

TG Buffer (10X)
(Tris-Glycine, 10x concentrated)
#GB13.0110 (1L) | GB13.0510 (5L)
(FOR RESEARCH ONLY)



Product: 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 solution of 0.25M Tris and 1.92M glycine, prepared with ultrapure water, and 0.2 µm filtered.

Applications: Protein Electrophoresis (PAGE)¹

Quantity: #GB13.0110 contains 1L of a 10x concentrated TG Buffer
#GB13.0510 contains 5L of a 10x concentrated TG Buffer

Appearance: Clear colourless liquid

Storage: TG Buffer (10x) should be used at room temperature

Bibliography:
1. Laemmli, UK (1970) *Nature* **227**: 680-685

Prior to use

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.

Usage

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.