

# Instant TBS Buffer

Catalog Number: EXBR043



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For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

## Product Description

Instant TBS Buffer simplifies preparation of Tris-buffered Saline (TBS) buffer with easy to dissolve powder granules to prepare a 1 Liter, 1X working solution. It does not require additional calculations or pH adjustments to help reduce errors and maintain consistent buffer preparation.

The 1X solution is 137 mM sodium chloride, 2.7 mM potassium chloride, and 25 mM Tris (pH 7.4±0.2 at 25°C). TBS buffer is a commonly used buffer for immunohistochemistry (IHC), *in situ* hybridization, ELISA and Western blotting, along with preparation of blocking buffer, antibody dilution and wash buffer.

Available sizes: 20 Pack or 100 Pack.

## Limitations

- For Research Use Only. Not Intended for Diagnostic or Therapeutic Use.

## Precautions

- Always wear appropriate protective clothing and follow safe laboratory procedures.

## Storage

Store unopened packs at 10-30°C for up to 36 months.

## Preparation of Reagents

1. Transfer instant powder granules from 1 packet of Instant TBS Buffer to a beaker.
2. Pre-dissolve the granules by slowly adding 500 mL distilled or deionized water to the beaker, allowing the 1-5 minutes for the granules to completely dissolve while gently stirring with a stirring rod or magnetic stir bar.
3. Transfer the dissolved solution to a volumetric flask and bring up the volume to 1000 mL by adding distilled or deionized water, which is a 1X working solution.