

TBS buffer (powder)

Introduction

TBS is an isotonic buffer saline solution commonly used in biology, primarily employed in immunohistochemistry, in situ hybridization, enzyme-linked immunoassays, and immunoblotting experiments. It is often used as a washing buffer, as well as for antibody dilution and preparation of blocking solutions.

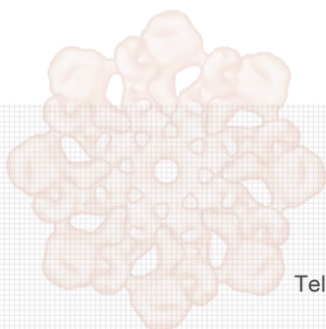
This product consists of white instant granules. Each bag of TBS instant granules can be used to prepare 1 L of 1× TBS buffer, offering easy operation and convenient use. The main components of TBS are sodium chloride, potassium chloride, and Tris buffer salt. In 1× TBS buffer, the concentration of sodium chloride is 137 mM, the concentration of potassium chloride is 2.7 mM, and the concentration of Tris buffer salt is 25 mM.

Protocol

1. Add about 600 mL of distilled water to a beaker and place a magnetic stir bar inside.
2. Place the beaker on a magnetic stirrer, slowly add the entire contents of one bag of TBS instant granules, and stir until completely dissolved.
3. Bring the TBS solution from step 2 to a final volume of 1 L with distilled water to obtain 1× TBS buffer.

Note

1. The pH value of the solution after being prepared as 1× is 7.4 ± 0.15 at 25°C.
2. This product is for scientific use only.



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