

# Data sheet

## Tris-Glycine Buffer pH 8.3

Cat. No: BR050 → 1 pouch (1000 mL/pouch)

Cat. No: BR051 → 5 pouch (1000 ml/pouch)

Cat. No: BR055 → 1L ( 10X Solution)

### Introduction

Tris-glycine buffer (TG) is the most common running buffer in native (non-denaturing) homogeneous and gradient poly-acrylamide gel electrophoresis (PAGE) of proteins. Tris-glycine gels resolve proteins by size. However, very small proteins and peptides do not resolve well due to interference from the glycine/pH discontinuity front.

TG buffer is also used to make Tris-glycine/20% methanol Western transfer buffer, which is the most frequently used protein transfer buffer for wet blot transfers.

### Applications

- Protein electrophoresis
- Denatured protein electrophoresis
- Polyacrylamide gel electrophoresis
- Western blotting

### Specifications

Chemicals: Analytical grade.

Format: Exactly pre-weighed powder.

: 10X Solution.

Volume: 1000 ml/pouch.

: 1L , 10X Solution

Concentration: 0.025 M Tris, 0.192 M glycine

pH:  $8.3 \pm 0.2$  at 25°C

### Shipping and storage

The TG buffer is shipped at room temperature. Store the pouches in a dry place at room temperature.

### Directions for use

- Empty one pouch of the TG buffer in a laboratory flask or beaker placed on a magnetic stirrer. Add deionized water and stir the solution for a few minutes. Adjust the volume up to 1000 ml, stir until full dissolution and the buffer solution is ready to use.
- Dilute 10x solutions 10:1 to make a 1x working solution.

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