

DATA SHEET

Version: 2
Revision date: 10/04/2023

1. Identification

Product name	6X BX/Loading buffer
	5 x 1 mL
Cat. No	L0030

2. Description

6X BX/loading buffer is used as a loading dye for visual tracking of DNA migration during electrophoresis. It contains Bromophenol blue and Xylene Cyanol FF as tracking dye. Bromophenol blue migrates fast in the agarose gel and corresponds to the migration of 300 - 500 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

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

4. Storage

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

5. Further information

Product Use Limitations	This product is developed, designed and sold exclusively only for research purposes use. The product was not tested for use in diagnostics or for drug development, nor is it suitable for administration to humans or animals.
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