

## Product Information

### Laemmli Buffer (2X)

Catalogue Number: GBPLB01

## General Information

Laemmli Buffer (2X) is a widely used sample loading buffer for SDS-PAGE, enabling efficient protein denaturation and accurate electrophoretic separation. This buffer, formulated with Tris-HCl, glycerol, SDS, bromophenol blue, and a reducing agent like  $\beta$ -mercaptoethanol or DTT, ensures proper protein solubilization, disulfide bond reduction, and sample tracking during electrophoresis. We offers high-quality Laemmli Buffer (2X) tailored to deliver consistent results for protein research and analysis, with a commitment to stringent quality control and reproducibility for laboratory workflows.

## Product Specification

Appearance	: Clear, Deep blue liquid
Storage & Shelf Life	: Store at -20°C and use within 12 months.
Shipping Conditions	: Ambient
pH	: 6.8
Concentration	: 2X
Stability of DTT	: Stable for immediate use

## Formulation

Components	Concentration mg/ml
Tris-HCl (125 mM, pH 6.8)	91 mg
Glycerol 20% v/v)	1.2 mL
SDS (4% w/v)	240 mg
Bromophenol Blue (0.02% (w/v))	1.2 mg
DTT (Dithiothreitol)** (100 mM)	93 mg

**For Research Use Only**

## Need help?

If you have any further queries, please feel free to email our cell culture specialists at [info@genexisbiotech.com](mailto:info@genexisbiotech.com)

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