

GRS DNA Loading Buffer Blue (6X)#GLB01.0001 (1ml) | GLB01.0501 (5x 1ml) | GLB01.2001 (20x 1ml)
(FOR RESEARCH ONLY)

- Product:** GRS DNA Loading Buffer Blue (6X) is a pre-mixed Loading Buffer for Agarose and Polyacrylamide gel electrophoresis, containing Bromophenol Blue as tracking dye. The composition is: 10mM Tris-HCl pH 7.6, 60mM EDTA, 0.03% Bromophenol Blue and 60% Glycerol. EDTA is included to chelate Magnesium (up to 10 mM), stopping enzymatic reactions.
- Usage:** Before loading a DNA sample onto a gel, add GRS DNA Loading Buffer Blue (6X) to the DNA sample in a ratio of 1:5 (e.g. 1µl of Loading Buffer to 5µl of DNA sample), so the buffers final concentration is 1X.



Applications: DNA Agarose Electrophoresis.

Contents: #GLB01.0001 contains 1x1ml of GRS DNA Loading Buffer Blue (6X)
#GLB01.0501 contains 5x1ml of GRS DNA Loading Buffer Blue (6X)
#GLB01.2001 contains 20x1ml of GRS DNA Loading Buffer Blue (6X)

Tracking dyes 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

Buffer	Bromophenol Blue
TAE	~500bp
TBE	~400bp
VOLTage Fast	~125bp

Specification: Free of DNases and RNases

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

Storage: Stable at room temperature or +4°C for at least 12 months. For long-time preservation store at -20°C. Do not heat before loading.