

## 10X Transfer Buffer

<b>Product Name</b>	<b>Product Code</b>	<b>Kit Packing</b>
10X Transfer Buffer	ML043-2X500 ML ML043-10X500 ML	2X500 ML 10X 500 ML

**Introduction:** 10X Transfer Buffer is mainly used to transfer proteins from polyacrylamide gels to nitrocellulose or PVDF (Polyvinylidene fluoride) membranes during Western blotting procedure which uses antibodies to identify specific protein targets bound to the membrane. to transfer proteins onto a membrane (PVDF/Nitrocellulose) for Western blot. This buffer is supplied as a 10X stock.

**Description:** Western blotting procedure was first introduced by Towbin in 1979 and has become a routine process for protein analysis. The first step of this procedure is to separate the protein samples according to their size by SDS-PAGE. Later the separated proteins are transferred onto a solid support which is usually nitrocellulose or PVDF membrane. During this procedure the gel is assembled in such a way that the proteins will be transferred from the gel itself to the membrane. In order to add electricity to the system, some liquid buffer must be used to carry the current. The electrical current forces the proteins out of the gel and onto the membrane. The components of the transfer buffer help the protein to migrate from the gel and adhere to the membrane.

**Application:** 10X Transfer Buffer is used for the electrotransfer of protein samples form the polyacrylamide gels to the nitrocellulose/PVDF membrane.

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

**Preparatory Instruction:** To make 1X Transfer Buffer from 10X mix 100 ml of 10X Transfer Buffer, 100 ml of methanol and 800 ml of double distilled water per liter prior to usage.

### 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 transfer of protein samples from acrylamide gel to nitrocellulose/PVDF membrane.

**Storage conditions:** 10X Transfer Buffer has to be stored at 2 - 8<sup>o</sup> 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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ML043-00



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