



revised: 26-02-2014
printed: 21-03-2014

TG Buffer (10X) (Tris-Glycine, 10x concentrated buffer)

GB13.0110 – 1L
GB13.0510 – 5L

(FOR RESEARCH ONLY)

Product Description

TG (Tris-Glycine) is a common buffer used for non-denaturing (native) – polyacrylamide gel electrophoresis of proteins and/or Western Blotting. TG Buffer (10X) is an aqueous solutions of 0,25M Tris and 1,92M glycine, prepared with ultrapure water, and 0.2 µm filtered.

Usage

The working concentration is 1X TG. Prepare 1L TG Buffer (1X) by mixing 100ml of the 10x concentrated buffer with 900ml of ddH₂O. A 1X TG buffer consists of 25 mM Tris and 192 mM glycine at pH 8.3. In polyacrylamide gel electrophoresis, TG is used as both anode and cathode buffer. Recommended running conditions for a mini vertical electrophoresis unit are 50V and 150V for stacking and running gel, respectively.

Storage

TG Buffer (10X) should be stored at room temperature and is stable for up to one year.

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