

Product Information

Protein loading buffer (Reducing) (5X)

Catalogue Number: GBPPLB02

General Information

The Protein Loading Buffer (Reducing, 5X) is designed to prepare protein samples for SDS-PAGE, ensuring complete denaturation and reduction of disulfide bonds. This allows accurate analysis of protein molecular weights and ensures optimal resolution in electrophoresis. Its reducing properties make it suitable for most denaturing protein studies.

Product Specification

Appearance	: Clear, blue-colored solution
Storage & Shelf Life (without DTT)	: Store at -20°C and use within 12 months.
Shipping Conditions	: Ambient
pH	: 6.8
Concentration	: 5X
Reducing Agent	: DTT (200 mM)

Formulation

Components	Concentration mg/ml
Tris-HCl (250mM, pH 6.8)	151 mg
SDS (10% w/v)	500 mg
Glycerol (50% v/v)	2.5 mL
Bromophenol Blue (0.05% (w/v))	2.5 mg
DTT (Dithiothreitol)** (200 mM)	0.154 g

Note: DTT should be added fresh before use, as it is unstable over time.

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

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