



# 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 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.



**DGT-UNIVERSAL Electrophoresis Power Supply**, manufactured by Denagene Tajhiz, is a highly precise, high-quality, and secure power supply device. It can provide voltage ranging from 24 to 600 volts with an accuracy of 1 volt, and current ranging from 0 to 400 milliamperes with an accuracy of 1 milliampere.

It is designed to compete with the best brands worldwide. The power supply of the electrophoresis system by Denagene is highly stable against fluctuations in the mains electricity, and it is equipped with an intelligent short-circuit protection system. This system prevents damage to the power supply and safeguards the user in case of a short circuit.

**Power Supply**

Display ( Voltage-Current-Time )



Panel keypad

Positive output terminal

Negative output terminal



## Applications

- SDS-PAGE (Polyacrylamide Gel Electrophoresis)
- Native Page
- Agarose gel electrophoresis
- DNA pulsed field electrophoresis
- Electroblotting
- Denaturing Gradient Gel Electrophoresis (DGGE) technique
- Other electrophoresis-based chemical analysis processes

- Equipped with a current cutoff system
- Designed for a wide range of vertical and horizontal electrophoresis techniques, as well as various blotting tanks
- Offers a %95 efficiency
- Provides extremely high accuracy



## Features

# Technical Specification

Power supply

Model	DGT-UNIVERSAL
Simultaneous Connection Capacity	3
Output Voltage (V)	24-600
Output Current ( mA)	0-400
Maximum Output Power (W)	240
Timer	1min to 100 hour
Voltage Accuracy (V )	0.1v
Flow Accuracy ( mA)	0.1mA
Efficiency	%95
Dimensions (CM )	8 * 20 * 22
Weight (KG )	1.8
Operating Temperature (C)	0-50



## Power supply

The power supply's stability against fluctuations and its precise control capabilities enhance the accuracy and reproducibility of experimental results, crucial for advanced research.

With its robust construction and user-friendly interface, our power supply equipment guarantees long-term durability and ease of use, making it a valuable addition to any research lab.



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# Molecular Biology Is Our Business

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