

10X Tris-Glycine Buffer, pH 8.3

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
10X Tris-Glycine Buffer, pH 8.3	ML056-200ML	200ml
	ML056-1L	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
Sterility	: No Bacterial or Fungal growth observed after 14 days of incubation as per USP Specifications
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.

Please refer disclaimer Overleaf.

Storage conditions:

10X Tris-Glycine Buffer, pH 8.3 has to be stored at 15-25° C. Under recommended condition, the reagent is stable for 12 months.

Warning and Precautions

Not for Medicinal Use. Read the SDS carefully before beginning the protocol. Tris buffer may causes irritation to eyes and skin. Wear protective gloves/protective clothing/eye protection/face protection. Follow good clinical laboratory practices while handling clinical samples. Standard precautions should be followed as per established guidelines. Safety guidelines may be referred in safety data sheets of the product.

Performance and Evaluation

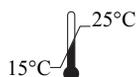
Performance of the solution is expected when the solution is stored at recommended temperature and within the expiry period.

Safety Information

The 10X Tris-Glycine Buffer, pH 8.3 is for laboratory use only, not for drug, household or other uses. Take appropriate laboratory safety measures and wear gloves and safety goggles when handling. Not compatible with disinfecting agents containing bleach. Please refer the Safety Data Sheet (SDS) for information regarding hazards and safe handling practices.

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.



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Private Limited,
Reg. Off: Plot No. C-40, Road No. 21Y,
MIDC, Wagle Industrial Area, Thane,
(West) 400604, Maharashtra, INDIA.
Web: www.himedialabs.com



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HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: techhelp@himedialabs.com Website: www.himedialabs.com