

6× Gel Loading Dye, Three-Color

Cat. No.: M9061 **Size:** 1 ml × 5

For Research Use Only

Description

6× Gel Loading Dye, Three-Color is a pre-mixed loading buffer with three tracking dyes for agarose and non-denaturing polyacrylamide gel electrophoresis. EDTA is included to chelate magnesium (up to 10mM) in enzymatic reactions, thereby stopping the reaction. Bromophenol blue, xylene cyanol and orange G are the standard tracking dyes for electrophoresis.

Contents

10mM Tris-HCl (pH 7.6), 0.03% Xylene Cyanol FF, 0.03% Bromophenol Blue, 0.15% Orange G, 60% Glycerol, 60mM EDTA.

Application

Preparation of DNA ladders, markers and samples for loading on agarose or polyacrylamide gels.

Features

Three-color tracking of DNA migration during electrophoresis.

No DNA masking during gel exposure to UV light.

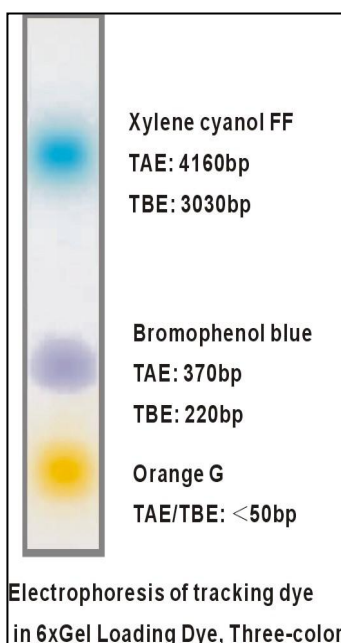
EDTA binds divalent metal ions and inhibits metal dependent nucleases.

Storage

Store at RT or at 4°C for up to 12 months. For longer periods, store at -20°C.

Quality Assurance Statement

Gel Loading Dye, Three-Color (6×) is assayed for absence of endonuclease, exonuclease and no RNase activity.



Usage Recommendations

- 1 Add 1 volume of 6X Gel Loading Dye, Three-Color (6×) to 5 volumes of DNA sample.
- 2 Mix well, spin down and load.