



CERTIFICATE OF ANALYSIS

6X TriTrack™ Loading Dye Solution

#R1161 5x1ml

Lot:

Store: at room temperature or at +4°C for periods up to 12 months.

For longer periods, store at -20°C.

In total 5 vials.

Description

The TriTrack™ 6X Loading Dye Solution is used to prepare DNA markers and samples for loading on agarose or polyacrylamide gels. The optimized solution contains three dyes: bromophenol blue, xylene cyanol FF and orange G for visual three-color tracking of DNA migration during electrophoresis. The presence of glycerol in the solution ensures that the same sample forms a layer at the bottom of the well; the EDTA included in the solution binds divalent metal ions and inhibits metal dependent nucleases.

Composition

10mM Tris-HCl (pH 7.6)
0.03% bromophenol blue
0.03% xylene cyanol FF
0.15% orange G
60% glycerol
60mM EDTA.

Usage Recommendations

- ➊ Add 1 volume of 6X Loading Dye Solution to 5 volumes of DNA sample.
- ➋ Mix well, spin down and load.

Note

In 1% agarose gels bromophenol blue co-migrates with ~300 bp DNA, while xylene cyanol FF co-migrates with ~4000 bp DNA. Orange G co-migrates with smallest fragments, i.e. ~50 bp.

QUALITY CONTROL

Tested for DNA sample preparation prior to agarose gel electrophoresis.

Quality authorized by:

 Jurgita Zilinskiene

PRODUCT USE LIMITATION.

This product is developed, designed and sold exclusively for research purposes and in vitro use only. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.

Please refer to www.fermentas.com for Material Safety Data Sheet of the product.