



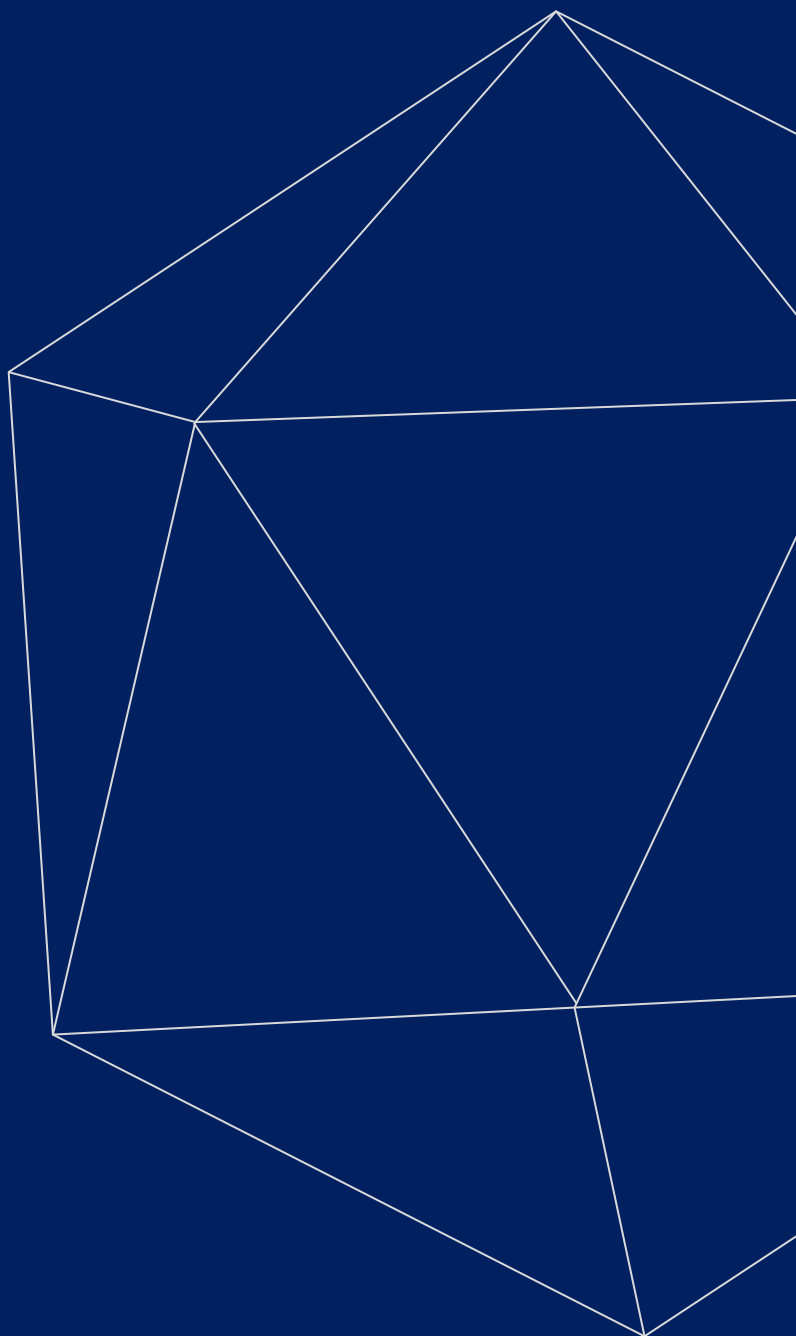
LABORATORY LINES

ELECTROPHORESIS



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Mini-Protean Vertical Electrophoresis Cell

Model YR03426



Product Description

Vertical gel electrophoresis is a more complex set-up compared to horizontal gel system. Researchers normally use this system to separate proteins instead of nucleic acids. However, before you separate proteins, you need to disrupt the quaternary structure of proteins into the linear strand

- With two gel castings, can cast 1-4 plates of gels at the same time. There are two methods of "casting gel in original position" and "multi-casting gel" for option.
- The installation of the glass plate in just 15 seconds, and does not need the knob, fast and convenient.
- With a gel casting in original position, no need to move glasses from gel making to electrophoresis running. It is more convenient to observe gel preparing through both sides of the glasses.
- High transparent polycarbonate material injection molding, impact resistance, high temperature resistance, corrosion resistance.
- Safety cover open button design, convenient opening the cover.
- With the background colour, easy to be observed in the sample adding and electrophoresis process.
- Abundant buffer not only guarantees cooling effects, but also keeps the pH Value stable during the whole experiment process.
- Auto-switch-off when the lid is removed.



Model

Glass plate size (W×L)

Gel Size (W×L)

Gel thickness

Gel amount

Sample volume

Buffer Volume

Dimension (L×W×H)

Net weight

YR03426

100×100 mm

82×88 mm

1.0、1.5 (mm)

1~4 (pieces)

(1.0mm) 11、15wells ; (1.5mm) 11、15wells

~1000 (ml)

220×170×120 (mm)

2.5 (kg)



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Mini-Protean Vertical Electrophoresis Cell

Model YR03426



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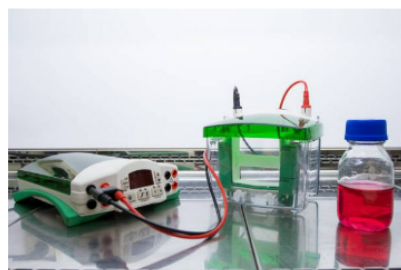
In Kalstein you can find the ideal Electrophoresis systems for your laboratory

Electrophoresis is a common technique in the clinical laboratory. It allows the separation of chemical species (nucleic acids or proteins) along an electric field based on their size and their electric charge.



Agarose gel electrophoresis

Agarose gel is a good electrophoretic support. In addition, its nature gives it the characteristic of being able to separate molecules based on their size. This support allows nucleic acids to be separated based on their size. It is used to separate large molecules.



Polyacrylamide gel electrophoresis

Polyacrylamide gel is considered the best support. They also have great mechanical stability and are insoluble in water. Among so many advantages there is a drawback that is limiting its use: it is neurotoxic. It is used for the separation of proteins and, like the agarose gel, allows the separation of molecules based on their size.



Capillary electrophoresis

This technique differs a lot from the previous ones. The support is different, since it uses fused silica capillaries, covered with a layer of polyimide. The results are visualized through a computer screen.

KALSTEIN UPDATED

What is your ideal electrophoresis systems for your laboratory?

There are countless models, so it is normal that you do not know which electrophoresis system to buy to suit your needs. At Kalstein, we evaluate them to find what you are looking for.

What is an electrophoresis system?

Electrophoresis is an analytical method in which a controlled electric current is used in order to separate biomolecules according to their size to electric charge ratio, using a gelatinous matrix as a base...

[Read the article](#)

Horizontal and vertical electrophoresis

Gel electrophoresis is a laboratory technique used in genetics to separate mixtures containing DNA, RNA, and other proteins according to their respective molecular size and charge...

[Read the article](#)



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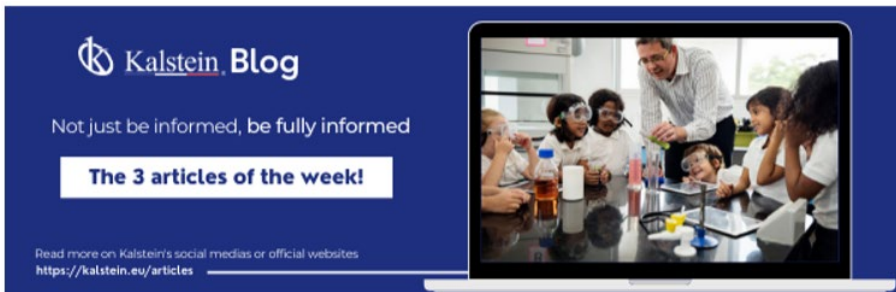
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