Denagene Tajhiz Company

Biotechnology Lab Equipment Manufacturer and Designer

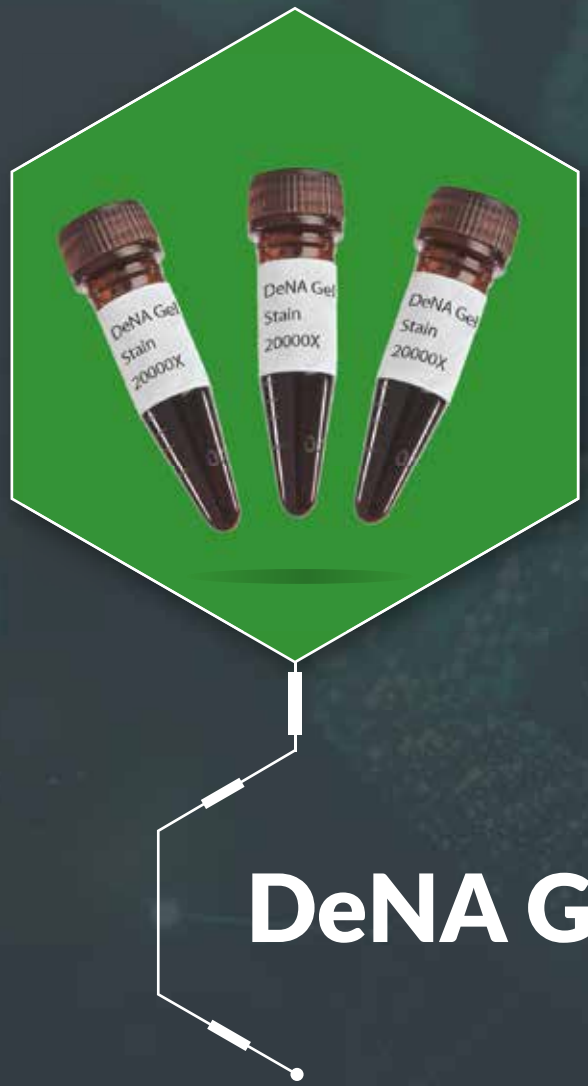
About Us

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.



DeNA Gel Stain

Fluorescent dyes are used to visualize DNA bands. These dyes either attach to phosphate groups in the DNA backbone or sit between the two strands. The DNA dye produced by Denagene Tajhiz Company is highly suitable for staining PCR products.

This dye binds to single-stranded DNA, double-stranded DNA, and RNA, and can be used to stain and visualize nucleic acids in gels, providing quality staining comparable to Ethidium bromide. What makes this dye popular is its minimal carcinogenicity. It has excellent excitation properties in UV wavelengths and the blue light range. Therefore, it is versatile and can be used in various gel documentation and transilluminator models.

How to use DeNA Stain:

As the name implies, it is used as a Gel Stain, and after agarose gel is melted, it is added to the gel at a ratio of 1:20000. This means that for every 20 milliliters of agarose, 1 microliter of the stain is added.

DeNA Gel Stain

Applications

- Detection of nucleic acids in agarose gel
- Suitable for use in polyacrylamide gel

Features

- Capable of being stored at refrigerator temperature (4 degrees Celsius) for one year
- High-quality staining
- Non-mutagenic in the Ames test
- Compatible with all SAFE and UV transilluminators and all wavelengths
- Suitable and safe alternative to ethidium bromide staining
- Non-toxic, non-carcinogenic, and user-friendly during usage
- Easy to use in combination with agarose gel
- Suitable for visualizing RNA and DNA on agarose gel

DeNA Gel Stain

The DeNA Gel Stain offers a safer alternative to traditional ethidium bromide, minimizing health risks while maintaining high sensitivity for DNA detection.

With its superior staining efficiency and non-toxic formulation, our DeNA Gel Stain ensures reliable results without compromising safety.

Contact Us

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Molecular Biology Is Our Business