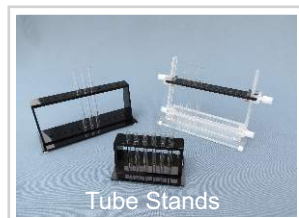
Size: (idhx) 15 x 24 cm; 1.5 kg; Buffer, 500 mL;

*Recommended Power Pack - Analytical Model



04 - 03

04 - 04



Tube Stands



Destainer

Accessories - extra

- 04-01-01 Gel Destainer - Diffusion type - Small
- 04-01-02 Gel Destainer - Diffusion type - Large
- 04-01-03 Gel Slicer
- 04-01-04 Tube Stand
- 04-01-05 Glass Tubes - 7.5 cm x 3 mm (length x id)
- 04-01-06 Glass Tubes - 7.5 cm x 4 mm
- 04-01-07 Glass Tubes - 7.5 cm x 5 mm
- 04-01-08 Glass Tubes - 7.5 cm x 6 mm



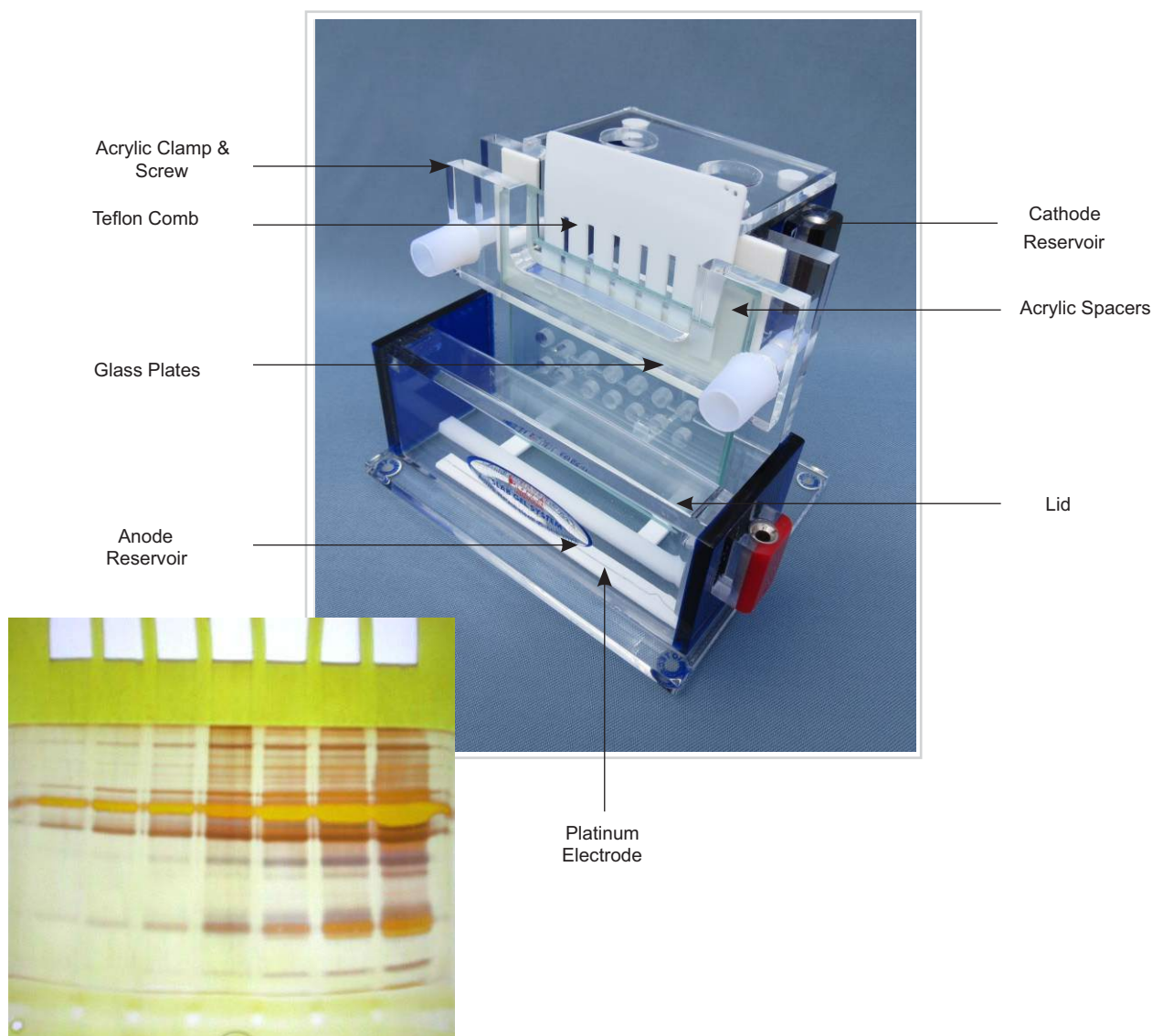
Gel Slicer



Rubber Grommets

- 04-02-01 Gel Destainer, Diffusion type, Large
- 04-02-02 Gel Slicer
- 04-02-03 Gel Tube stand, Adjustable height
- 04-02-04 Gel Tube stand, Fixed height, Large
- 04-02-05 Glass Tubes - 14 cm x 3 mm id
- 04-02-06 Glass Tubes - 14 cm x 4 mm
- 04-02-07 Glass Tubes - 14 cm x 5 mm
- 04-02-08 Glass Tubes - 14 cm x 6 mm
- 04-02-09 Rubber Grommets, 3.0 mm(12/pk)
- 04-02-10 Rubber Grommets, 4.0 mm (12/pk)
- 04-02-11 Rubber Grommets, 5.0 mm (12/pk)
- 04-02-12 Rubber Grommets, 6.0 mm (12/pk)
- 04-02-13 Rubber Grommets,without holes (12/pk)
- 04-02-14 Long Needles (2/pk)

BIOTECH YERCAUD VERTICAL SLAB GEL SYSTEM



PolyAcrylamide Gel Electrophoresis (PAGE) in Slabs is a widely used techniques. Molecular size of Polypeptides can be determined by SDS PAGE. They can be transferred on to membranes for antibody detection.

BIOTECH YERCAUD manufactures mini / regular size gel apparatus. Dual models are dedicated for enzymes studies at controlled temperatures. New baby model is very efficient in resolution.

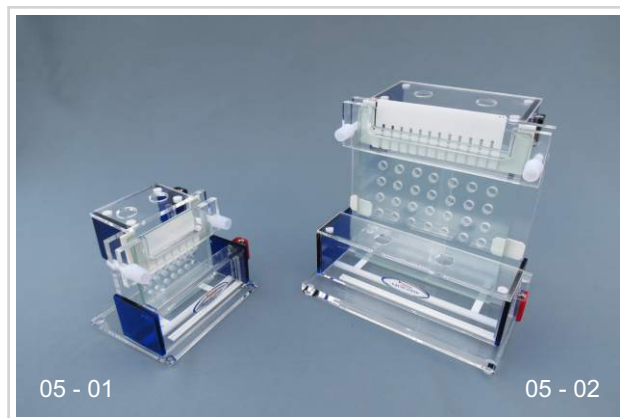


05-01

Mini Model - One 8x7cm Gel

Basic unit with Platinum electrode assembly (2), Glass Plates - notched & rectangular (2 sets), 7 - Well Teflon comb - 1,1.5 mm (1+1), Spacers - 1,1.5 mm (3+3), Single gel casting stand (1 set), Metal clips (2), Plastic pouch (1 pk), Clamp & Screws (1 set) and Power cord (1).

Size: (lbh) 15 x 13 x 13 cm; 0.75 kg; Buffer : 100 + 100 mL;
*Recommended Power Pack - Analytical Model

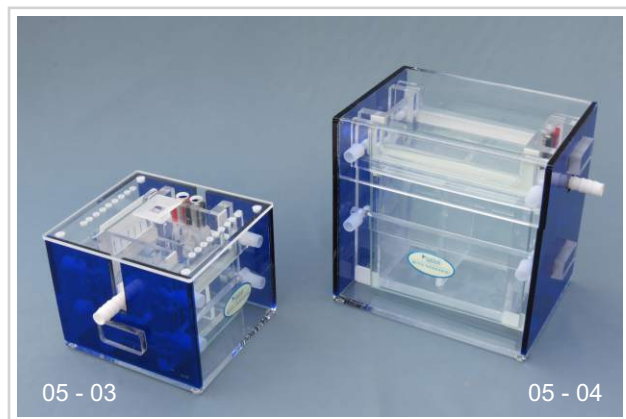


05-02

Regular Model - One 16x14 cm Gel

Basic unit with Platinum electrode assembly (2), Glass Plates - notched & rectangular (2 sets), 13 - Well Teflon comb - 1,1.5 mm (1+1), Spacers - 1,1.5 mm (3+3), Single gel casting stand (1 set), Metal clips (4), Plastic pouch (1 pk), Clamp & Screws (1 set) and Power cord (1).

Size: (lbh) 20 x 20 x 23 cm; 1.5 kg; Buffer : 250 + 250 mL;
*Recommended Power Pack - Analytical / Professional Model



05-03

Dual Model - Mini - Two 8x7 cm

Basic unit with Platinum electrode assembly (2), Glass Plates - notched & rectangular (2 sets), 7 - Well Teflon comb - 1 mm (2), Spacers, 1.0 mm (6), Dual gel casting stand (1 set), Metal clips (4), Plastic pouch (1 pk), Clamp & Screws (4 sets), Power cord (1) and Water circulation facility is available.

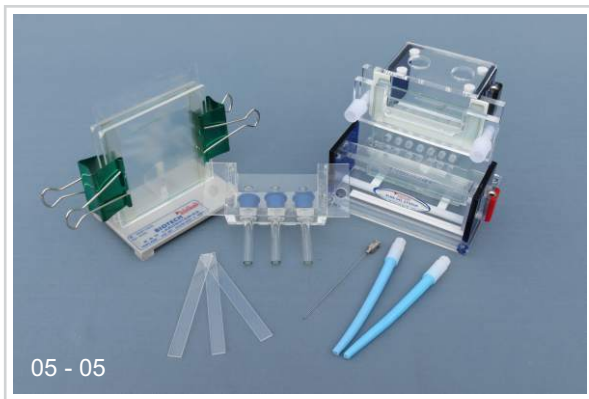
Size: (lbh) 16 x 16 x 13 cm; 1.5 kg; Buffer : 150 + 150 mL;
*Recommended Power Pack - Analytical / Professional Model

05-04

Dual Model - Regular- Two 16 x14 cm Gels

Basic unit with Platinum electrode assembly (2), Glass Plates - notched & rectangular (2 sets), 13 - Well Teflon comb, 1 mm (2), Spacers, 1.0 mm (6), Dual gel casting stand (1 set), Metal clips (4), Plastic pouch (1 pk), Clamp & Screws (4 sets), Power cord (1) and Water circulation facility is available.

Size: (lbh) 20 x 20 x 23 cm; 1.5 kg; Buffer : 250 + 250 mL;
*Recommended Power Pack - Magnum / Versatile Model



05 - 05

05-05

2D PAGE System, Mini for 8 x 7 cm Gel

Basic unit with Platinum electrode assembly (2), Glass Tubes – 3 mm id x 7.5 cm length (6 nos), Glass Plates – beveled notched plate and rectangular (2 sets) , Spacers , 1 mm (6 nos), Tube Gel Adaptor (1), Gel casting system(1 set), Metal clips (4 nos), Rubber Grommets - 3 mm (6 nos), Rubber Grommets without holes(6 nos), Long Needles (2 nos) and Power cord (1 set).

Size: (lbh) 15 x 13 x 13 cm; 0.75 kg; Buffer : 100 + 100 mL;

*Recommended Power Pack - Analytical / Professional Model

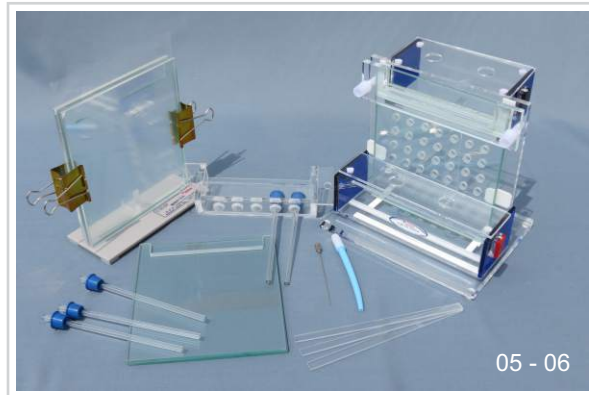
05-06

2D PAGE System, Regular for 16 x 14 cm Gel

Basic unit with Platinum electrode assembly (2), Glass Tubes – 3 mm id x 17 cm length (6 nos), Glass Plates – beveled notched plate and rectangular (2 sets), Spacers, 1 mm (6 nos), Tube Gel Adaptor (1), Gel casting system (1 set), Metal Clips (4 nos), Rubber Grommets - 3 mm (6 nos), Rubber Grommets without holes (6 nos), Long Needles (2 nos) and Power cord (1 set).

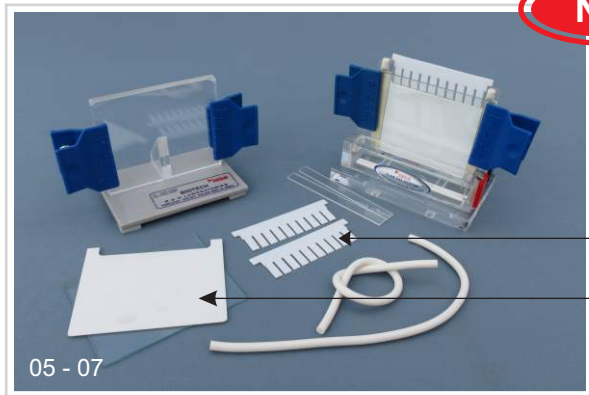
Size: (lbh) 20 x 20 x 23 cm; 1.5 kg; Buffer, 250 + 250 mL;

*Recommended Power Pack - Analytical / Magnum Model



05 - 06

New



05 - 07

05-07

New BABY Model - One 8 x 7 cm Gel

Basic unit with Platinum electrode assembly (2), Glass Plates - notched **Alumina** (1) & rectangular (2 sets), 10 - Well Teflon comb - 1.0 mm (2), Spacers - 1.0 mm (4), Plastic clips (2), Gel casting system (1 set), Plastic pouch (1 pk), and Power cord (1).

Size: (lbh) 11 x 5 x 11 cm; 0.25 kg; Buffer : 35 + 40 mL;

*Recommended Power Pack - Analytical Model

New

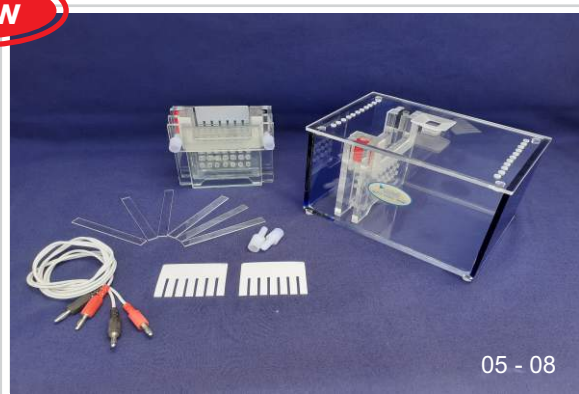
05-08

Mini Protein Tetra Model - Four 8x7 cm Gel

Basic unit with Platinum electrode assembly (4), Glass Plates - notched & rectangular (4 sets), 10 - Well Teflon Comb, 1 mm (4), Spacers (12), Dual gel casting stand (2 set), Metal Clips (8), Plastic pouch (2pk) Clamp & Screws (8 sets) and Power cord (2).

Size: (lbh) 20 x 16 x 13 cm; 2.5 kg; Buffer, 150 + 450 mL;

*Recommended Power Pack - Magnum / Versatile Model



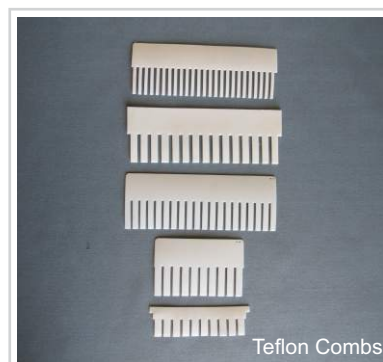
05 - 08

Accessories - extra

- 05-01-01 Glass Plates - notched & rectangular - 8x7 cm gel
- 05-01-02 Gel Casting Unit for **Single** Mini gel
- 05-01-03 Gel Casting Unit for **Dual** Mini gels
- 05-01-04 Teflon Combs - 0.5, 1.0, 1.5 mm (3/pk)
- 05-01-05 Teflon Spacers - 0.5, 1.0, 1.5 mm (9/pk)
- 05-01-06 Teflon Comb 7 - Wells, 0.5 mm
- 05-01-07 Teflon Comb 7 - Wells, 1.0 mm
- 05-01-08 Teflon Comb 7 - Wells, 1.5 mm
- 05-01-09 Teflon Comb 10 - Wells, 1.0 mm
- 05-01-10 Teflon Comb 10 - Wells, 1.5 mm
- 05-01-11 Teflon Spacers, 0.5 mm (6/pk)
- 05-01-12 Teflon Spacers, 1.0 mm (6/pk)
- 05-01-13 Teflon Spacers, 1.5 mm (6/pk)
- 05-01-14 Acrylic Clamp & Screws (1 set)
- 05-01-15 Acrylic spacers, 1.0 mm (6/pk)
- 05-01-16 Acrylic spacers, 1.5 mm (6/pk)
- 05-01-17 Metal Clips – Small
- 05-01-18 Metal Clips – Large
- 05-01-19 Nylon Screws (6/pk)
- 05-01-20 Gel Sealing Plastic Pouches
- 05-01-21 Gel Developing Tray



- 05-02-01 Glass Plates - notched & rectangular- 16x14 cm gel
- 05-02-02 Gel Casting Unit for **Single** Regular gel
- 05-02-03 Gel Casting Unit for **Dual** Regular gels
- 05-02-04 Gel Developing Tray with transparent base, gel holder
- 05-02-05 Gradient maker - cylindrical of total 50 ml capacity
- 05-02-06 Gradient maker - conical of total 50 ml capacity
- 05-02-07 Teflon Combs, 13 - Wells, 0.5, 1.0, 1.5 mm (3/pk)
- 05-02-08 Teflon Spacers 3 each of 0.5, 1.0, 1.5 mm (9/pk)
- 05-02-09 Teflon Comb 13 - Wells, 0.5 mm
- 05-02-10 Teflon Comb 13 - Wells, 1.0 mm
- 05-02-11 Teflon Comb 13 - Wells, 1.5 mm
- 05-02-12 Teflon Spacer, 0.5 mm (6/pk)
- 05-02-13 Teflon Spacer, 1.0 mm (6/pk)
- 05-02-14 Teflon Spacer, 1.5 mm (6/pk)
- 05-02-15 Acrylic Spacers, 1.0 mm (6/pk)
- 05-02-16 Acrylic Spacers, 1.5 mm (6/pk)
- 05-02-17 Gel Sealing Pouches (50/pk)



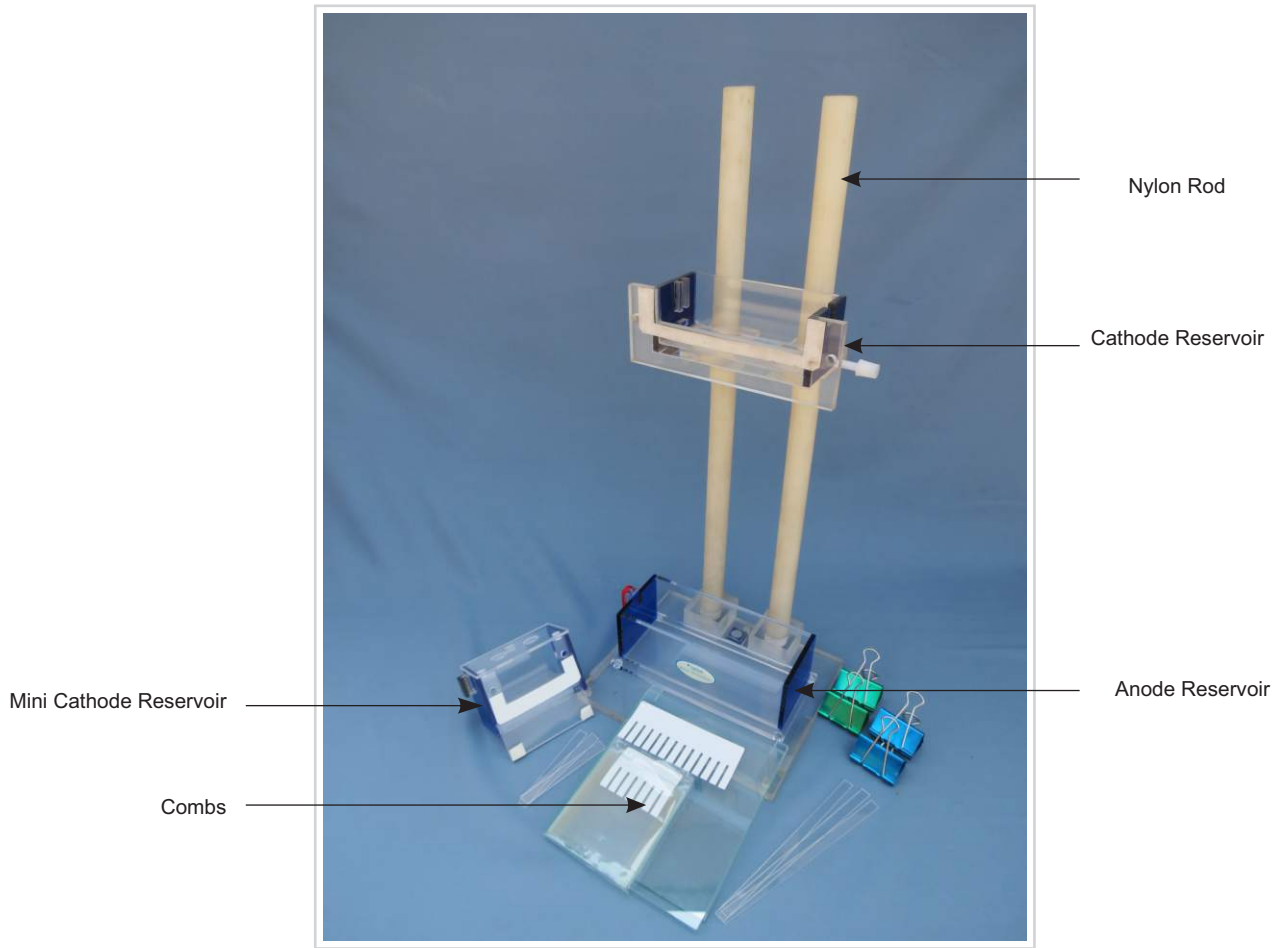
Note: 05-02- Accessories are suitable for 05-04 systems

- 05-05-01 Glass plates for Mini 2D PAGE, Beveled
- 05-05-02 Glass tubes, 3.0 mm diameter
- 05-05-03 Tube Gel Adaptor
- 05-05-04 Rubber grommets, with holes (6/pk)
- 05-05-05 Rubber grommets, without holes (6/pk)
- 05-06-01 Glass plates for Regular 2D PAGE, Beveled
- 05-06-02 Glass tubes, 3.0 mm diameter
- 05-06-03 Tube Gel Adaptor
- 05-06-04 Rubber grommets, with holes (6/pk)
- 05-06-05 Rubber grommets, without holes (6/pk)
- 05-06-06 Long needles (2/pk)

- 05-07-01 Alumina notched plate
- 05-07-02 Rectangular glass plate (5/pk)
- 05-07-03 Plastic clips (4/pk)
- 05-07-04 Silicone sponge rubber gasket (2/pk)
- 05-07-05 10 - Well Comb, 1.0 mm
- 05-07-06 Spacers, 1.0 mm (6/pk)

* We also take customisable orders with various specifications

BIOTECH YERCAUD
SEQUENCING GEL SYSTEM



PolyAcrylamide Gel Electrophoresis (PAGE) is widely used for Proteins as well as nucleic acids samples. The variable gel apparatus can be conveniently used to perform a variety of jobs in a number of single apparatus. Different size of gels, from mini to long gels are used depending on the fragments to be resolved. Mini gels are generally used for separating about 25 bands whereas, long gels are employed to resolve up to about 500 bands. In sequencing, to maintain uniformity in gel temperature, aluminum back plate is attached.

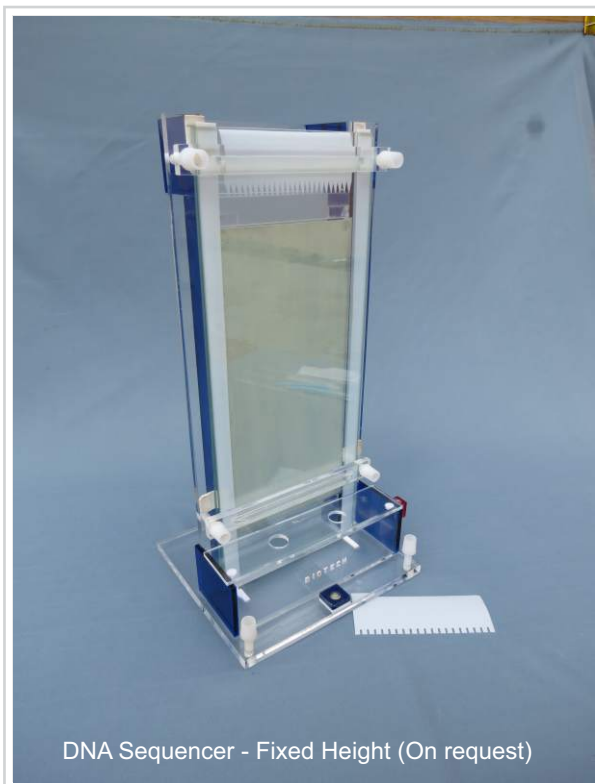


06-03

Slab Gel System - Variable Model (size & thickness)

Basic unit with Platinum electrode assembly - fixed to anode & cathode reservoirs (3), Basal acrylic plate (1), nylon rods (2), Common anode reservoir (1), Regular cathode reservoir (1), Mini cathode reservoir (1), Sliding sheet (1), Glass plates - notched & rectangular : 8x7 cm, 8x16 cm, 8x14 cm, 16x14cm, 32x14 cm (one set each), Teflon combs : Mini-0.5,1.0,1.5 mm (one each); Regular, 0.5,1.0,1.5 mm (one each), Spacers: Mini-0.5,1.0,1.5 mm (3 each); Regular, 0.5,1.0,1.5 mm (3 each), Acrylic clamp & screws - Mini (1set), Regular (1 set) Metal clips (4) and Power cord (1).

Size (lbh) : 20 x 20 x 50 cm; 2.5 kg; Buffer : 250 + 250 mL;
*Recommended Power Pack - Versatile Model



Accessories - Extra

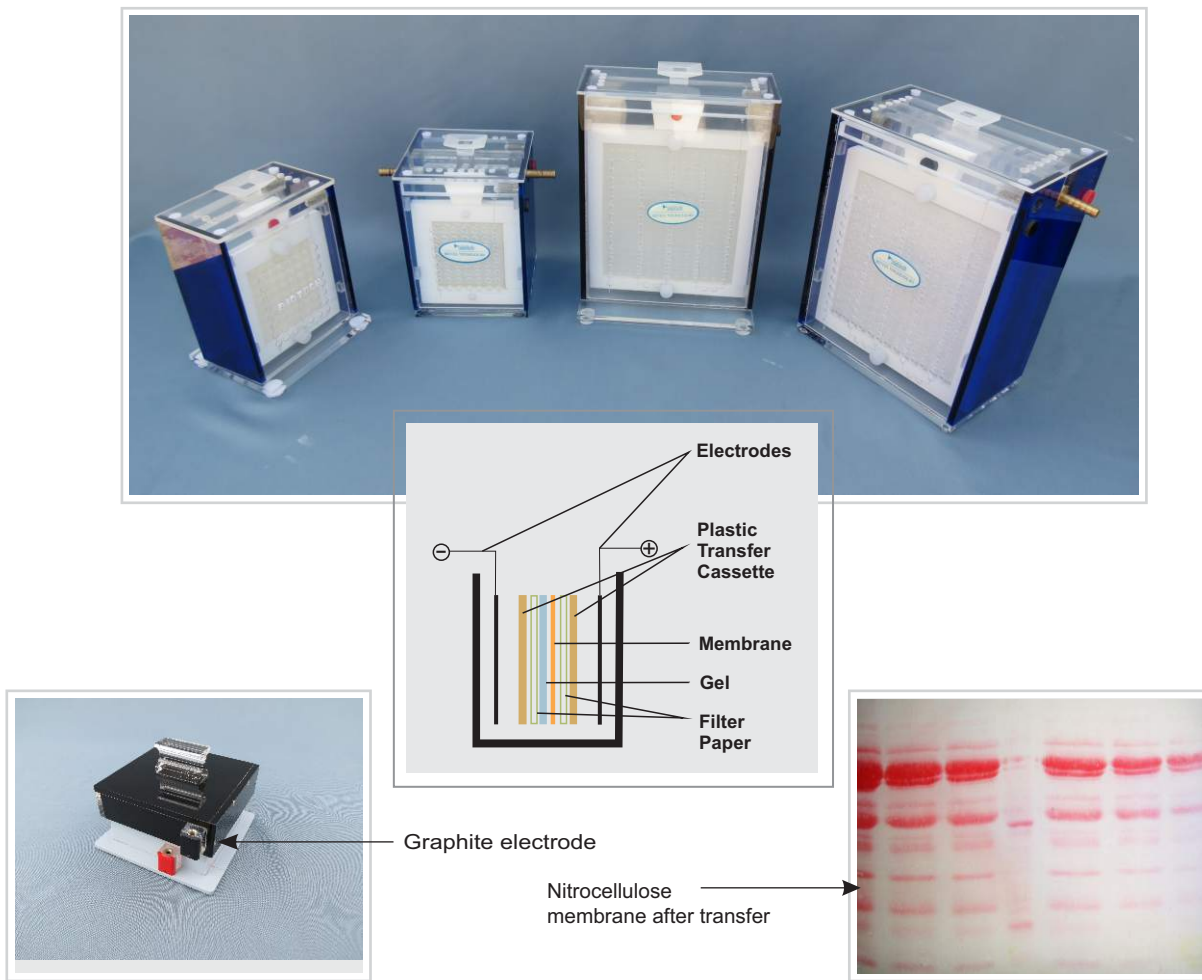
- 06-03-01 Glass plates - notched & rectangular- 20x41 cm gel
- 06-03-02 Teflon Comb - rectangular wells - 0.5 mm
- 06-03-03 Teflon Comb - Shark tooth - 0.5 mm
- 06-03-04 Teflon Spacers - 0.5 mm (4/pk)

(For mini / regular gel accessories, please refer to Vertical Slab Gel System's accessories)

* We also take customisable orders with various specifications

BIOTECH YERCAUD

ELECTRO TRANSFER (BLOTTING) SYSTEMS



BIOTECH YERCAUD manufactures 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.

We also manufacture '**Semi Dry**' blotters to save buffer. Blotting is rapid and efficient too. They are available in mini and regular sizes. Graphite electrodes are used, hence economical.

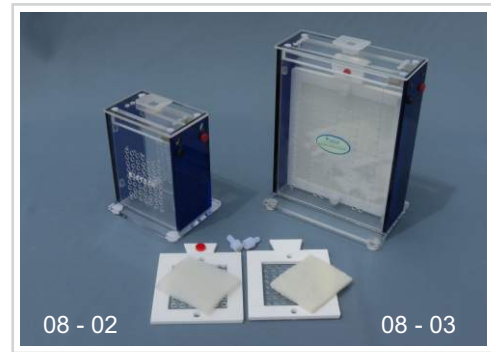


08-02

Bioblot - Mini SINGLE- Gel cassettes – One 8x7 cm Gel

Basic unit with Platinum electrode cells (2), Gel Cassettee (1), Scotch Brite Pads (1/pk), Cushion Pads (2/pk) and Power cord(1).

Size:15 x 11.5 x 7 cm; 0.75.0 kg; Buffer – 750 mL;
*Recommended Power Pack - Hi-Current Model



08-03

Bioblot - Mini DUAL - Gel cassettes – Two, 8x7 cm Gel

Basic unit with Platinum electrode cells (2), Gel Cassettee(2), Scotch Brite Pads (1/pk), Cushion Pads (2/pk), Heat Exchanger and Power cord(1).

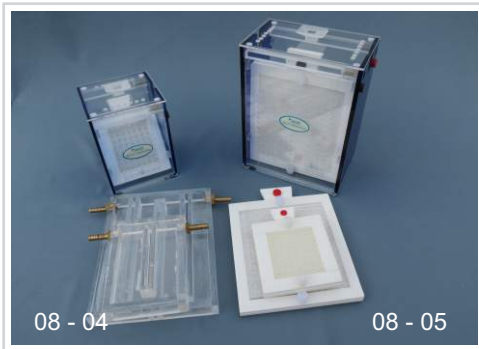
Size:13 x 11.5 x 15 cm; 1.5.0 kg; Buffer – 1.50 L;
*Recommended Power Pack - Hi-Current Model

08-04

Bioblot - Regular SINGLE - Gel cassettes – One 16 x 14 cm Gel

Basic unit with Platinum electrode cells (2), Gel Cassettee(1), Scotch Brite Pads (1/pk), Cushion Pads (2/pk) and Power cord(1).

Size:17 x 7 x 23 cm; 1.5 kg; Buffer – 2. L;
*Recommended Power Pack - Hi-Current Model



08-05

Bioblot - Regular DUAL - Gel cassettes – Two 16 x 14 cm Gel

Basic unit with Platinum electrode cells (2), Gel cassettes (2), Scotch Brite Pads (1/pk), Cushion Pads (2/pk) heat exchanger and Power cord(1).

Size:17 x 11.5 x 23 cm; 2.0 kg; Buffer – 2.5. L;
*Recommended Power Pack - Hi-Current Model

08-06

Bioblot - Semi Dry, 10 x 10 cm with Graphite electrodes

Basic unit with Graphite electrode assembly (2), non-conducting masking sheets (2) and Power cord (1).

Size: 11 x 11 x 8 cm; 0.75 kg; Buffer – 50 mL;
*Recommended Power Pack - Hi-Current Model

08-07

Bioblot -Semi Dry, 20 x 20 cm with Graphite electrodes

Basic unit with Graphite electrode assembly (2), non-conducting masking sheets (2) and Power cord (1).

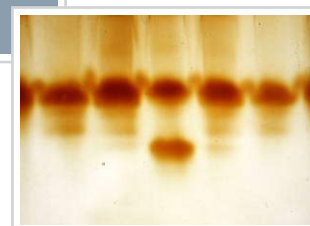
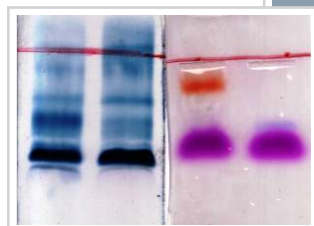
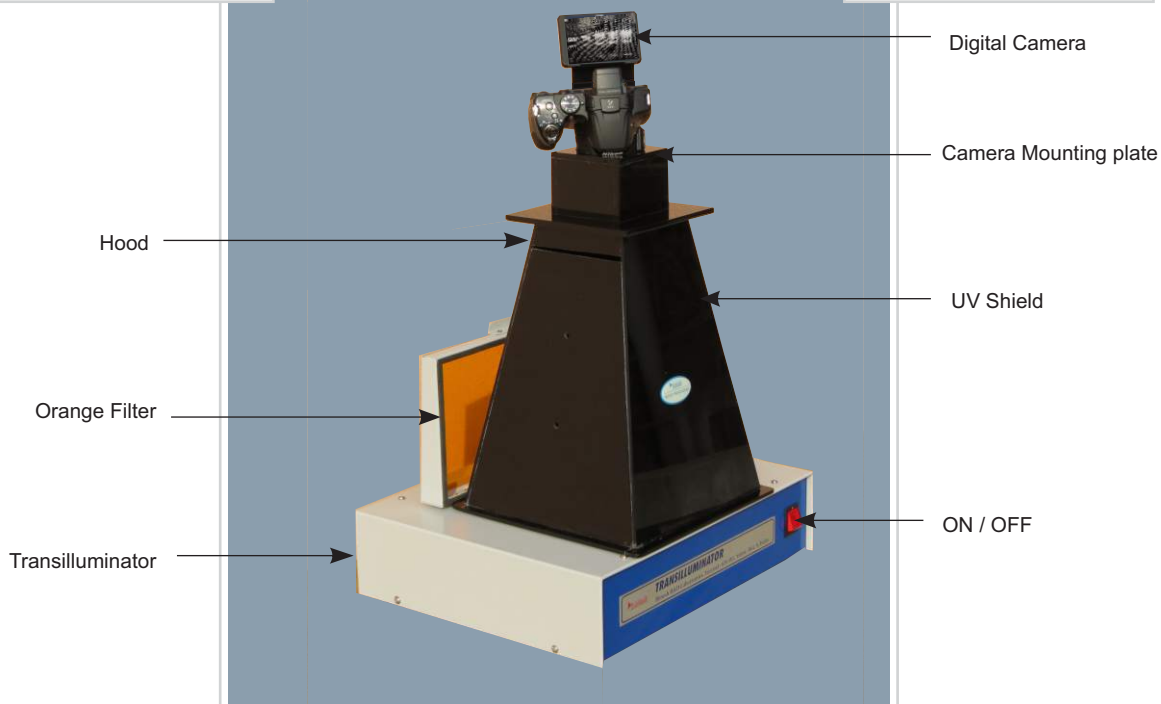
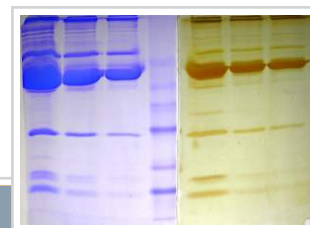
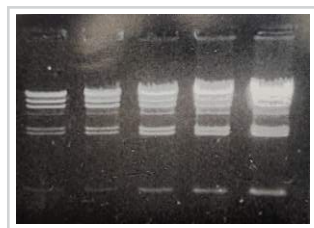
Size: 22 x22 x 8 cm; 1.5 kg; Buffer – 75 mL;
*Recommended Power Pack - Hi-Current Model



Accessories - Extra

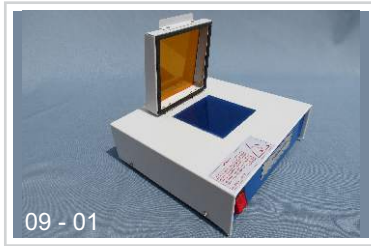
- 08-02-01 Scotch Brite pads, 8x7 cm (6/pk)
- 08-02-02 Cushion pads (12/pk)
- 08-04-01 Scotch Brite pads 16x14 cm gel (6/pk)
- 08-04-02 Cushion pads, 16x14 cm gel (12/pk)

BIOTECH YERCAUD TRANSILLUMINATORS



BIOTECH YERCAUD manufactures a wide of 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 sturdy metal boxes. Hot & stinky air generated during operation is removed by exhaust fan.

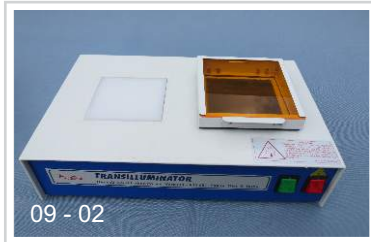




09-01

School Boy UV Transilluminator : View – 10 x 10 cm

Basic system with Satebeam filter, High range-360 nm, Four x 4W UV lamps, air cooling fan, orange UV blocking shield.



09-02

School Boy, Combined Tansilluminator : View – 10 x 10 cm

Basic system with Satebeam filter, High range-360 nm, Four x 4W UV lamps, cool day light, cooling fan, orange UV blocking shield.

09-03
College Model UV Transilluminator : View – 25 x 13 cm

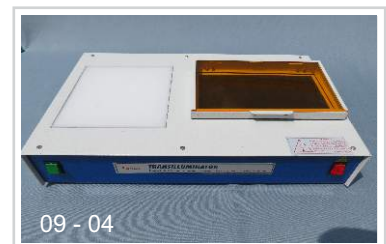
Basic system with Satebeam filter, High range-360 nm, Four x 8W UV lamps, air cooling fan, orange UV blocking shield.



09-04

**College Model Combined Tansilluminator :
View – 25 x 13 & 20 x 20 cm**

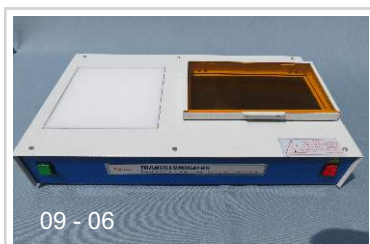
Basic system with Satebeam filter, High range-360 nm, Four x 8W UV lamps, cool day light by LED, cooling fan, orange UV blocking shield.



09-05

UV Transilluminator Large : View – 20 x 20 cm

Basic system with 20x20 cm viewing area, Sate beam filter, High range 360 nm UV source, Eight x 8W tubes, air cooling fan and orange UV blocking shield.



09-06

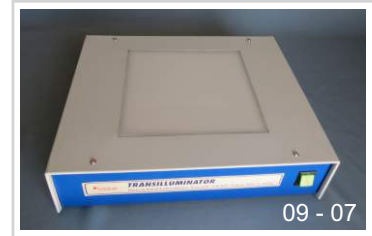
**UV Transilluminator Large Combined :
View - 20 x 20 cm, & 20 x 20 cm**

Basic system with Sate beam filter, High range 360nm UV source, Eight x 8W tubes, cool day light by LED, air cooling fan and orange UV blocking shield.

09-07

White Light Transilluminator : View – 20 x 20 cm

White light viewing area - 20x20 cm, White light by LED source.



09-08 A

Hand held UV Torch – Indian UV filter

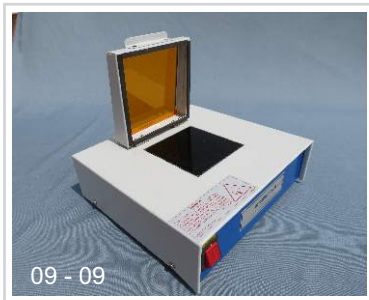
Two x 4W mid range 360 nm UV lamps.



09-08 B

Hand held UV Torch – Advanced, Imported UV filter

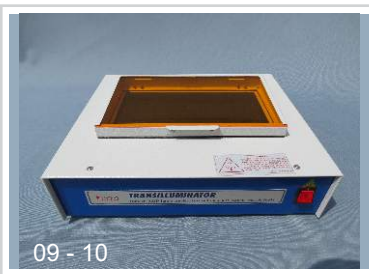
Two x 6W mid range 312 nm UV lamps.



09-09

Advanced Model UV Transilluminator, MINI : View – 10 x 10 cm

Basic system with imported UV filter, Mid range UV source - 312 nm, Four x 4W tubes, air cooling fan and orange UV blocking shield.



09-10

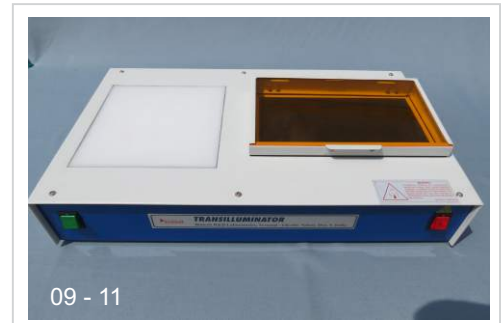
Advanced Model UV Transilluminator, Standard : View – 20 x 20 cm

Basic system with imported UV filter, Mid range UV source - 312 nm, Eight x 8W tubes, air cooling fan and orange UV blocking shield.

09- 11

**Advanced Model UV Transilluminator Combined
View – 20 x 20 cm**

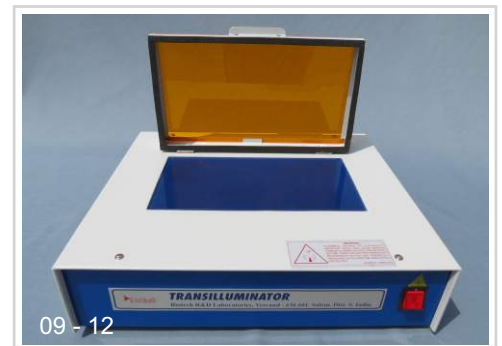
Basic system with imported UV filter, Mid range UV source - 312 nm, Eight x 8W tubes, cool white light by LED, air cooling fan and orange UV blocking shield.

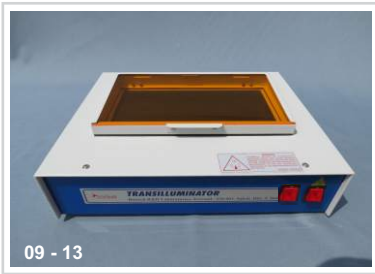


09-12

**UV Transilluminator Model - Extra Large
View – 31 x 26 cm**

Basic system with Sate beam filter, High range UV source - 360 nm, Eight x 8W tubes, air cooling fan and orange UV blocking shield.



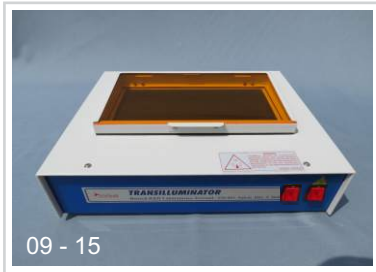
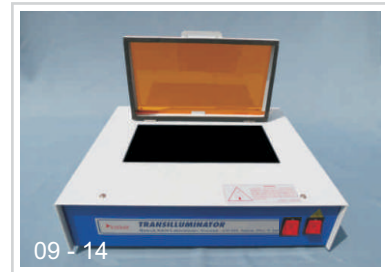


09-13
Advanced Model UV Transilluminator (Dual)
View – 20 x 20 cm

Basic system with imported UV filter, Mid range UV source (312 nm) and High range UV source (365 nm), Eight (4+4) x 8W tubes, air cooling fan and orange UV blocking shield.

09-14
Research Model UV Transilluminator (Dual)
View – 20 x 20 cm

Basic system with imported UV filter, Low range UV source (254 nm) and Mid range UV source (312 nm), Eight (4+4) x 8W tubes, air cooling fan and orange UV blocking shield.



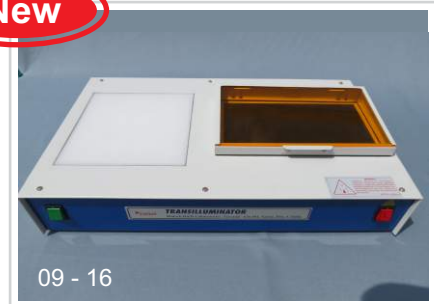
09-15
Ultra Model UV Transilluminator (Dual) : View – 20 x 20 cm

Basic system with imported UV filter, Low-range UV source (265 nm) and High-range UV source (365 nm), Eight(4+4) x 8W tubes, air cooling fan and orange UV blocking shield.

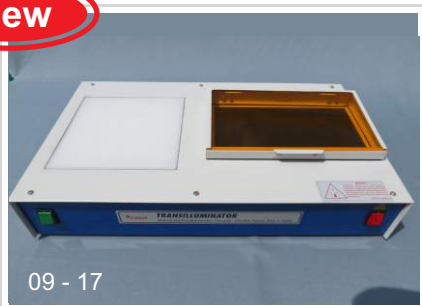
09-16
Advanced Model UV Transilluminator (Dual) Combined
View – 20 x 20cm

Basic system with imported UV filter, Mid range UV source (312 nm) and High range UV source (365 nm), Eight(4+4) x 8W tubes, air cooling fan, cool white light by LED and orange UV blocking shield.

New



New



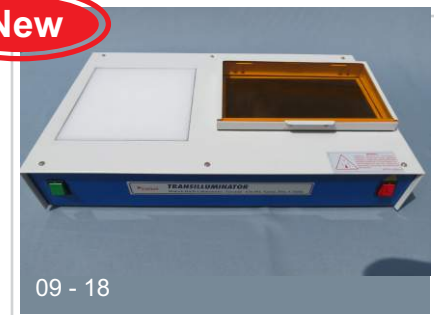
09-17
Research Model UV Transilluminator (Dual) Combined
View – 20 x 20cm

Basic system with imported UV filter, Low range UV source (254 nm) and Mid range UV source (312 nm), Eight(4+4) x 8W tubes, air cooling fan, cool white light by LED and orange UV blocking shield.

New

09-18
Research Model UV Transilluminator (Dual) Combined
View – 20x20cm

Basic system with imported UV filter, Low range UV source (254 nm) and High range UV source (365 nm), Eight(4+4) x 8W tubes, air cooling fan, cool white light by LED and orange UV blocking shield.



BIOTECH YERCAUD POWER PACKS



BIOTECH YERCAUD manufactures wide range of power packs for electrophoresis. Stabilized voltage / current output, sturdy cabinet, elegant color; overload / short-circuit protection & long standing performance are the salient features. Their upright designs occupy small foot area on working table.

Economy model minipack; Analytical model to perform all kinds of low voltage techniques; Versatile model and Hi-Current power packs are specially manufactured to cater all demands of low / high intensity blotting techniques.





10-02

10-02

Mini pack

Output: 50, 100, 150, 200, 250 V DC

Size (lbh) : 17 x 9.5 x 8 cm; 1.5 kg; 220-230 VAC;
 Operation - Fixed Constant Voltages

10-03

Analytical Model

Output: 0-300 VDC; 0-100 mA; Overload / short-circuit;
 automatic cross-over and timer

No. of Output Terminals - Two pairs of output terminals connected in parallel

Size (lbh) : 13 x 17.5 x 24 cm; 3 kg; 220-230VAC

Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load



10-03



10-04

10-04

Versatile Model

Output Volt : 0-500 V ; Current 0-500 mA

No. of Output Terminals - Four pairs of output terminals connected in parallel

Size (lbh) : 18 x 32.5 x 25 cm; 7.5 kg; 220-230VAC

Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load

10-05
Hi-Current Model - for low intensity Blotting
 Output Volt : 0-60 V ; Current 0-3 A

No. of Output Terminals - Two pairs of output terminals connected in parallel
 Size (lbh) : 17.5 x 28.x 25cm; 8.5 kg; 220-230VAC
 Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load



10-05

New



10-06

10-06
Professional Model

Output: 0-300 VDC; 0-200 mA; Overload / short-circuit;
 automatic cross-over and timer

No. of Output Terminals - Four pairs of output terminals connected in parallel
 Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load

New

10-07
Magnum Model

Output: 0-300 VDC; 0-400 mA; Overload / short-circuit;
 automatic cross-over and timer

No. of Output Terminals - Four pairs of output terminals connected in parallel
 Operation - Variable Constant Voltages / Current ; Safety - Short - Circuit / Over Load



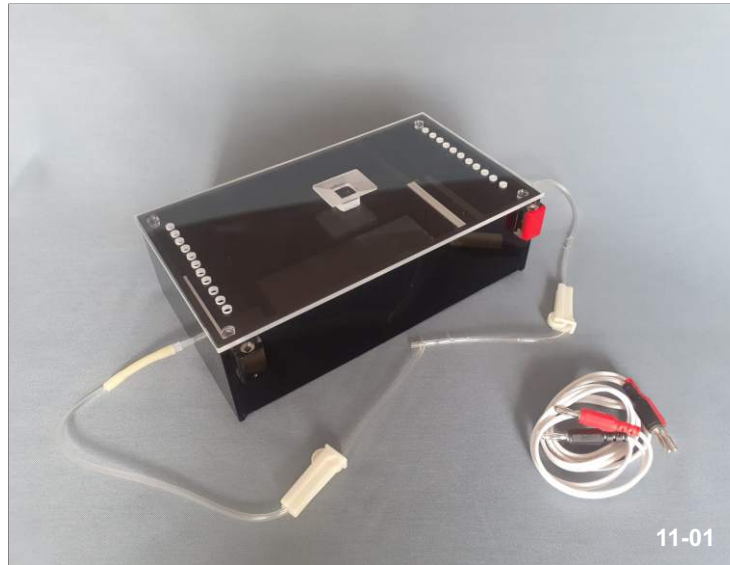
10-07

Accessories – Extra

- 10-01-01 Power cord (1set)
- 10-01-02 Power cord – imported model

BIOTECH YERCAUD

COMET ASSAY (*SINGLE CELL*) ELECTROPHORESIS SYSTEM



Comet assay or single cell gel electrophoresis assay is a powerful technique for quantifying DNA damage and repair in eukaryotic cells and some prokaryotic cells. This technique uses cells that are embedded into agarose, placed on a slide, which is then immersed in lysis solution. After the cells are lysed, DNA is denatured and run through electrophoresis. The resulting image obtained resembles a comet that includes a distinct head and tail. The head of the comet is composed of intact DNA and the tail consists of the DNA damage.

BIOTECH YERCAUD offers a complete system to run a traditional comet assay. The system has been devoted to achieve maximum efficiency in terms of low buffer consumption, fast run and better separation.

11-01

Comet Assay: 10 Gel Slides

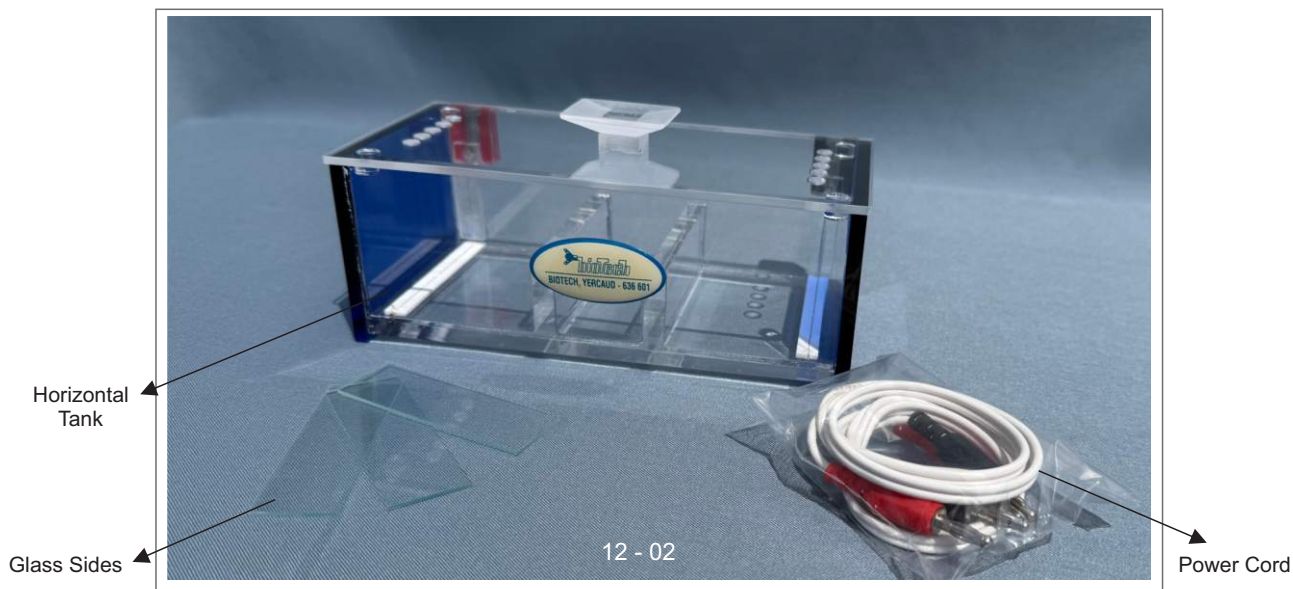
Basic unit with Platinum electrode assembly (2),
Slide area: 14 x 15 cm; can run upto 10 gel slides;
easy buffer removal mechanism and Power cord (1).

Size (lbh): 27.5 x 15.5 x 7 cm; Buffer – 700 mL;

*Recommended Power Pack - Analytical Model



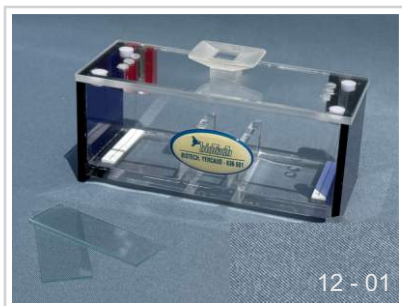
HORIZONTAL (SLIDE) GEL ELECTROPHORESIS SYSTEMS



Horizontal (Slide) Gel Electrophoresis is used to separate large proteins and protein complexes based on size. This gel electrophoresis technique is run horizontally in agarose gel slides. Paper wick connectivity is necessary for gel-buffer contact.

Biotech Yercaud manufactures different models of horizontal slide gel systems of different sizes.





12-01

Slide Gel System - Baby (2 slides)

Basic unit with Platinum electrode assembly (2),
Glass Slides (2) and Power cord (1).

Size (lbh): 13 x 6 x 6 cm; 0.3 kg; Buffer – 25 + 25 mL;

*Recommended Power Pack - Mini Model

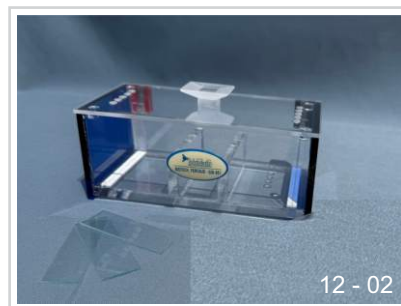
12-02

Slide Gel System - Mini (3 slides)

Basic unit with Platinum electrode assembly (2),
Glass Slides (3) and Power cord (1).

Size (lbh): 13 x 8 x 6 cm; 0.5 kg; Buffer – 50 + 50 mL;

*Recommended Power Pack - Mini Model



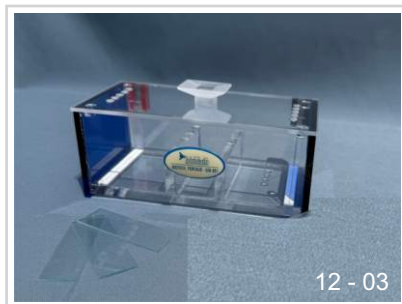
12-03

Slide Gel System - Large (5 slides)

Basic unit with Platinum electrode assembly (2),
Glass Slides (5) and Power cord (1).

Size (lbh) 13 x 15 x 6 cm; 0.75 kg; Buffer – 100 +100 mL;

*Recommended Power Pack - Analytical Model



BIOTECH YERCAUD
GEL DOCUMENTATION SYSTEMS



BIOTECH YERCAUD has introduced a new Gel Documentation System with wide front door ; slide-in/out tray for easy handling of gels ; imported UV filter ; high intensity UV source (mid range) ; latest digital camera; cool white LED for high performance & advanced software for efficient analysis. They are housed in an ergonomically designed sturdy metal boxes. Simplicity of operation, spares availability, prompt service and at affordable prices make them unique.





Digital Camera

13-01-03

Gel Documentation - Basic Model

Includes high quality 16 mega pixel digital camera; compact and spacious dark room ; wide shutter for convenience ; Transilluminator with 20 x 20 cm view area ; imported UV filter ; 8 x 8W mid range (302 nm) UV lamps;cooling fan; sliding tray for easy handling of gel; UV shield; foldable white light(LED) illuminator with 20 x 20 cm view area.

Size, (lbh): 40 x 39 x 40 cm; weight – 21 kg; 220/230 V AC

New



Sliding Tray

13-01-04 (CMOS) & 13-01-05 (CCD) Gel Documentation - Advanced Model

Includes high quality scientific CCD / digital camera; live image capture - camera can be controlled from PC ; live shooting from PC can be controlled; compact and spacious dark room ; wide shutter convenience; UV Transilluminator with 20x20 cm view area ; imported UV filter ; 8 x 8W mid range(302 nm) UV lamps; cooling fan; sliding tray for easy handling of gel; UV shield; foldable White Light (LED) illuminator with 20x20 cm view area; Epi White illuminator(20x20 cm)

Size, (lbh): 40 x 39 x 40 cm; Weight – 21 kg; 220/230 V AC

New



Foldable White LED illuminator

13-02-01

1D Gel Analysis software-Basic

Image acquisition, crop, brightness, contrast, auto & manual lane forming, band detection, Rf, MW, BP determination, densitometry, quantitative analysis, report generation and presentation (Fig.1 & 2)

13-02-02

1D Gel Analysis software- Advanced

Same as above plus Dendrogram analysis; Phylogenetic Tree; UPGMA linkage, Jaccard & Dice methods;similarity & dissimilarity analysis (Fig.1, 2 & 3)

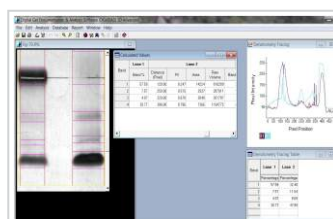


Fig. 1

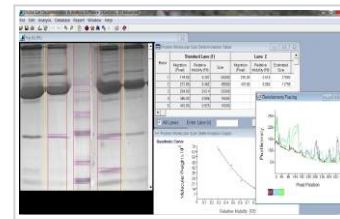
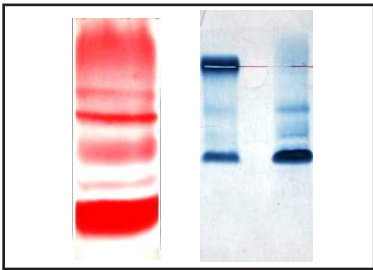


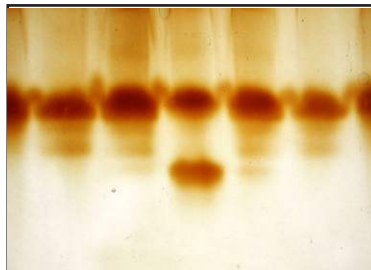
Fig. 2

RESULTS AT A GLANCE...

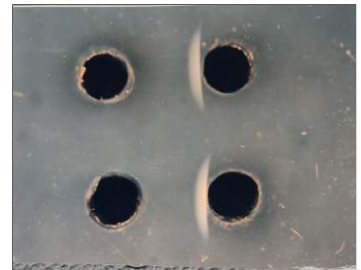
Serum Protein Electrophoresis in Cellulose acetate / Agarose gels



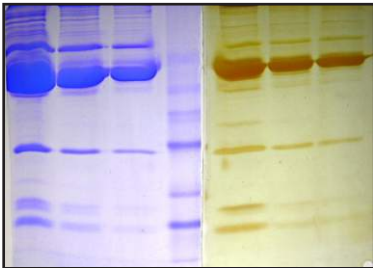
Peroxidase assay in PAGE



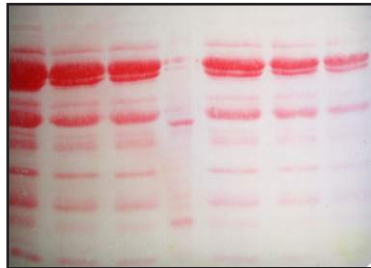
Counter Immuno Electrophoresis



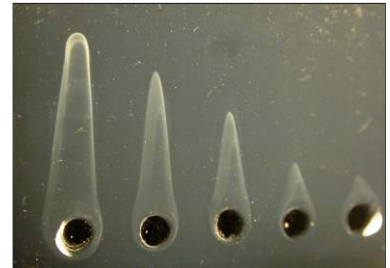
PAGE



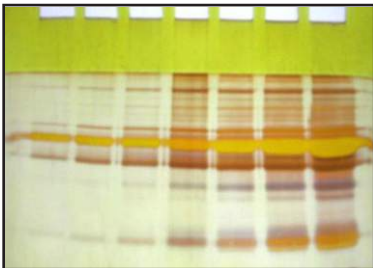
Blotting on NCP



Rocket Electrophoresis



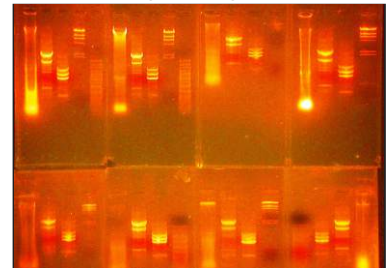
Silver Staining



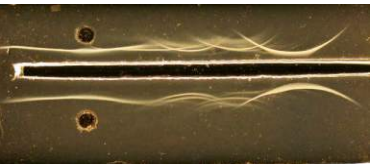
2D PAGE - a Model



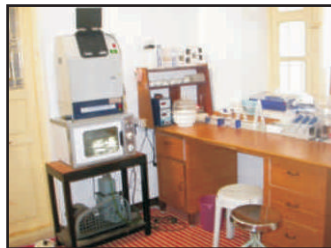
DNA Fragment separation in Agarose gels



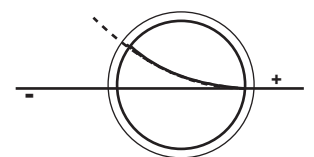
William Graber's Technique



LABORATORY WITH ADEQUATE FACILITIES



Program assesments & honoring



PAPER ELECTROPHORESIS SYSTEMS



Vertical Models

Small : 3 strips / 5 slides (01-01)

Large : 6 strips / 12 slides (01-02)

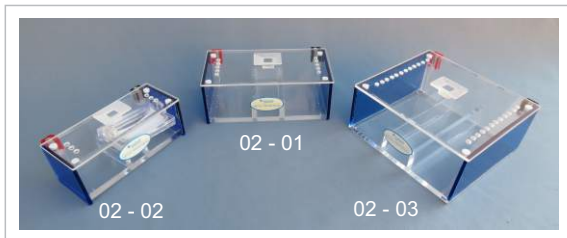
Horizontal Models

6 strips / 8 slides (01-03)

Membrane Systems

Mini: 2 strips / 2 slides (01-04)

Large: 2 strips / 2 slides (01-05)

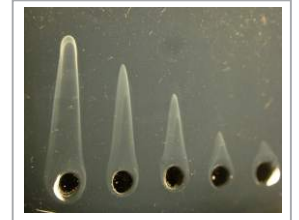
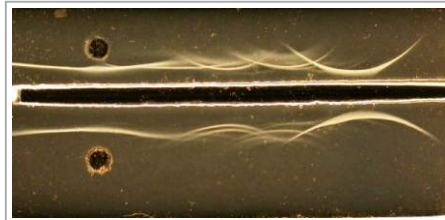
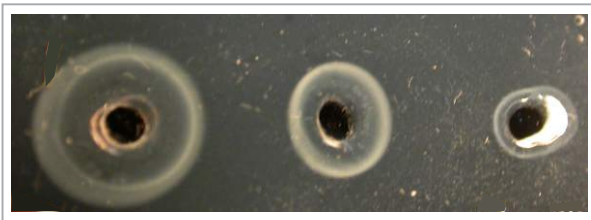


IMMUNO MODELS

Baby : 2 strips / 2 slides (02-01)

Mini : 3 strips / 3 slides (02-02)

Large : 5 strips / 5 slides (02-03)



SUBMARINE / AGAROSE GEL SYSTEMS



Baby : 7 x 4 cm gel (03-01)

Mini : 10 x 7 ; 5 x 7 cm gels (03-02)

Analytical : 13 x 13 ; 6 x 6 cm gels (03-03)

Preparative : 25 x 13 cm gel (03-04)

MAXI : 20 x 25 cm gel (03-05)

MAXI : 20 x 25 cm gel with water circulation (03-05B)



TUBE / ROD GEL SYSTEMS

RECTANGULAR MODELS

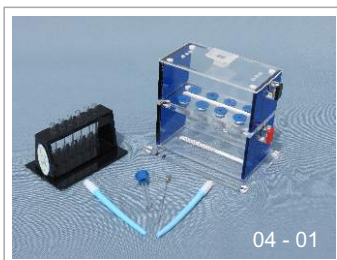
Small : 8 tubes (04-01)

Large : 12 tubes (04-02)

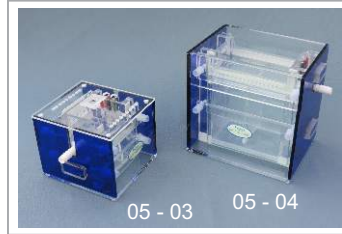
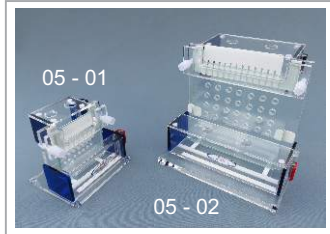
CIRCULAR MODELS

Small : 8 tubes (04-03)

Large : 12 tubes (04-04)



VERTICAL SLAB GEL SYSTEMS (SDS - PAGE)



Mini : 8 x 7 cm gel (05-01)

Regular : 16 x 14 cm gel (05-02)

Mini DUAL : Two 8 x 7 cm gels (05-03)

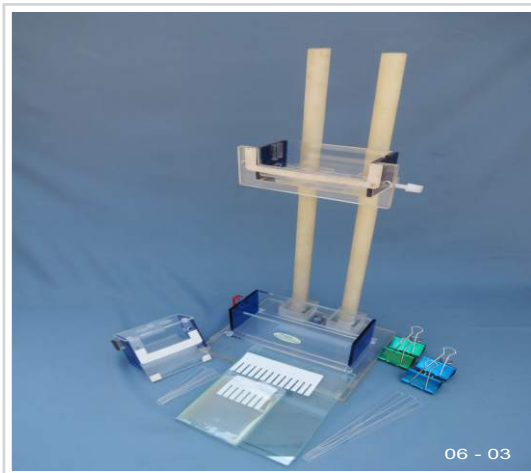
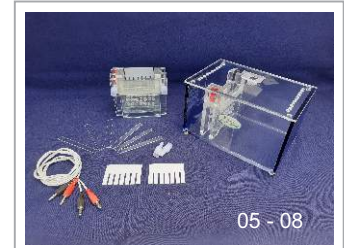
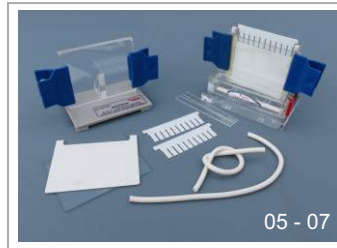
Regular DUAL : Two 16 x 14 cm gels (05-04)

2D Gel Mini : Two 8 x 7 cm gels (05-05)

2D Gel Regular : Two 16 x 14 cm gels (05-06)

Baby : 10.1 x 8.3 cm gel (05-07)

Mini Tetra : Four 8 x 7 cm gels (05-08)



SEQUENCING GEL SYSTEM

Slab Gel System : Variable Model (06-03)

ELECTRO TRANSFER (BLOTTING) SYSTEMS

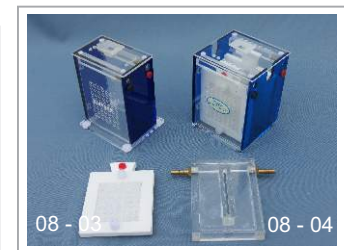
TANK (WET) BLOTTING SYSTEMS :

Mini : 8 x 7 cm gel (08-02)

Mini DUAL : Two 8 x 7 cm gels (08-03)

Regular : 16 x 14 cm gel (08-04)

Regular DUAL : Two 16 x 14 cm gels (08-05)

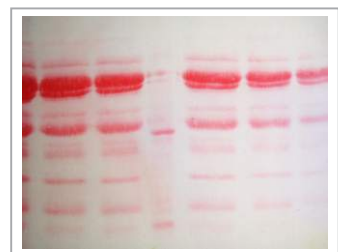
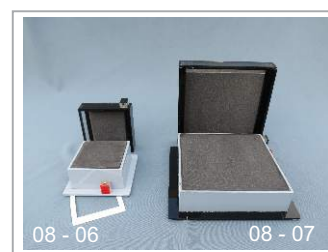


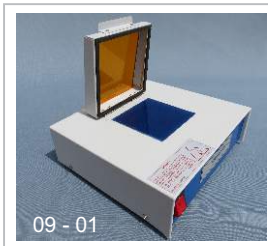
SEMI DRY BLOTTING SYSTEMS :

(Graphite Electrodes)

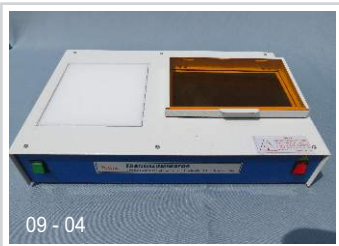
Mini : 10 x 10 cm gel (08-06)

Regular : 20 x 20 cm gel (08-07)





09 - 01



09 - 04

UV TRANSILLUMINATORS

SCHOOL BOY: View - 10x10 cm, 4W x 4 nos, UV 360 nm (09-01)

COMBINED: View - 10x10 cm, 4W x 4 nos, UV 360 nm, LED Light (09-02)

COLLEGE: View - 25x13 cm, 8W x 4 nos, UV 360 nm (09-03)

COMBINED: View - 25x13 cm, 8W x 4 nos, UV 360 nm, LED Light (09-04)

LARGE: View - 20x20 cm, 8W x 8 nos, UV 360 nm (09-05)

COMBINED: View - 20x20 cm, 8W x 8 nos, UV 360 nm, LED Light (09-06)

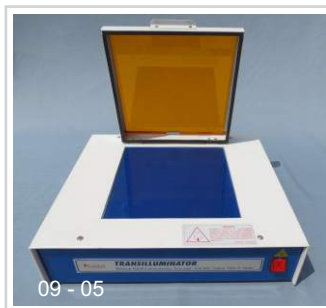
WHITE LIGHT: View - 20x20 cm, LED Light (09-07)

UV TORCH: 360 or 312 nm, 4W x 2 nos (09-08A & 09-08B)

ADVANCED MINI: View - 10x10 cm, 6W x 4 nos, UV 312 nm (09-09)

ADVANCED: View - 20x20 cm, 8W x 8 nos, UV 312 nm (09-10)

COMBINED: View - 20x20 cm, 8W x 8 nos, UV 312 nm, LED Light (09-11)



09 - 05



09 - 08

ELECTROPHORESIS POWERPACKS

Mini Pack : 50,100,150,200,250V; 100 mA (10-02)

Analytical : 0-300 V, 100 mA (10-03)

Versatile : 0-500 V, 500 mA (10-04)

Professional : 0-300 V, 200 mA (10-06)

Magnum : 0-300 V, 400 mA (10-07)

For Blotting:

Hi-Current : 0-60 V, 3 A (10-05)



10-06

10-07



10-03

10-04

10-05

10-02



12-02

SLIDE GEL SYSTEM

2 Slides (12-01)

3 Slides (12-02)

5 Slides (12-03)

COMET ASSAY (SINGLE CELL) SYSTEM

10 Gel Slides
(11-01)



11 - 01

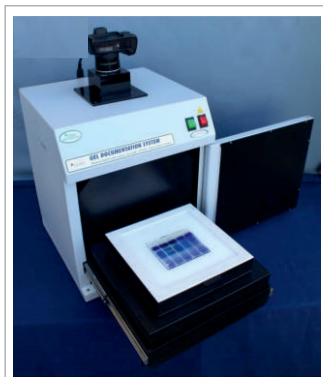
IMAGING & GEL DOCUMENTATION

Gel Documentation(13-01-03, 13-01-04, 13-01-05)

Includes high quality scientific CCD or CMOS digital camera; live image capture - PC controlled camera; dark room cabinet, wide shutter door, sliding gel tray; UV Transilluminator with 20 x 20 cm view area; imported UV filter; 8 x 8W mid range(302 nm) UV lamps; cooling fan; UV Shield, Trans-White and Epi-White.

1D Gel Analysis Software

Image acquisition and correction, auto & manual lane forming, band detection, Rf, MW, densitometry, BP determination, Quantitative / Dendrogram analysis, Phylogenetic tree and report generation.



The Electrophoresis Institute

(Biotech - Yercaud)



The Electrophoresis Institute – and the 1st summer program - Inauguration,



The Electrophoresis Institute – Yesterday and Today..



- Devoted to Electrophoresis Techniques, since 1998
- Short-term Training program
- Summer / winter courses
- Research & Developmental facilities
- Projects & consultations on Electrophoresis techniques

Milestones in the Institute activities - summer, short-term training programs ...



1st Batch, 1999



25th Batch, 2003



50th Batch, 2005



75th Batch, 2008



Biotech R & D Laboratories

Yercaud - 636 601 - Tamil Nadu

Ph: 94432 22480

biotechyercaud@gmail.com



85th Batch - 2011