

ELECTROPHORESIS LOADING DYES

for Acrylamide and Agarose Electrophoresis (E190, E269, E274)



AMRESCO 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 -- whether fragments are large, small or somewhere in between -- easy and reliable.

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. Last, the loading dyes increase the density of the sample, which ensures even loading in the sample well.

All AMRESCO 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.

Agarose & Non-Denaturing Acrylamide Electrophoresis

	Code	Size
6X Agarose Gel Loading Dye Contains 15% Ficoll in a special Tris dye. Ideal for DNA or RNA gels.	E190	5 ml
5X Glycerol Gel Loading Dye Contains 30% glycerol. Well suited for most DNA/RNA applications.	E269	1 ml 5 x 1 ml 5 ml
5X Sucrose Gel Loading Dye Contains 40% sucrose, for those who prefer a sucrose based dye.	E274	1 ml 5 x 1 ml 5 ml

SEE REVERSE SIDE FOR ADDITIONAL ORDERING INFORMATION



Denaturing Acrylamide Electrophoresis

	Code	Size
2X Protein Gel Loading Dye	E270	1 ml
Contains glycerol and SDS allowing excellent resolution of even the smallest and largest proteins.		5 x 1 ml
Add DTT to make a one-step denaturing and loading dye.		5 ml
3X Sequencing Gel Loading Dye	E268	1 ml
For use in DNA sequencing. Contains formamide for sample denaturing.		5 x 1 ml
		5 ml

Special Dye Blend

	Code	Size
25X Loading Dye base	E271	1 ml
For those who wish to create a custom loading dye.		5 x 1 ml
		5 ml