

6x Green Loading Dye Product Information

Pre-Mixed Loading Buffer

Introduction

GoldBio's 6x Green DNA Loading Dye is a pre-mixed buffer for tracking DNA samples during the electrophoresis on agarose or polyacrylamide gels. It contains two dyes (Xylene cyanol FF and Orange G) for tracking the DNA migration. The Xylene cyanol FF and Orange G migrate at approximately 4,000 bp and 50 bp on a standard 1% TAE agarose gel respectively (800 bp and 30 bp on a 2% TAE agarose gel respectively). The included glycerol keeps the DNA at the bottom of the well and the presence of EDTA chelates divalent metal ions to prevent the process of metal-dependent nuclease.

Materials

6X Green Loading Dye ([Catalog # L001](#))

Storage/Handling

- May be stored at 4°C for up to 12 months.
- May be stored at -20°C for up to 36 months.

Preparation – Working Solution

Dilute 1 µl of 6X loading dye for every 5 µl of DNA sample.

Composition

- 0.03% Xylene cyanol FF
- 0.15% Orange G
- 10mM Tris-HCl (pH 8.0)
- 60% glycerol
- 60mM EDTA

