

## Gel Loading Dye, Purple (6X)



1-800-632-7799  
info@neb.com  
www.neb.com



B7024S 012141117111

# B7024S

**4 ml** Lot: **0121411**  
**Store at 25°C** Exp: **11/17**

**Description:** Gel Loading Dye, Purple (6X) is a pre-mixed loading buffer which contains a combination of two dyes, Dye 1 (pink/red) and Dye 2 (blue). The red dye serves as the tracking dye for both agarose and non-denaturing polyacrylamide gel electrophoresis. The two dyes separate upon gel electrophoresis; the red band is the major indicator and migrates similarly to Bromophenol Blue on agarose gels. Specifically chosen, this dye does not leave a shadow under UV light. This solution contains SDS, which often results in sharper bands, as some restriction enzymes are

known to remain bound to DNA following cleavage. EDTA is also included to chelate magnesium (up to 10 mM) in enzymatic reactions, thereby stopping the reaction. The dye also contains Ficoll, which creates brighter and tighter bands when compared to glycerol loading dyes.

**1X Gel Loading Dye, Purple:** 2.5% Ficoll®-400, 10 mM EDTA, 3.3 mM Tris-HCl (pH 8.0 @ 25°C), 0.08% SDS and 0.02% Dye 1 and 0.0008% Dye 2.

**Storage Conditions:** Store at room temperature.

**Quality Assurance:** Gel Loading Dye, Purple (6X) is assayed for Non-Specific DNase Activity (16 hour), Exonuclease Activity (Radioactivity Release), Endonuclease Activity (Nicking) and RNase Activity (Extended Digestion).

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

**Attention SYBR® Safe and GelRed™ dye users:**

Due to an **increased** concentration of SDS in NEB #B7024, NEB recommends using Gel Loading Dye, Purple, No SDS (6X), NEB #B7025 instead.



NEW ENGLAND BIOLABS® is a registered trademark of New England Biolabs, Inc.

FICOLL® is a registered trademark of GE Healthcare.

SYBR® is a registered trademark of Life Technologies Corp.

GELRED™ is a trademark of Biotium.

CERTIFICATE OF ANALYSIS

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