

DATA SHEET

Version: 2

Revision date: 10/04/23

1. Identification

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|---------------------|-----------------------------|
| Product name | 6X OX/Loading Buffer |
| | 5 x 1 mL |
| Cat. No | L0032 |

2. Description

6X OX/Loading Buffer is used as a loading dye for visual tracking of DNA migration during electrophoresis. It contains Orange G and Xylene Cyanol FF as tracking dye. Orange G migrates comparatively very fast and corresponds to the migration of 50 bp long DNA fragment in 1% agarose gel. Xylene cyanol FF migrates comparatively slow and corresponds to the migration of 4000 - 5000 bp long DNA fragment in 1% agarose gel. The EDTA is included in the solution to protect sample from nuclease degradation. Glycerol is added to provide high density to solution. Due to high density, sample settled at the bottom of the well. It also helps DNA sample to be confined in the well without diffusing out from the well.



3. Concentration

0.15% orange G, 0.03% xylene cyanol FF, 60% Glycerol, 10 mM Tris-HCl (pH 7.5) and 60 mM EDTA.

4. Shipping and Storage specifications

Store the solution at -20 °C for long time. Solution can be stored at 2 – 8 °C for few weeks.

5 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, and is not suitable for administration to humans or animals. Please refer to www.canvaxbiotech.com for the Material Safety Data Sheet of the product.

