



## TrackIt™ Cyan/Orange Loading Buffer

Cat. No. 10482-028

Size: 3 x 0.5 ml

Store at room temperature

### Introduction

The TrackIt™ Cyan/Orange Loading Buffer is a 6X solution containing all components required for easy loading and tracking of DNA samples in agarose gels. **The TrackIt™ Cyan/Orange Loading Buffer is recommended for DNA fragments between 10 bp-1 kb.**

The TrackIt™ Cyan/Orange Loading Buffer is formulated with unique tracking dyes, Xylene Cyanol FF (XCFF) and Orange G that allow you to visually track DNA migration during electrophoresis and also indicate when maximum resolution is achieved. The tracking dyes do not obscure the visualization of DNA bands in the ladder as the dyes run outside the limits of most DNA bands in the ladder.

The buffer is designed for use with TBE/TAE agarose gels and E-Gel® agarose gels but not with polyacrylamide gels.

### Specifications

Composition (6X): 60 mM Tris-HCl, pH 7.5; 60 mM EDTA, pH 8.0; 0.36% XCFF; 2.4% Orange G; 30% glycerol

Storage: Store at room temperature

Stability: 6 months at room temperature

Part No. 10482028.pps

Rev. Date: 12 Nov 2003

This product is distributed for laboratory research only. CAUTION: Not for diagnostic use. The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

For technical questions about this product, call the Invitrogen Tech-Line® U.S.A. 800 955 6288

**Directions**

Prepare your DNA samples in TrackIt™ Cyan/Orange Loading Buffer as described below.

**TAE/TBE Agarose Gel**

TrackIt™ Cyan/Orange Loading Buffer (6X)	3.3 µl
DNA Sample	x µl
Deionized Water	to 20 µl

**E-Gel® Agarose Gel**

Prepare a 1:10 dilution of the TrackIt™ Cyan/Orange Loading Buffer (6X) in deionized water. Use the diluted buffer to prepare samples for E-Gel® agarose gels as described below.

TrackIt™ Cyan/Orange Loading Buffer (1:10 diluted)	3.3 µl
DNA Sample	x µl
Deionized Water	to 20 µl

**Note:** You may store the 1:10 diluted TrackIt™ Cyan/Orange Loading Buffer at room temperature.

**Product Qualification**

The TrackIt™ Cyan/Orange Loading Buffer is qualified by refractive index and density measurements. The buffer must meet the set specifications.

©2003 Invitrogen Corporation. All rights reserved.