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Product Information

Version 1.1.02

A3222 - Loading Dye 5X (30% Glycerol)

Well suited for most DNA/RNA gels.

Description

Biomatik Electrophoresis Loading Dyes are designed to optimize loading DNA, RNA or Protein samples in agarose or acrylamide gels. All of our loading dyes feature our exclusive blend of three tracking dyes that make estimating sample migration easy and reliable; whether fragments are large, small or somewhere in between.

Dye #1 is a light blue dye that migrates slightly slower than Xylene Cyanol (This dye migrates at around 4,000 base pairs in 1% agarose).

Dye #2 is an indigo dye that migrates in a manner similar to Bromophenol Blue (The band is around 600 base pairs in 1% agarose).

Dye #3 is a magenta dye and is available nowhere else in this format (It migrates at 150 base pairs in 1% agarose).

Loading dyes serve three functions in electrophoresis. The dyes themselves migrate independently from the samples, allowing the user to estimate the migration of nucleic acids or proteins. Loading dyes impart color to the samples, which visually facilitates the loading process. Lastly, the loading dyes increase the density of the sample, which ensures even loading in the sample well.

Storage Condition

Store at 4°C.

Quality Assurance Statement

All Biomatik Electrophoresis Loading Dyes are tested for contaminating DNase, RNase and Protease activity and are sterile-filtered for long shelf life and stability. In addition, they are function-tested and guaranteed not to interfere with sample migration. Their ready-to-use format means no more exposure to potentially irritating and harmful powdered dyes.

**** This product is designed for laboratory research purpose only. Not for human or animal diagnostic and therapeutic use.***