

# 6× Gel Loading Dye, Orange

**Cat. No.:** M9071     **Size:** 1 ml × 5

**For Research Use Only**

## Description

6× Gel Loading Dye, Orange is a pre-mixed loading buffer with two 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. Xylene cyanol and Orange G are the standard tracking dyes for electrophoresis.

## Contents

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

## Application

Analysis of large DNA molecules. 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.

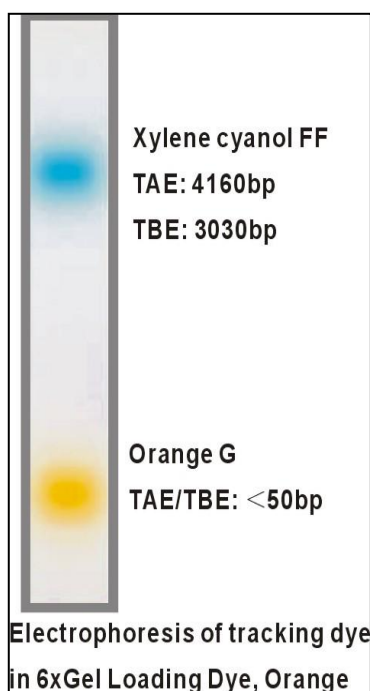
EDTA binds divalent metal ions and inhibits metal dependent nucleases.

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



## Usage Recommendations

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