



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.

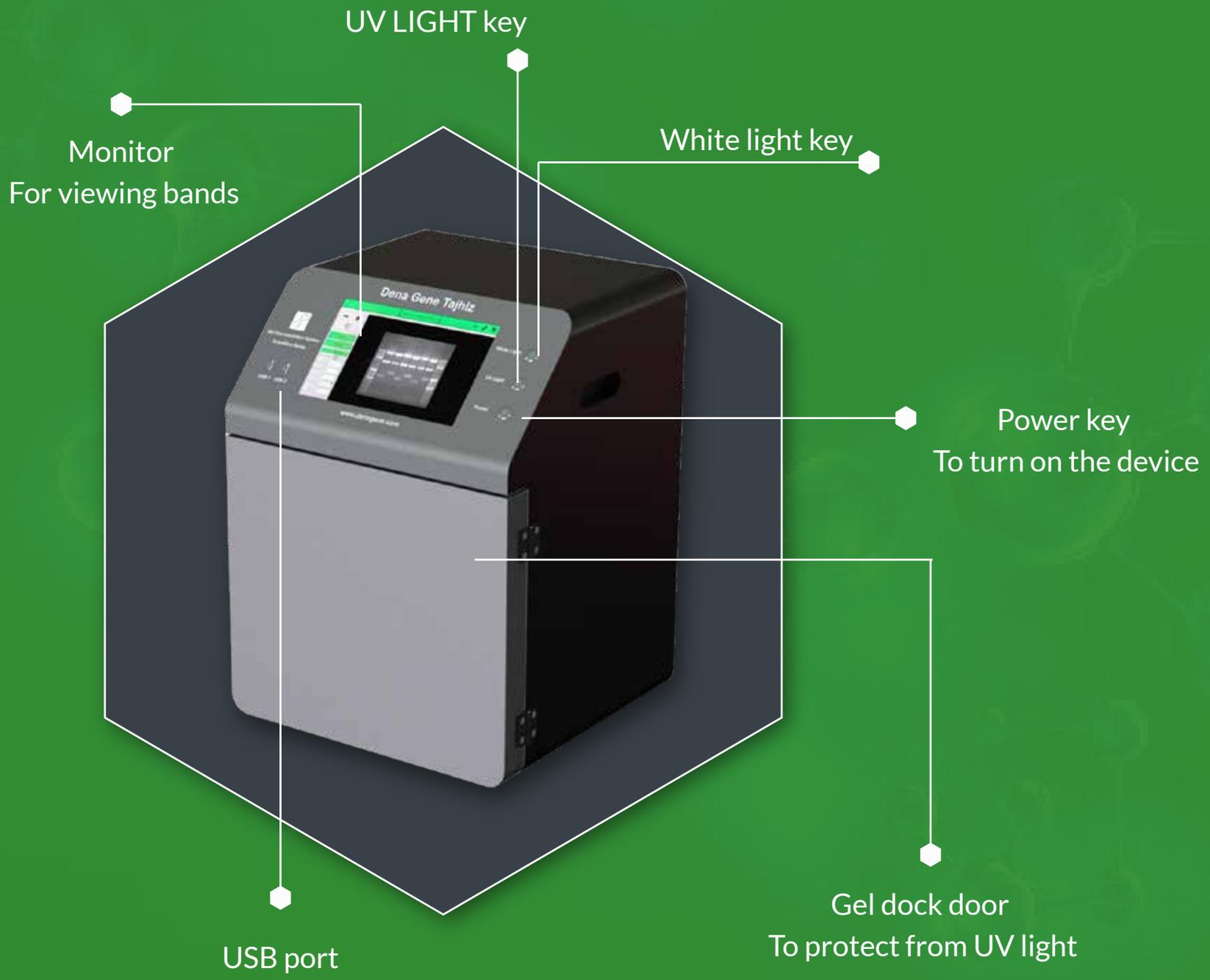
Gel documentation systems are among the most essential devices used in cellular and molecular laboratories for examining results after the electrophoresis process. To meet researchers' needs, Denagene Tajhiz has designed and produced various models of this device with different wavelengths. All gel documentation devices from Denagene Tajhiz utilize a Scientific detector equipped with a CMOS sensor, providing excellent imaging quality for gels.

One significant advantage that distinguishes this device from older imaging systems is the inclusion of a computer and LCD touchscreen directly on the device, which is especially beneficial for limited laboratory spaces. Regarding safety considerations during use, all models of the gel documentation system feature a fully secure cover against ultraviolet radiation on the transilluminator, eliminating the need for direct placement on the transilluminator when the device door is closed during imaging.

The gel documentation systems manufactured by Denagene Tajhiz are designed to eliminate the need for an external computer and viewing system, allowing users to easily view their research results through the imaging system with an LCD touch screen and internal computer.



Gel Documentation





Applications

- Estimating the size of DNA molecules after digestion with restriction enzymes
- Analysis of PCR products
- Separation of genomic DNA and/or RNA
- Capability to perform quantitative luminescence analysis

- Uniformity of light intensity across the filter
- Touchscreen Monitor with No Need to be Controlled by an External Computer
- Ability to connect external memory
- Main Door Control of the Gel Documentation Device with a Sensitive Micro Switch
- Specialized Imaging Software with a Professional and User-Friendly Interface
- Ability to Use the Transilluminator Device Separately and Outside the Gel Documentation Circuit
- Scientific Imaging Capabilities
- Ability to Customize at Various Wavelengths
- Secure Design



Features

Technical Specification

Gel Documentation

Model	Scientifica Series
Wavelength (nm)	254/312
Filter Size(cm)	20 * 20
Detector	High-Resolution Scientifica Camera
Imaging Software	Denagene Imaging Software
Image Quality	6Megapixel
Pixel Size (Micrometer)	3.75 * 3.75
Filter Dye	Ethidium or SYBR optionally chosen
Transilluminator Dimensions (cm)	10*30*36
Transilluminator Dimensions (cm)	40*45*70
Weight (Kg)	24



Gel Documentation

The Gel Documentation system significantly reduces the time required for gel analysis by providing quick, high-resolution images and automated data processing, increasing overall laboratory productivity.

With cutting-edge imaging technology and user-friendly software, our Gel Documentation equipment streamlines the process of capturing and analyzing gel images, enhancing lab efficiency.



Address: Shahid Beheshti University of Medical Sciences, Medical Device Incubator Unit
International Center Health Technology Park, Ofogh Street, Hakimiyeh
Tehran, Iran

Mobile Phone: +989108540017

Website: www.Denagene.com

Regional Manager: Regionalmanager@denagene.com



Molecular Biology Is Our Business

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