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ELECTROPHORESIS CELL

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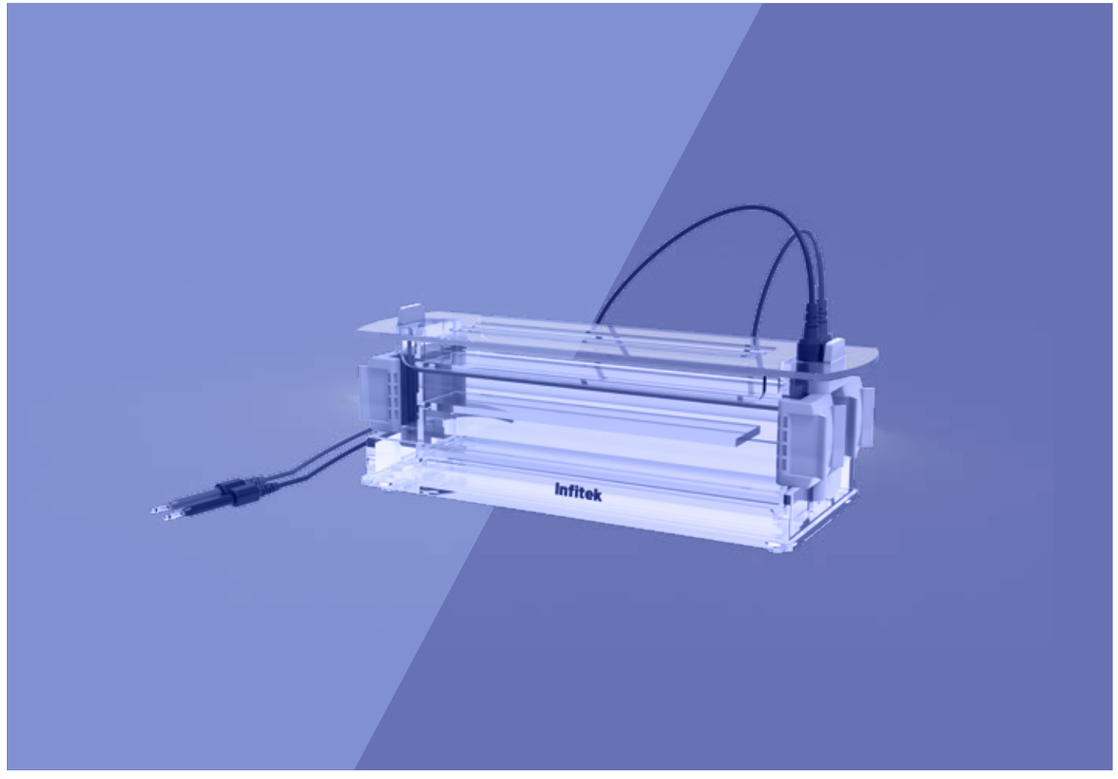
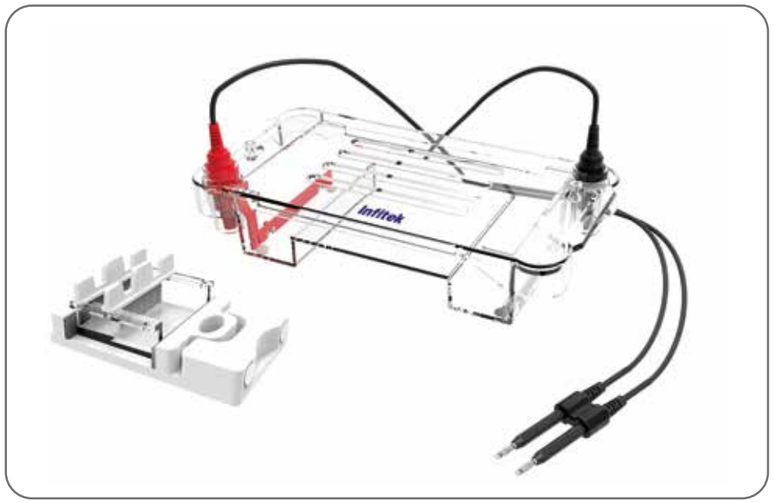


Horizontal Electrophoresis Cell

GEP-HH-SUB01



Usage: This product is suitable for rapid separation, identification, preparation of DNA and determination of its molecular weight.

Features

- ◆ Polycarbonate injection molding at one time, no leakage.
- ◆ The design of cooling holes on the upper cover can effectively avoid condensation of water vapor.
- ◆ Special telescopic elastic glue maker ensures cleanliness and no glue leakage.
- ◆ Limit function, will not make the positive and negative electrodes installed backwards.
- ◆ High-flexibility wire, open cover and power-off design to ensure safety;
- ◆ The electrode can be replaced for easy maintenance;
- ◆ 99.99% high purity platinum electrode has the best conductivity and corrosion resistance.

Basic parameters	specifications
Overall dimensions (l×w×d)	200 * 100 * 100mm
Gel area (l×w)	75mm * 60mm
Sample comb	1.0/1.5mm, 6/11 teeth
Total buffer capacity	about 300ml
Package Dimension (W*D*H) (mm)	330*320*220
G.W.(kg)	1.4

Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell (including electrodes)	1set
Gel-making box	1pc.
Gel tray	1pc.
Sampling comb 1.0mm 6teeth	2pcs.
Sampling comb 1.0mm 11 teeth	2pcs.
Sampling comb1.5mm 6 teeth	2pcs.
Sampling comb 1.5mm 11teeth	2pcs.

Horizontal Electrophoresis Cell

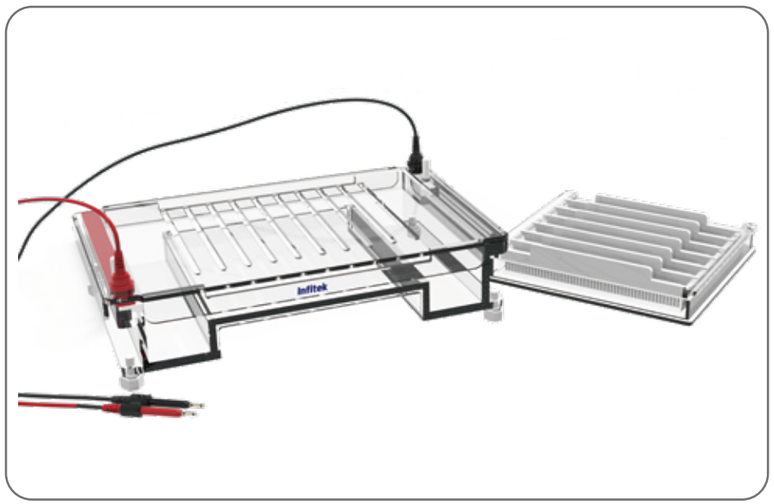
GEP-HH-SUB04

Usage: This product is suitable for nucleic acid electrophoresis, separation and identification of DNA, and determination of its molecular weight.

Features

- More than 350 samples can be electrophoresed at one time.
- The gel tray positioning card slot can be divided into 4 rows /7 rows of sample adding combs on average. Special glue box is convenient for glue making.
- The sample adding comb can be used for gun loading to meet the requirements of high-throughput electrophoresis.
- The bottom adjustment knob can effectively adjust the level of the electrophoresis tank.
- The electrode can be replaced for easy maintenance.
- 99.99% high purity platinum electrode has the best conductivity and corrosion resistance.

Basic parameters	specifications
Overall dimensions (l×w×d)	420 * 300 * 140mm
Gel area (l×w)	245mm * 250mm
Sample comb	1.0mm 26, 52 teeth (can arrange guns and add samples)
Total buffer capacity	about 1600ml

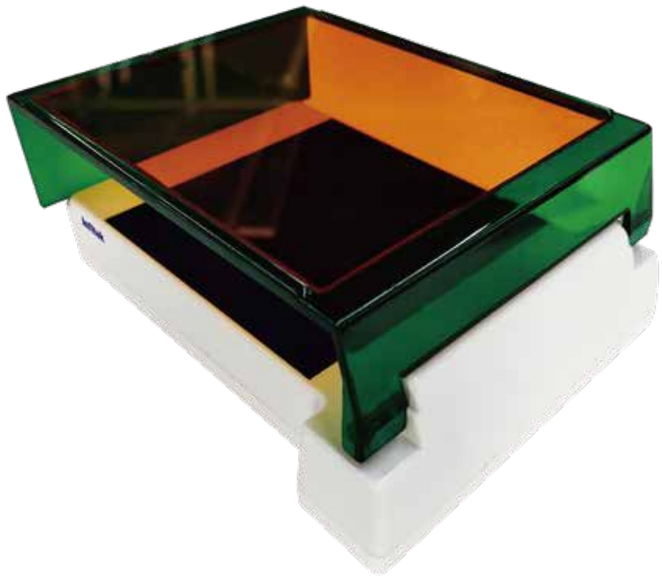


Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell (including electrodes)	1set
Gel-making box	1pc.
Gel tray	1pc.
Sampling comb 1.0mm 26teeth	4pcs.
Sampling comb 1.0mm 52 teeth	7pcs.

Horizontal Electrophoresis Cell

GEP-HH-10LG

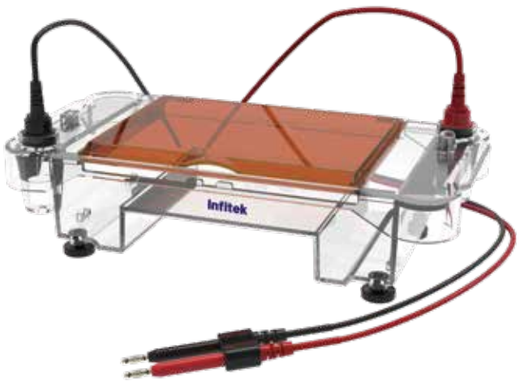


Electrophoresis Real-time Monitor

- This product is suitable for nucleic acid agarose horizontal electrophoresis.
- It is matched with the electrophoresis tank to observe the conditions of electrophoresis bands in real time.
- Mold injection molding, solid and durable.
- Matrix LED blue light source,wavelength is 470nm, high sensitivity, adjustable light intensity, automatic power off in 5 minutes.
- It can be used with GEP-HH-SUB02 horizontal electrophoresis tank and other well-known domestic electrophoresis tanks
- Observation area : 12*12cm
- External Dimension（L*W*H）： 26*23*20cm

Horizontal Electrophoresis Cell

GEP-HH-SUB03 **GEP-HH-SUB03+**



GEP-HH-SUB03

GEP-HH-SUB03+

Application

- This product is suitable for the separation and identification of DNA by nucleic acid electrophoresis and the determination of its molecular weight.

Specification

Model	GEP-HH-SUB03	GEP-HH-SUB03+
Wavelength of Blue Light	—	470nm
External Dimension(L*W*H)	365*150*130mm	
Gel Area (W*L)	130*200mm, 130*150mm	
Sampling Comb	1.0mm 14, 18, 26 teeth; 1.5mm 18 teeth	
Buffer Volume	800mL	

Features

- **GEP-HH-SUB03**

  Polycarbonate high-strength transparent plastic injection molding, no leakage and impact resistance.

  Professional blue light shielding clamshell design, opening the lid can effectively dissipate heat.

  Combined with the blue electrophoresis monitor, can effectively shield the blue light and observe the clear spectral band.

  The horizontal adjustment knob at the bottom can adjust the level of the electrophoresis cell.

  Two different gel sizes meet the requirements of common and high-throughput electrophoresis.

  The front and back design of the gel-making box saves space.

  99.99% high purity platinum electrode has the better conductivity.

- **GEP-HH-SUB03+**

  GEP-HH-SUB03+ Electrophoresis cell adds an integrated blue light transmission device on the basis of GEP-HH-SUB03.

  Combined with blue light dye, the electrophoresis process can be monitored in real-time.

  The blue light can be automatically turned off in 5 minutes to prevent long-term lighting from affecting the life of the LED lamp bead.

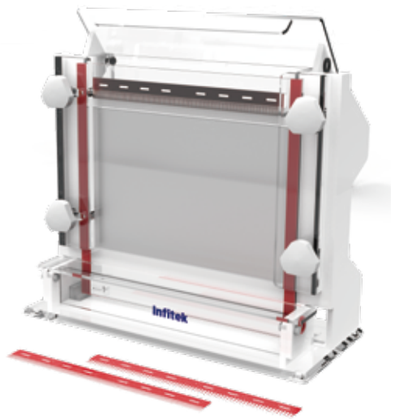
Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell (including electrodes)	1set
Gel-making box(big gel)	1pc.
Large gel tray (130*200)	1pc.
Small gel tray (130*150)	1pc.
1mm Sampling comb 14 teeth	2pcs.
1mm Sampling comb 18teeth	2pcs.
1mm Sampling comb 26 teeth	2pcs.
1.5mm Sampling comb 18 teeth	2pcs.

Sequencing Electrophoresis Tank

GEP-SH-CX01

Purpose: This product is suitable for experiments such as SSR, SSCP, HA, DNAFOOTPRINTING, etc.



Specifications

Basic parameters	specifications
External dimensions (L×W×D)	470*210*380mm
Gel area(W×L)	310mm*330mm
Sampling comb	68, 100 teeth(The gun for adding samples can be used.)
Glass area	350mm*350mm
Total buffer capacity	about 750ml

Features

- The pure flat aluminum plate treated by a special process is used to effectively dissipate heat evenly, ensuring that there is no “smile” phenomenon in the strip
- Large sample volume: 96 PCR samples can be electrophoresed at one time, which improves work efficiency.
- The high-quality red shark tooth comb is easy to observe and load the sample, and it is not easy to cross the sample.
- The operation is simple, only 4 fastening knobs are needed to fix it.
- Special buffer saving, high-quality anti-aging silicone sealing, no liquid leakage.
- The buffer outlet of the upper tank and the movable lower tank are convenient for removing the buffer.
- The upper and lower tank covers are designed to open the cover and cut off the power to ensure the safety of the experiment.
- 99.99% high purity platinum electrode has the best conductivity, corrosion resistance and aging resistance.

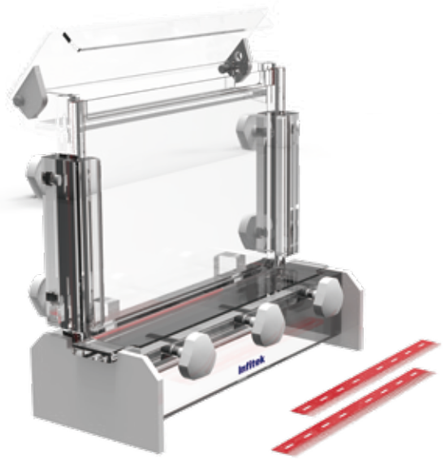
Standard configuration

Name	Quantity
Main body of electrophoresis cell	1set
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
Shark tooth 68 teeth sampling comb	2pcs.
Shark tooth 100 teeth sampling comb	2pcs.
Pads	4pcs.
Wire	1pc.

Sequencing Electrophoresis Tank

GEP-SH-CX02

Purpose: This product is suitable for experiments such as SSR, SSCP, HA, DNAFOOTPRINTING, etc.



Features

- This product adopts the buffer cooling method; the gel temperature is uniform; the bands are neat and not deformed. High-power electric field electrophoresis can be used to shorten the electrophoresis time.
- Large sample volume: 96 PCR samples can be electrophoresed at one time, which improves work efficiency.
- The high-quality red shark tooth comb is easy to observe and load the sample, and it is not easy to cross the sample.
- Multiple fastening methods ensure no leakage.
- The buffer outlet of the upper tank and the movable lower tank are convenient for removing the buffer.
- The upper and lower tank covers are designed to open the cover and cut off the power to ensure the safety of the experiment.
- 99.99% high purity platinum electrode has the best conductivity, corrosion resistance and aging resistance.

Specifications

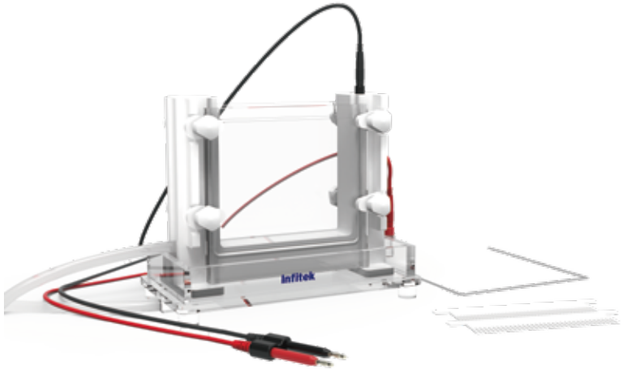
Basic parameters	specifications
External dimensions (L×W×D)	410*210*430mm
Gel area(W×L)	340mm*300mm
Sampling comb	68, 100 teeth (The gun for adding samples can be used.)
Glass area	380mm*320mm
Total buffer capacity	about1500ml.

Standard configuration

Name	Quantity
Main body of electrophoresis cell	1set
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
Shark tooth 68 teeth sampling comb	2pcs.
Shark tooth 100 teeth sampling comb	2pcs.
Pads	4pcs.
Wire	1pc.

Electrophoresis Cell, Vertical Type

GEP-VH-SCZ02



Application

- It is suitable for various protein gel electrophoresis and SSR molecular markers.

Features

- It can electrophoresis 2-4 medium-sized gels at the same time to meet the needs of high-throughput electrophoresis.
- Thickened gel glass plate, durable.
- Integrated design of concave plate and edge strip.
- Specialized sealing mold ensures no leakage.
- Buffer outlets of the upper and lower tanks are convenient for removing residual liquid.
- No additional electric field interference on both sides, producing straight bands.
- 99.99% high-purity platinum electrodes, better conductivity.

Specifications

Basic parameters	GEP-VH-SCZ02
External Dimension	280*150*250mm
Glass Area	180mm*180mm
Gel Area	150mm*150mm
Gel Thickness	1.0 mm
Sampling Comb	20, 34, 50(optional, gun sampling)
Package Dimension (W*D*H) (mm)	390*370*320

Standard configuration

Name	Quantity
Main body of electrophoresis cell	1set
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
20 teeth sampling comb	2pcs.
34 teeth sampling comb	2pcs.
Drain pipe	2pcs.
Wire	1pc.
Gel sealing frame	2pcs.
Stationery folder	8pcs.

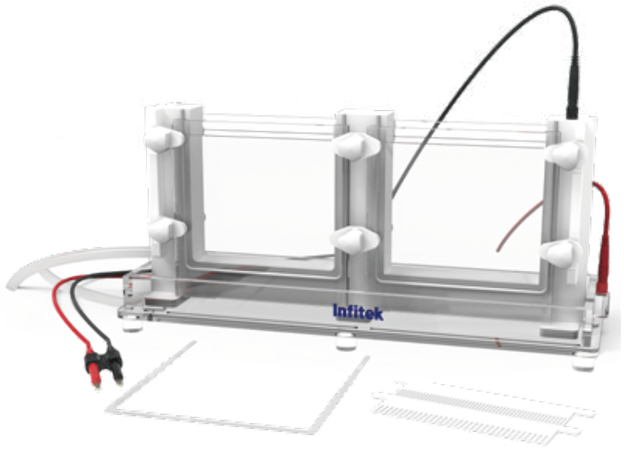
Electrophoresis Cell, Vertical Type

GEP-VH-SCZ03

CE

Application

- It is suitable for various protein gel electrophoresis and SSR molecular markers.



Specifications

Basic parameters	GEP-VH-SCZ03
External Dimension	500*150*250mm
Glass Area	180mm*180mm
Gel Area	150mm*150mm
Gel Thickness	1.0 mm
Sampling Comb	20, 34, 50(optional, gun sampling)

Features

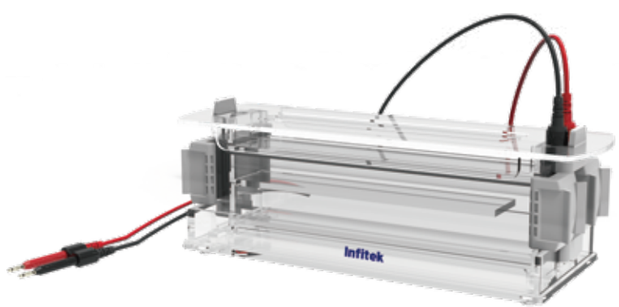
- It can electrophoresis 2-4 medium-sized gels at the same time to meet the needs of high-throughput electrophoresis.
- Thickened gel glass plate, durable.
- Integrated design of concave plate and edge strip.
- Specialized sealing mold ensures no leakage.
- Buffer outlets of the upper and lower tanks are convenient for removing residual liquid.
- No additional electric field interference on both sides, producing straight bands.
- 99.99% high-purity platinum electrodes, better conductivity.

Standard configuration

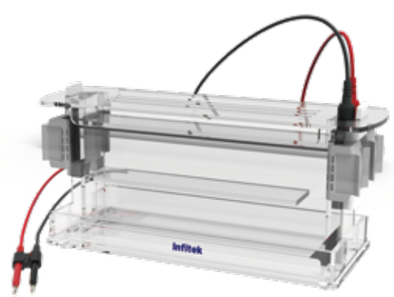
Name	Quantity
Main body of electrophoresis cell	1set
Concave gel glass plate	4pcs.
Flat gel glass plate	4pcs.
20 teeth sampling comb	4pcs.
34 teeth sampling comb	4pcs.
Drain pipe	2pcs.
Wire	1pc.
Gel sealing frame	4pcs.
Stationery folder	16pcs.

Electrophoresis Cell, Vertical Type

GEP-VH-SCZ04A **GEP-VH-SCZ04B1**



GEP-VH-SCZ04A



GEP-VH-SCZ04B1

Features

- The amount of testing samples is large, and the maximum loading amount of a double-plate electrophoresis tank is 200.
- If GEP-PH-600D high-current output power supply is used, one power supply can supply power to four electrophoresis tanks at the same time, which meets the needs of high-throughput detection and greatly reduces the purchase cost of the instrument.
- Three sets of high-purity platinum electrodes provide a stable electric field.
- It can be connected to cooling circulating water, with a constant electrophoresis temperature, and can use high voltage electrophoresis.

Application

- This series of products is specially designed for the molecular marker purity of a large number of samples from the DNA level through methods such as SSR or RAPD, and is especially suitable for genetics, breeding, seed purity testing and authenticity identification.

Specification

Model	GEP-VH-SCZ04A	GEP-VH-SCZ04B1
External Dimension	530*340*310mm	
Gel Area	300*85mm	300*130mm
Sampling Comb	102teeth,68teeth（gun sampling）	
Adapted power supply	GEP-PH-600C: Can run two electrophoresis tanks simultaneously GEP-PH-600D: Can run four electrophoresis tanks simultaneously	

Standard configuration

Name	Quantity
Upper cover of electrophoresis cell	1pc.
Electrophoresis cell body	1set
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
102 teeth sampling comb	2pcs.
68 teeth sampling comb	2pcs.
Circulating water pipe	2pcs.
Stationery folder	8pcs.
Wire	1pc.
Bubble hook	2pcs.

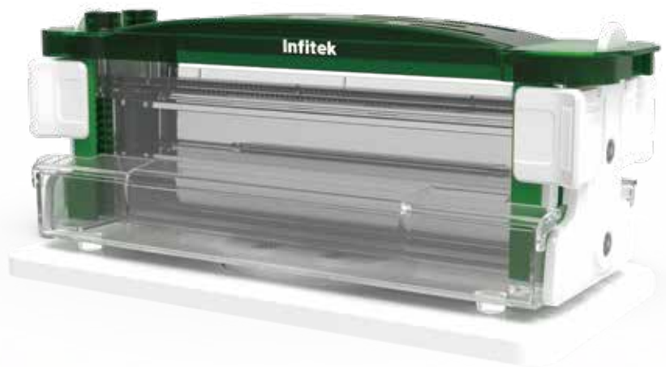
Electrophoresis Cell, Vertical Type

GEP-VH-SCZ04B

CE

Application

- This product is suitable for rapid SSR experiments of molecular markers and other high-throughput protein electrophoresis.



Specifications

Model	GEP-VH-SCZ04B
External Dimension	530*340*310mm
Glass Dimension	338*120mm
Gel Area	300*105mm
Sampling Comb	102teeth,68teeth（gun sampling）
Gel Injection Mode	Default horizontal gel injection
Adapted power supply	GEP-PH-600C: Can run two electrophoresis tanks simultaneously GEP-PH-600D: Can run four electrophoresis tanks simultaneously

Features

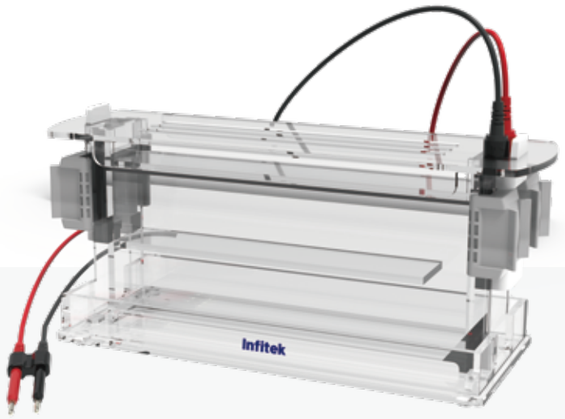
- ◆ One injection molding of polycarbonate, high transparency and high impact resistance.
- ◆ The sample volume is large, and the electrophoresis detection of 200 samples can be performed at one time.
- ◆ Glass clamp and supporting mechanism, more convenient for gel pouring operation.
- ◆ It can be directly assembled to the electrophoresis tank without removing the glass clip.
- ◆ The new fastening device is more convenient and quick to attach the gel glass plate to the electrophoresis cell.
- ◆ The protective cover of the platinum electrode can effectively prevent the platinum wire from being damaged.
- ◆ The 360° rotating positioning device eliminates the need to move the electrophoresis cell when loading samples.
- ◆ The upper and lower tanks are equipped with transparent safety covers, and the upper tank safety covers are equipped with heat dissipation holes.
- ◆ It can be connected to the cooling circulating water, and the temperature is constant.
- ◆ Equipped with a special air bubble hook, which can easily remove the air bubbles generated during gel making.

Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Electrophoresis cell body	1pc.
Rotating base	1set
Gel plate fixing clamp	2sets
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
102 teeth sampling comb	2pcs.
68 teeth sampling comb	2pcs.
Circulating water pipe	2pcs.
Bubble hook	2pcs.

Electrophoresis Cell, Vertical Type

GEP-VH-SCZ04C

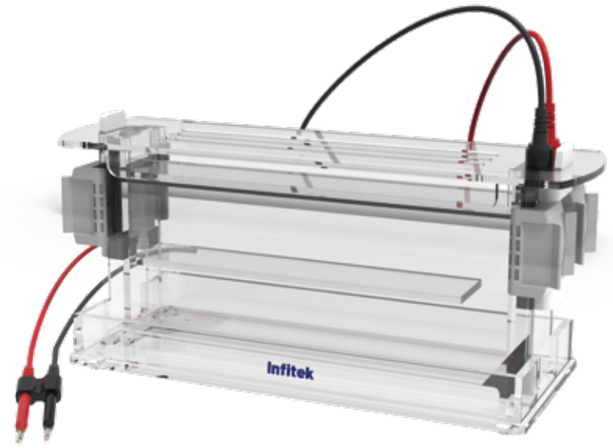


Application

This series of products is specially designed for the molecular marker purity of a large number of samples from the DNA level through methods such as SSR or RAPD, and is especially suitable for genetics, breeding, seed purity testing and authenticity identification.

Features

- The amount of testing samples is large, and the maximum loading amount of a double-plate electrophoresis tank is 200.
- If GEP-PH-600D high-current output power supply is used, one power supply can supply power to four electrophoresis tanks at the same time, which meets the needs of high-throughput detection and greatly reduces the purchase cost of the instrument.
- Three sets of high-purity platinum electrodes provide a stable electric field.
- It can be connected to cooling circulating water, with a constant electrophoresis temperature, and can use high voltage electrophoresis.



Specification

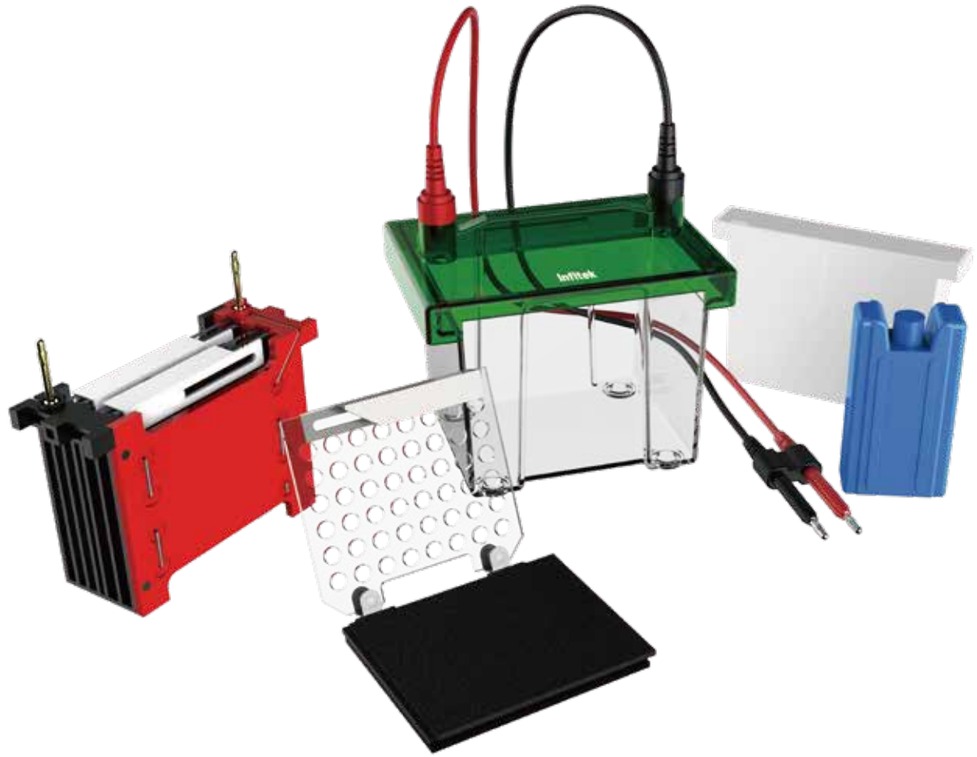
Model	GEP-VH-SCZ04C
External Dimension	530*340*310mm
Gel Area	300*190mm
Sampling Comb	102teeth,68teeth（gun sampling）
Adapted power supply	GEP-PH-600C: Can run two electrophoresis tanks simultaneously GEP-PH-600D: Can run four electrophoresis tanks simultaneously

Standard configuration

Name	Quantity
Upper cover of electrophoresis cell	1pc.
Electrophoresis cell body	1set
Concave gel glass plate	2pcs.
Flat gel glass plate	2pcs.
102 teeth sampling comb	2pcs.
68 teeth sampling comb	2pcs.
Circulating water pipe	2pcs.
Stationery folder	8pcs.
Wire	1pc.
Bubble hook	2pcs.

Mini Transfer Electrophoresis Tank

GEP-TH-ZY02



Features

- The positive electrodes gather together for 4cm, generating a strong electric field to carry out effectively.
- Protein transfer printing, built-in ice box, blue crystal ice box is optional, which can quickly absorb electricity.
- Heat generated by swimming.
- Used with VH-1 or VH-4
- High-flexibility wire, open cover and power-off design to ensure safety
- The electrode can be replaced for easy maintenance;
- 99.99% high purity platinum electrode has the best conductivity and corrosion resistance.

Specifications

Model	GEP-TH-ZY02
Overall dimensions (l×w×d)	160 * 115 * 150mm
Transfer gel area (l× w)	11cm× 9cm
Total buffer capacity	about 900ml

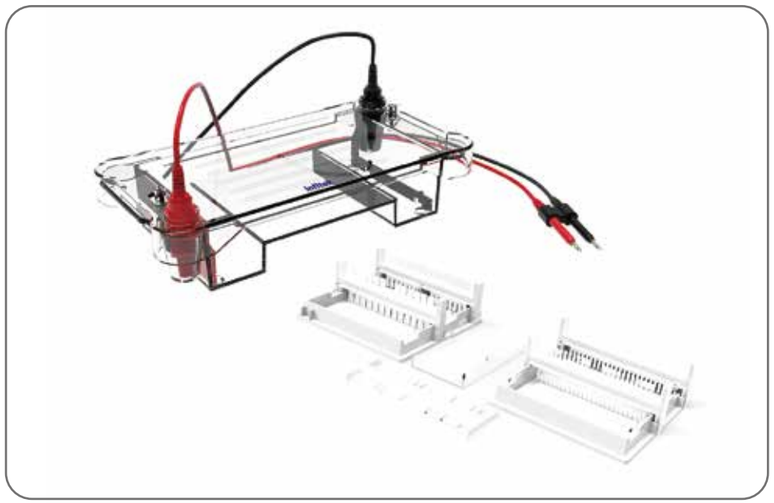
Standard configuration

Name	Quantity
Electrophoresis tank (upper cover)	1pc.
Electrophoresis tank (lower tank)	1pc.
Transfer core	1pc.
Transfer clamp	2pcs.
Blue ice box	1pc.

Horizontal Electrophoresis Cell

GEP-HH-SUB02

- This product is suitable for nucleic acid electrophoresis, separation and identification of DNA, and determination of its molecular weight.



Features

◆Can make 4 kinds of gels with different sizes, and two kinds of gel makers are optional.
◆Limit function, will not make the positive and negative electrodes installed backwards.
◆The detachable electrode is convenient for replacement and maintenance.
◆99.99% high-purity platinum electrodes have better conductivity and are resistant to aging.
◆Optional electrophoresis monitor for real-time monitoring of electrophoresis bands.

Model	GEP-HH-SUB02
External Dimension（L*W*H）	330*160*120mm
Package Dimension (W*D*H) (mm)	390*230*210
Gel Area(W*L)	120*120mm/120*60mm
	60*120mm/60*60mm
Sampling Comb	2+3 teeth/6+13 teeth/8+18 teeth/11+25 teeth
	(gun sampling)

Standard configuration

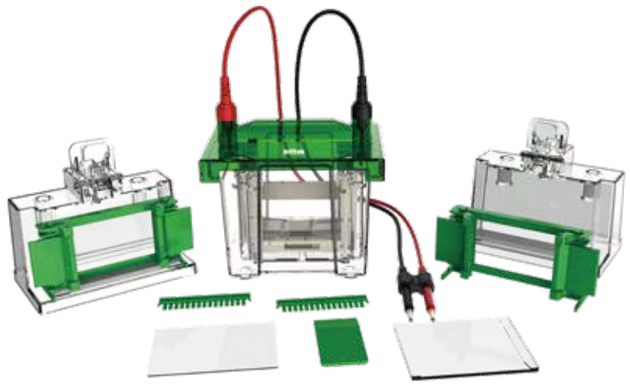
Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell (including electrodes)	1set
Gel-making box(big gel)	1pc.
Gel-making box(small gel)	1pc.
Large gel tray (120*120)	1pc.
Wide gel tray (120*60)	1pc.
Long gel tray (60*120)	1pc.
Small gel tray (60*60)	2pcs.
Sampling comb(2+3 teeth)	1pc.
Sampling comb(6+13 teeth)	1pcs.
Sampling comb(8+18 teeth)	1pcs.
Sampling comb(11+25 teeth)	4pcs.

Electrophoresis Cell, Vertical Type

GEP-VH-1

Application

- This product is a device for performing vertical electrophoresis on small amounts of protein samples.



Features

- The integrated design of the glass plate and the gasket ensures no glue leakage.
- Two 8.3×7.3cm gels can be run simultaneously.
- Split gel-making device, simple and reliable operation.
- Silicone sealing gasket, durable and resistant to aging.
- Power cut-off when opening the lid, ensuring experimental safety.
- Upper cover limit function ensures that the wrong electrode polarity will not be connected.
- 9.99% high purity platinum electrode has the better conductivity and strong corrosion resistance.
- Equipped with gel plates of various thicknesses and combs for loading, meeting different experimental requirements.

Specifications

Model	GEP-VH-1
External Dimension	160*115*150mm
Gel Area	83mm×73mm
Gel Thickness	0.75, 1.0 and 1.5mm (optional)
Sampling Comb	10, 15teeth

Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell	1pc.
Electrode core	1set
Thick gel glass plate	5pcs.
Thin gel glass plate	5pcs.
10 teeth sampling comb	2pcs.
15 teeth sampling comb	2pcs.
Gel casting tray	2pcs.
Gel casting frame	2pcs.
Single gel barrier	1pc.
Gel scoop	1pc.
Glass drying rack	1pc.

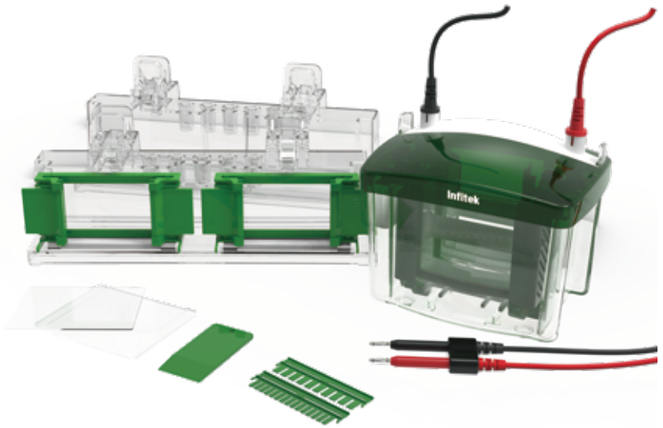
Note: 1.0mm thick gel is prepared by default.

Electrophoresis Cell, Vertical Type

GEP-VH-4

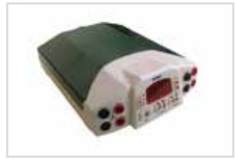
Description

This product is ideal for subject research, screening new samples, and evaluating sample preparation conditions.



Standard configuration

Name	Quantity
Upper cover of electrophoresis cell (including wires)	1set
Lower shell of electrophoresis cell	1pc.
Electrode core	1set
Electrode secondary core	1set
Thick gel glass plate	5pcs.
Thin gel glass plate	5pcs.
10 teeth sampling comb	5pcs.
Gel casting tray	2pcs.
Gel casting frame	4pcs.
Single gel barrier	1pc.
Gel scoop	1pc.
Glass drying rack	1pc.
Note: 1.0mm thick gel is prepared by default.	



This product can be used with GEP-PH-300 electrophoresis power supply.

Features

The edge sealing strip is permanently fixed on the long glass plate to ensure the precise alignment of the glass plate and prevent glue leakage;

The plastic frame of the cam lock is easy to operate and can accurately align the glass plate on any plane;

Special plastic electrophoresis comb does not inhibit gel polymerization; built-in ridges avoid air contact and ensure uniform gel polymerization;

The long glass plate with edge-sealing pads is thickened so that the glass plate will not be broken;

The one-piece gel-filling rack is arranged in parallel, and two gels can be observed at the same time.

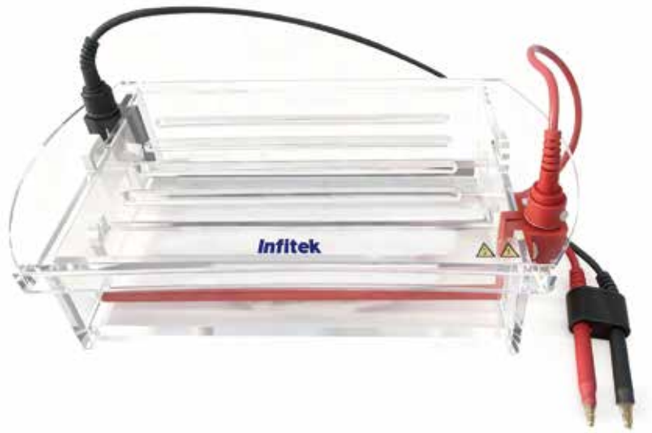
High-purity platinum electrode wire to achieve the best electrical conductivity

Specifications

Model	GEP-VH-4
Number of gels	1-4 pcs.
Gel thickness	0.75, 1.0 and 1.5mm(optional)
Sampling comb	10 teeth,15teeth
Gel size (L×W)	thick plate 101*82mm; thin plate 101*73mm
Gel size	hand-poured gel (8.3x7.3cm); Precast gel (8.6x6.8cm)
External Dimension	160*120*180mm

Cellulose Acetate Electrophoresis Cell

GEP-CA-CS01



- Bridge Dimensions (W*L): 60*235 mm
- Buffer Volume: About 550 mL
- Equipped with a circulating water cooling device

Applications

Suitable for cellulose acetate membrane electrophoresis and glass slide electrophoresis.

Applications

- Safety lid-opening button design for easy opening of the upper lid;
- Equipped with a circulating water cooling device to ensure the electrophoresis process runs at a constant temperature;
- Single-bridge design, compact, lightweight, and easy to operate;
- Detachable electrode frame makes electrode maintenance and replacement more convenient, quick, and safe;
- Automatically cuts off the electrophoresis electric field when the lid is opened to ensure operational safety;

Specification

Model	GEP-CA-CS01
Bridge Dimensions (W*L)	60*235 mm
Buffer Volume	About 550 mL
External Dimensions (L*W*H)	320*170*80 mm
Net Weight	1.0 kg

Standard Configuration

Name	Quantity
Main Body of Electrophoresis Cell	1 set
Circulating Water Tubing	2 pcs
Movable Support Rod	2 pcs
Power Cable	1 pc
Cellulose Acetate Membrane (2×8 cm)	10 pcs