

# Molecular Biology Grade Tris-Glycine-SDS Buffer

Product	Con.	Cat#	Size
Tris-Glycine Buffer w/ SDS	10X	IBS-BT014	1 L
	10X	IBS-BT014-1	5 L

**Components :** Tris 0.025M, Glycine 0.192M, SDS 1%

**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.

**Application :** Tris-Glycine SDS(TGS) buffer is the most commonly used buffer for SDS-PAGE (sodium dodecyl sulfate-polyacrylamide gel electrophoresis) of proteins.

TGS is usually used for both the anode buffer and the cathode buffer. Recommended running conditions is 200-250 volts for mini vertical gel electrophoresis units.

**Reconstitution :** Dilution of the 10X TGS buffer produces a 1X running buffer containing 25 mM Tris, 192 mM glycine and 0.1% SDS, pH approx. 8.3.

## Protocol :

1. Dilute 10X Tris-Glycine SDS Running Buffer to 1X in distilled water.
2. Prepare samples in 5X SDS-PAGE loading Buffer.
3. Electrophorese the gel at 200-250 volts until the dye front is near the bottom of the gel (approximately 40 minutes).

Voltage will depend on the buffer capacity of the chamber. Smaller buffer capacity chambers should be run at the low end of the voltage range.

## Related Products

Acrylamide-Bis solution

5X SDS-PAGE Loading buffer

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