GRS DNA Loading Buffer Green (6X)

#GLB02.0001 (1ml) | GLB02.0501 (5x 1ml) | GLB02.2001 (20x 1ml)
(FOR RESEARCH ONLY)

Product: GRS DNA Loading Buffer Green (6X) is a pre-mixed Loading Buffer for Agarose and Polyacrylamide gel electrophoresis, containing Xylene Cyanol FF and Orange G as tracking dyes. The composition is: 10mM Tris-HCl pH 7.6, 60mM EDTA, 0.03% Xylene Cyanol FF, 0.15% Orange G 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 Green (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:
#GLB02.0001 contains 1x1ml of GRS DNA Loading Buffer Green (6X)
#GLB02.0501 contains 5x1ml of GRS DNA Loading Buffer Green (6X)
#GLB02.2001 contains 20x1ml of GRS DNA Loading Buffer Green (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 1.5% agarose gel, the tracking dyes co-migrate with DNA fragments of the following sizes

Buffer	Xylene Cyanol FF	Orange G
TAE	~2.8 kb	~50bp
TBE	~1.8 kb	~50bp
VOLTage Fast	~900 bp	<40bp

Specification: Free of DNases and RNases

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

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