



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 simplest way to visualize DNA bands is by using a transilluminator. Previously, only UV transilluminators with wavelengths in the UV light range and ethidium bromide were used to view the bands.

However, considering the mutagenic effects of UV light and the carcinogenic nature of ethidium bromide, researchers sought alternative methods that are equally effective or even better than the traditional approaches.

Today, the use of dyes with fewer issues and transilluminators emitting safe visible light wavelengths has become routine. Denagene Tajhiz, as a leading manufacturer of this device in Iran, offers it in various models.

Blue Light Transilluminator

Cover

For protection from visible light

Filter plate

for placing the gel



Power button

to turn on the device

Technical Specification

Blue Light Transilluminator

Model	Mini Safe Transilluminator	Large Safe Transilluminator
Filter Size (cm)	12 * 12	22 * 22
Device Dimensions (cm)	7 * 17 * 20	7 * 27 * 30
Wavelength (nm)	470	470
Available Dye	All Except Ethidium Bromide	All Except Ethidium Bromide
Maximum Operating Time (min)	5	5

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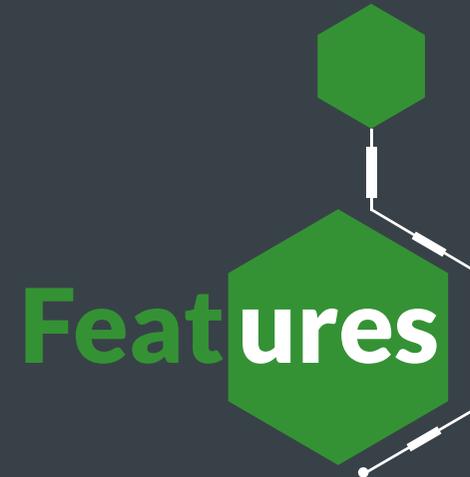
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Applications

- Visualization of DNA bands
- Detection of GFP tags in proteins
- Observation of RNA fragments
- Immunofluorescence
- Genetics

- No need to use the hazardous dye ethidium bromide.
- Long lifespan.
- Compatible with all dyes except ethidium bromide.
- Exceptionally affordable price.

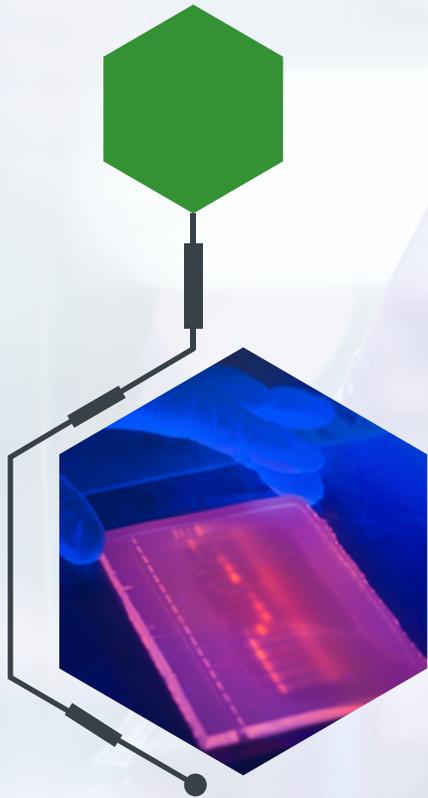


Features



? Why Blue Light Transillumination

- No harmful ultraviolet radiation.
- Longer lifespan and significantly lower cost.
- Suitable for viewing nucleic acids and protein gels.
- Quick observation of gels and stained membranes.
- Large viewing area, capability for mobile phone photography, and camera mounting position.
- Adequate enclosure.
- High simplicity and safety.
- Compatibility with various Safe Stain and SYBR dyes.



The Blue Light Transilluminator enhances the visualization of nucleic acids with high sensitivity while protecting your samples from UV-induced damage.

Designed with advanced blue LED technology, our transilluminator ensures optimal safety and superior results without the harmful effects of UV light

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Molecular Biology Is Our Business

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