

10X TBS, Molecular Biology Grade

<u>Product Name</u>	<u>Product Code</u>	<u>Kit Packing</u>
10X TBS, Molecular Biology Grade	ML029-5X100ML	5X100 ml
	ML029-2X500 ML	2X 500ml
	ML029-6X500 ML	6X500ml

Introduction: Tris Buffered Saline (TBS) is a common buffer extensively used in molecular biology and biochemistry as it can maintain pH and osmolarity. 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
pH	: 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

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