

## GRS DNA Loading Buffer Blue (6X)

#GLB01.0001 (1ml) | GB01.0501 (5x 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 and Xylene Cyanol FF as tracking dyes. The composition is: 10mM Tris-HCl pH 7.6, 60mM EDTA, 0.03% Bromophenol Blue, 0.03% Xylene Cyanol FF 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)

**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	Xylene Cyanol FF	Bromophenol Blue
TAE	~6kb	~500bp
TBE	~4kb	~400bp
SGTB	~10kb	~125bp

**Specification:** Free of DNases and RNases

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

**Storage:** Stable at room temperature for at least 18 months. For long-time preservation store at +4°C or -20°C. Do not heat before loading.