

Loading Dye 6 x

For Research Use Only

Cat No : YT1506

Size: 1 ml

YTA Loading Dye (6×) is a mixer loading buffer with two tracking dyes for agarose and non-denaturing polyacrylamide gel electrophoresis. EDTA is also included to chelate magnesium (up to 10mM) in enzymatic reactions, so stopping the reaction. Bromophenol blue and xylene cyanol are used in this mixture as the standard tracking dyes for electrophoresis.

Contents :

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

Application :

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

Features :

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

Usage Recommendations

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