Gel Loading Dye,SDS+

Description

6xGel Loading Dye, SDS+ is a pre-mixed loading buffer with two tracking dye for agarose and non-denaturing poylacrylamide gel electrophoresis. 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 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， 100 mM 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.

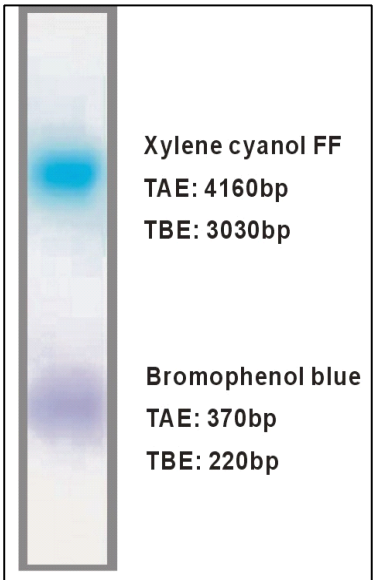
100 mM EDTA inhibits metal-dependent nucleases.

Storage

Store at RT .

Quality Assurance Statement

6x Gel Loading Dye, SDS+ is assayed for contaminating endonuclease, exonuclease and RNase activity



Electrophoresis of tracking dye in 6xGel Loading Dye, SDS +