



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 Tadjiz 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 DeNA Cyclor 32 Eco is an economical thermal cycler machine. Using polymerase chain reaction (PCR) technology, the thermal cycler facilitates the amplification of nucleic acids. DNA amplification enables various downstream processes such as diagnostics, cloning, genotyping, and sequence determination. Denagene Tajhiz Company offers both non-gradient PCR and gradient PCR.

The device's ramping speed is optimized, allowing a typical PCR reaction to be completed within 60 to 70 minutes. Denagene Tajhiz PCR machines feature a professional body, suitable ramp rates, and exceptionally user-friendly software, enhancing the molecular work experience for users.

Economic Thermal Cycler

Model: DeNA Cyclor 32 Eco

Push button



Air ventilation paths

WiFi button

Power button



Applications

- Gene Amplification
- Preimplantation Genetic Diagnosis (PGD)
- Gene Presence/Absence
- Determining Fetal Sex
- Forensics
- DNA Sequencing
- Chromosomal Disorders
- Genetic Fingerprinting
- Disease Diagnosis

- Infinite Programming Capability
- Exceptional Quality in Output Bands
- Excellent Ramp Rate
- Uniform Temperature Along the Wells
- Wi-Fi Connectivity for Controlling and Programming Device
- Competitive Price
- 18-Month Warranty



Features

Technical Specification

Economic Thermal Cycler

Model	DeNA Cycler 32 Eco
Sample Capacity (ML)	32*0.2
Temperature Range (°C)	4-100
Temperature Control Accuracy (°C)	0.4
Average Temperature Rise Rate (°C)	3
Average Rate Of Temperature Decrease (°C)	2.5
Maximum Rate Of Temperature Change (°C)	4
Temperature Uniformity (°C)	±0.4 at 50
Maximum gradient regions (°C)	-
Gradient Range (°C)	-
Lid Temperature	Default on 105, but can be variable
Thermal Blocks Mode	Yes
Maximum Number Of Steps	100

Technical Specification

Economic Thermal Cycler

Model	DeNA Cycler 32 Eco
Maximum Number Of Cycles	100
Maximum Number Of Programs	Unlimited
LCD Display	Run on computer
USB Port	yes
WiFi	yes
Dimensions (height*width*length CM)	17*26*40
Weight (KG)	6.5
Operating Temperature (°C)	10-30
Power (W)	250



PCR

PCR is widely regarded as the gold standard in diagnostic assays, allowing for the rapid and precise detection of infectious diseases through the analysis of small DNA and RNA samples from patients.

With user-friendly interfaces and robust construction, our PCR systems deliver exceptional performance and durability, making them a cost-effective choice for both routine and advanced molecular biology workflows



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Molecular Biology Is Our Business

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