



GRS DNA Loading Buffer Blue (6X)

GLB01.0001 – 1x 1ml

GLB01.0501 – 5x 1ml



GRS DNA Loading Buffer Blue (6X) is a pre-mixed Loading Buffer for Agarose and Polyacrylamide gel electrophoresis, containing Bromophenol Blue and Xylene Cyanol FF as tracking dyes. EDTA is included to chelate Magnesium (up to 10 mM), stopping enzymatic reactions.

Contents

Solution of 10mM Tris-HCl pH 7,6; 60mM EDTA; 0,03% Bromophenol Blue; 0,03% Xylene Cyanol FF; 60% Glycerol.

Applications

Preparation of DNA samples and markers for loading onto agarose and polyacrylamide gels. This Loading Buffer is a 6X concentrate: add 1µl of GRS DNA Loading Buffer Blue per 5 µl of DNA sample.

Dye Migration

Migration of the tracking dyes depend on the type of gel, concentration of the gel and the electrophoresis buffer. For example, on a 1% agarose gel the tracking dyes co-migrate with DNA fragments of the following sizes:

Xylene Cyanol FF

TAE: ~ 6kb

TBE: ~ 4kb

SGTB: ~ 10kb

Bromophenol Blue

TAE: ~ 500bp

TBE: ~ 400bp

SGTB: ~ 125bp

Specifications

Free of DNAses and RNAses.

Quality Control

Absence of endodeoxyribonucleases, exodeoxyribonucleases, and ribonucleases was confirmed by appropriate assays.

Storage

Store at room temperature for up to 18 months. For longer storage, store at +4°C or -20°C.

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