

## Gel Loading Dye, Orange (6X)

Catalog #	Size	Concentration	Price	Qty
B7022S	6 ml		\$43.00	<input type="text" value="1"/> 

Categories: [Buffer Products](#), [Gel Loading Buffers](#)

### Product Information

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### Description

Gel Loading Dye, Orange (6X) is a pre-mixed loading buffer with a tracking dye for agarose and non-denaturing polyacrylamide gel electrophoresis. This solution contains SDS, which often results in sharper bands, as some restriction enzymes are known to remain bound to their DNA substrates following cleavage. EDTA is also included to chelate magnesium (up to 10 mM) in enzymatic reactions, thereby stopping the reaction. Orange G will not appear in gel photographs, and runs ahead of all but the smallest restriction fragments. Orange G migrates at approximately 50 bp on a standard 1% TBE agarose gel.

### Properties and Usage

#### Storage Temperature

25°C

#### Buffer Components

2.5% Ficoll®-400  
11mM EDTA  
3.3mM Tris-HCl  
0.017% SDS  
0.15% Orange G  
pH 8.0@25°C

### Quality Control

#### Quality Assurance Statement

- \* Gel Loading Dye, Orange (6X) is assayed for contaminating endonuclease, exonuclease and RNase activity.


### Notes

1. Use 5 µl of Gel Loading Dye, Orange (6X) per 25 µl reaction, or 10 µl per 50 µl reaction. Mix well before loading gel.

### Supporting Documents


#### Material Safety Datasheets

The following is a list of Material Safety Data Sheets (MSDS) that apply to this product to help you use it safely. The following file naming structure is used to name these document files: [Product Name]MSDS. For international versions please contact us at [info@neb.com](mailto:info@neb.com).

-  [Gel Loading Dye, Orange \(6X\) MSDS](#)

#### Datcards

The Product Summary Sheet, or Data Card, includes details for how to use the product, as well as details of its formulation and quality controls. The following file naming structure is used to name the majority of these document files: [Catalog Number]Datashheet-Lot[Lot Number]. For those product lots not listed below, please contact NEB at [info@neb.com](mailto:info@neb.com) or fill out the [Technical Support Form](#) for appropriate document.

 [B7022Datashheet-Lot0011108](#)