



Gene to Protein Pvt. Ltd.

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800 GENOME, 800 GENETIC

6X DNA Loading Dye



Cat# PCR12

Pack Size: 1 ml

Storage: Short term storage room temperature; long term storage -20°C

Note: Store at -20°C upon arrival

Introduction

6X Loading Dye is a ready-to-use solution used for loading and tracking DNA and RNA samples during gel electrophoresis. It contains tracking dyes and a density agent which helps to monitor the progress of electrophoresis and to visualize the sample migration on the gel. The loading dye also contains a buffer that helps to maintain a stable pH throughout the electrophoresis run.

Protocol

1. Mix the sample with 6X Loading Dye in a 1:5 ratio (1 part sample to 5 parts 6X Loading Dye) before loading onto the gel.

Component	Volume for 10 μ l of loading mixture
DNA Sample	x μ l
6X DNA Loading Dye (PCR12)	1.67 μ l
MQ Water	10 - x - 1.67 μ l

2. Load the mixture onto the gel.
3. Run the gel under standard electrophoresis conditions.
4. Visualize the gel using appropriate staining techniques.

Component

- Blue dye
- Yellow dye
- Glycerol 30%
- Tris-HCl
- EDTA

Physical Properties:

- Appearance: Blue Liquid
- Density (6X concentration): 1.1 g/ml

