

TBS-T buffer (powder)

Introduction

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

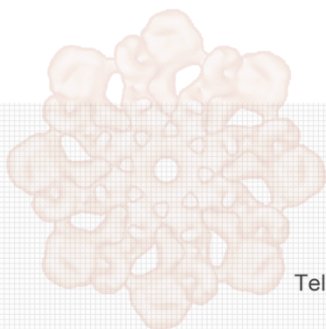
This product consists of white instant granules. Each bag of TBS-T instant granules can be used to prepare 1 L of 1× TBS-T buffer, offering easy operation and convenient use. The main components of TBS-T are sodium chloride, potassium chloride, Tris buffer salt, and Tween-20. In 1× TBS-T buffer, the concentration of sodium chloride is 137 mM, the concentration of potassium chloride is 2.7 mM, the concentration of Tris buffer salt is 25 mM, and the content of Tween-20 is 0.05%.

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-T instant granules, and stir until completely dissolved.
3. Bring the PBS solution from step 2 to a final volume of 1 L with distilled water to obtain 1× TBS-T 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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