

## 10X TBS, Molecular Biology Grade

Product Name 10X TBS, Molecular Biology Grade

Product Code ML029-5X100ML ML029-2X500 ML ML029-6X500 ML Kit Packing 5X100 ml 2X 500ml 6X500ml

**Introduction:** Tris Buffered Saline (TBS) is a common buffer extensively used in molecular biology and biochemistry as it can maintain pH and osmolority. 10X TBS, Molecular Biology is a concentrated form and has to be diluted to 1X concentration before usage.

**Description:** 10X TBS is a water-based salt solution containing Sodium chloride, Sodium phosphate and Potassium phosphate. This solution is extensively used for dilution and washing during various biological applications as it maintains the physiological pH and osmolarity. The phosphate groups of this buffer help to maintain a constant pH. The 10X buffer should be diluted to 1X (using nuclease free sterile water) prior to use.

**Application:** 10X TBS is widely used in molecular biology and biochemistry as dilution and wash buffer as it is isotonic and non-toxic. It is used to maintain the pH within a narrow range. It is also used as a wash solution and for diluting antibodies during western blotting and immunohistochemical staining. While preparing wash solutions some times Tween20 is also added.

Composition: 10X TBS is composed of 150 mM Sodium chloride, 2 mM Potassium chloride and 25 mM Tris.

## **Properties:**

Appearance	:	Colorless solution
Clarity	:	Clear and free of particles
рН	:	7.4 - 7.6
DNase	:	None detected
Bioburden	:	None detected
Suitability Test		This reagent has been tested and is suitable for use in various molecular biology applications

Storage conditions: 10X TBS, Molecular Biology Grade has to be stored at room temperature (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.



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