

## 10X Tris-Glycine Buffer, pH 8.3

<b>Product Name</b>	<b>Product Code</b>	<b>Kit Packing</b>
10X Tris-Glycine Buffer, pH 8.3	ML056-200 ML ML056-1L	200 ML 1lt

**Introduction:** 10X Tris-Glycine Buffer, pH 8.3 is commonly used as a electrophoresis buffer in native polyacrylamide gel electrophoresis. This buffer is also used to prepare Tris-glycine-methanol transfer buffer during western blotting procedure. This buffer is supplied as a 10X stock and should be diluted to 1X before use.

**Description:** 10X Tris-Glycine Buffer, pH 8.3 is formulated for use in preparing gel electrophoresis buffer for native PAGE as this buffer does not contain SDS. This buffer is very convenient to use as it has to be only diluted to 1X with distilled water before performing electrophoresis. 10X Tris-Glycine Buffer is also used to prepare Tris-glycine-methanol transfer buffer for blotting of protein samples on the nitrocellulose membranes during western blotting. This 10X concentrated buffer is diluted to 1X with methanol and water to make a solution containing 20% methanol for western transfer procedure. Methanol is required to prevent the gel from swelling during the transfer and enhances the binding of protein samples to nitrocellulose.

**Application:** 10X Tris-Glycine Buffer, pH 8.3 is used in native polyacrylamide gel electrophoresis of proteins and during the electrotransfer of protein samples from the polyacrylamide gels to the nitrocellulose membrane.

**Composition:** 10X Tris-Glycine Buffer, pH 8.3 is composed of 0.25 M Tris and 1.92 M Glycine and the pH is adjusted to 8.3.

### Properties:

Appearance	: Colorless solution
Clarity	: Clear and free of particles
pH	: 8.2 - 8.4
DNase & RNase	: None detected
Bioburden	: None detected
Suitability test	: This solution has been tested and is suitable for use for native electrophoresis and transfer of protein samples from acrylamide gel to nitrocellulose membrane.

**Storage conditions:** 10X Tris-Glycine Buffer, pH 8.3 has to be stored at 15 - 25° C.

### Technical Assistance:

At HiMedia we pride ourselves on the quality and availability of our technical support. For any kind of technical assistance, mail at [mb@himedialabs.com](mailto:mb@himedialabs.com).

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