Denagene Tajhiz Company

Biotechnology Lab Equipment Manufacturer and Designer

About Us

Established in 2014 in Tehran, at the Science and Technology Park of Tarbiat Modares University, Denagene Tajhiz proudly stands as a distinguished lab equipment manufacturing Iranian company.

Our focus lies in the design and manufacturing of laboratory and biotechnology equipment and materials, and we take pride in our active Research and Development unit dedicated to advancing essential products within these domains.

Our main goal at Denagene is to provide suitable, reliable, and precise solutions for biotechnology researchers and scientists, enabling them to achieve the best results in their experiments. We have strived to become a leading laboratory in Iran, focusing on quality, precision, and flexibility.

By leveraging the latest technologies, we strive to offer our services and equipment to fellow citizens at a level synchronized with global advancements.

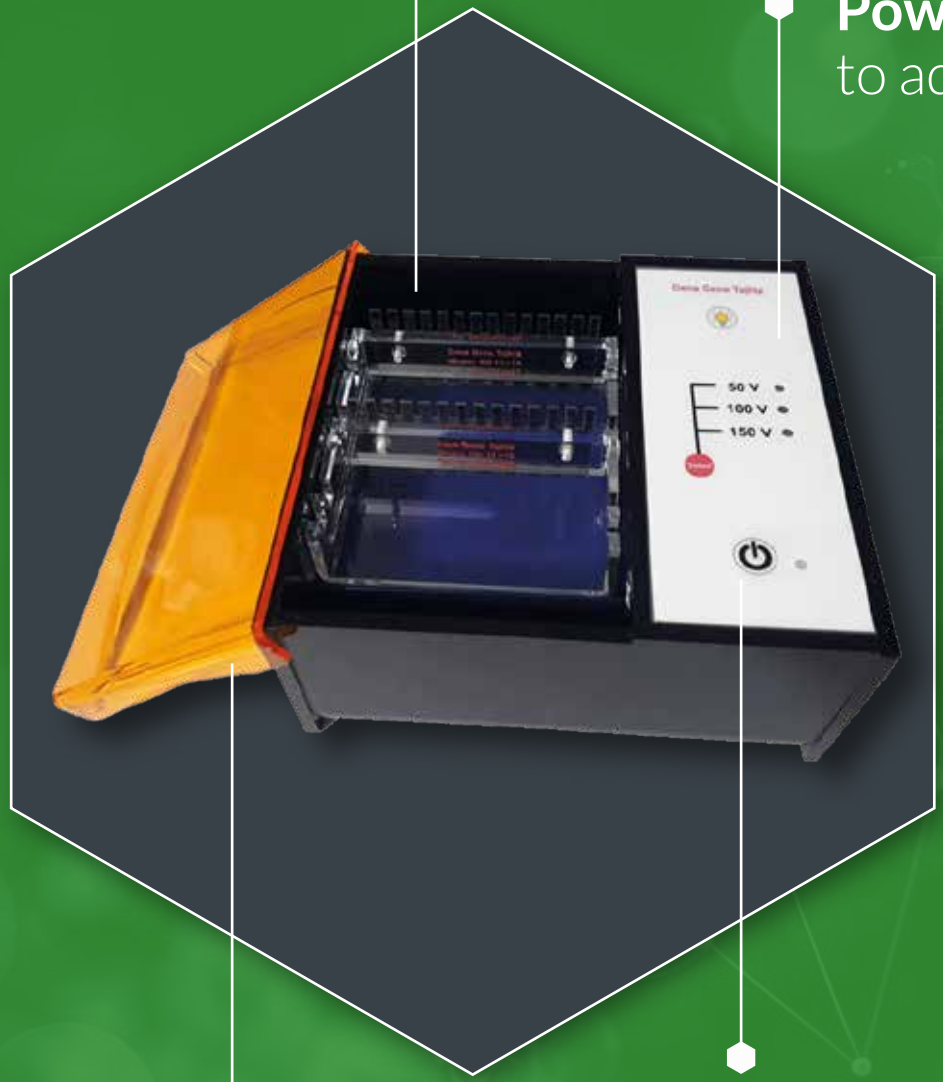
The real-time electrophoresis is a specific model of the horizontal electrophoresis system that, without the need for other devices, is capable of handling all stages, ensuring the end-to-end observation of result quality.

In essence, this device includes three components: horizontal electrophoresis units, a power supply, and a transilluminator for DNA band visualization. In real-time electrophoresis systems produced by Denagene Tajhiz, users can easily separate various nucleic acids.

Agarose gels are prepared effortlessly using an appropriate gel casting system. Denagene Tajhiz electrophoresis systems are designed to provide high-quality performance for years to come.

Real-Time Electrophoresis

Horizantal tank chamer
for performing electrophoresis



Power supply
to adjust the voltage

cover
for viewing the bands

Power button
to turn the device on and off

Applications

- Estimating the size of DNA molecules after digestion with restriction enzymes: For example, mapping cloned DNA after exposure to restriction enzymes.
- Observing different DNA bands.
- Analyzing PCR products: For example, in genetic diagnostics or genetic fingerprinting.
- Separating DNA fragments for extraction and purification.
- Separating fragmented genomic DNA before Saturn transfer or separating RNA before Northern blotting.

Features

- Without the Need for Gel Documentation and a Power Supply
- Keeping Quality and It Is Highly Cost-Effective
- Simplifies the Post PCR Process
- Suitable for Diagnostic and Educational Centers

Technical Specification

Model	Midi Real-Time Electrophoresis
Gel Dimensions (CM)	7*10 10*10
Voltage Power (V)	50-100-150
Flow (mA)	Up to 200 mA
Tank Dimensions (CM)	7*23*17
Buffer Volume (ML)	300-450
Sample Quantity (Double-sided combs)	10or14
Maximum Sample Quantity	42

Real-Time Electrophoresis

Real-time electrophoresis is used for immediate analysis and visualization of nucleic acid or protein separation, enabling researchers to monitor and adjust experiments in real time for applications such as DNA fragment analysis, RNA quality assessment, and protein purification.

With advanced imaging technology and robust software, our Real-Time Electrophoresis equipment provides high-resolution data and detailed analysis, making it an indispensable tool for any molecular biology lab.

Contact Us

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Molecular Biology Is Our Business

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