

Molecular Biology Grade Tris-Glycine Buffer

Product	Con.	Cat#	Size
Tris-Glycine Buffer w/o SDS	10X	IBS-BT029	1 L
	10X	IBS-BT029-1	5 L

Components : 1X Tris-Glycine Buffer contains Tris 25 mM, Glycine 192 mM

Form / Storage : Ready to use liquid. Store tightly capped at room temperature. Stable for a minimum 1 year from date of receipt at room temperature.

Information : 10X Tris-glycine Buffer is intended for Western blotting and gel electrophoresis. It is ideal for preparing a standard Western blot transfer buffer and for use as a gel electrophoresis buffer for native Tris-glycine gel without SDS.

pH=8.3. Conductivity controlled. The product is shipped and stored at ambient temperature.

Reconstitution : Dilution of the 10X TG buffer produces a 1X transfer buffer containing 25 mM Tris, 192 mM glycine, pH approx. 8.3. and added methanol

Description : Tris-glycine buffer is used to make a Tris-glycine-methanol transfer buffer, which is the most common protein transfer buffer for wet blot transfers. The methanol prevents the gel from swelling during the transfer and enhances the protein binding to nitrocellulose. The 10X Tris-glycine buffer is diluted to 1X with methanol and water to make a solution containing 25 mM Tris, 192 mM glycine, and 20% methanol. A sufficient amount of transfer buffer should be made to cover the electrode wires in the wet blot transfer unit and to soak the gel, membrane and blotting paper. 125 V (constant) for 1 hr is usually sufficient for complete transfer in the Towbin's buffer. Make sure that the power supply used will handle the high currents (greater than 300 mA) produced during the transfer. Cooling during the transfer is recommended to dissipate the heat generated.

Related Products

Acrylamide-Bis solution

5X SDS-PAGE Loading buffer

10X Tris-Glycine-SDS Buffer(w/ SDS)