

6× Gel Loading Dye, SDS+

Cat. No.: M9081 **Size:** 1 ml × 5

For Research Use Only

Description

6× Gel Loading Dye, SDS+ is a pre-mixed loading buffer with two tracking dyes for agarose and non-denaturing polyacrylamide gel electrophoresis. This solution contains SDS, which often leads to sharper bands, as some restriction enzymes bound to DNA are lysed by SDS. EDTA is included to chelate magnesium (up to 10 mM) in enzymatic reactions, thereby stopping the reaction. Bromophenol blue and xylene cyanol are the standard tracking dye for electrophoresis

Contents

0.03% Xylene cyanol FF, 0.03% Bromophenol Blue, 1% SDS, 60% Glycerol, 100mM EDTA (pH 7.6, adjusted with Tris).

Application

Analysis of DNA samples with high amounts of DNA binding proteins. Kinetic experiments. DNA agarose gel analysis after DNA restriction digestions, ligation or dephosphorylation reactions.

Features

1% SDS eliminates DNA-protein interactions, prevents appearance of additional bands due to annealing of DNA molecules with cohesive ends.

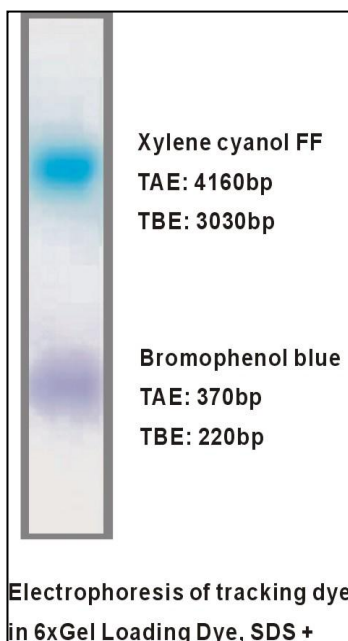
100 mM EDTA inhibits metal-dependent nucleases.

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, SDS+ (6×) is assayed for absence of endonuclease, exonuclease and no RNase activity.



Usage Recommendations

- 1 Add 1 volume of 6× Gel Loading Dye, SDS+ to 5 volumes of DNA sample.
- 2 Mix well, spin down and load.