

# Tris-buffered saline (TBS)

## pH 8.0

Product	Catalog No.	Package size
10X Tris-buffered saline (pH 8.0) (1000 mL/bag)	61228	10 bags

### Product description

TBS is isotonic and non-toxic to cells and is suitable for molecular biology. The buffer is commonly used as substance diluent or as wash buffer in immunoassays such as ELISA. It is used in immuno-histochemical staining when the background is high and for diluting alkaline phosphatase or peroxidase-conjugated antibodies in Western blotting. TBS buffer is supplied as pre-weighed powder in sealed bags. The contents of 1 bag give 1000mL of buffer solution in the composition shown below.

### Product Specifications

Chemicals	Analytical grade
Format	Pre-weighed powder
Composition	0.500M TBS 1.380M NaCl 0.027M KCl
Volume	1000 mL
pH (25°C)	8.0 ± 0.05
Shelf life	Three years after production date

### Applications

- Immunoassays
- Immuno-histochemical procedures
- Microbiological procedures
- Tissue and cell culture procedures
- Sample dilution
- Blocking buffer for plate based assays
- Wash buffer in immunoassays, for example ELISA and Western blotting

### Product Use

Empty 1 bag into a laboratory flask or beaker placed on a magnetic stirrer. Add 700mL of deionized water and stir the solution for a few minutes. Adjust the volume to 1000 mL and stir until fully dissolved. The buffer is ready to use.

### Stability

TBS buffer is shipped at room temperature. Store the bags in a dry place at room temperature. Shelf life is three years after production date.

### **Tips and tricks**

If the contents of the bag do not dissolve properly, make sure:

- the water temperature is 25°C (do not exceed this temperature)
- the buffer solution is properly stirred.

Sterilization can be performed by filtration or autoclaving. Filter the buffer solution through a 0.22 µm filter into a sterile flask or autoclave for 15 to 20 minutes. Keep the buffer solution at +4°C.

### **Safety information**

When working with chemicals, always wear a suitable lab coat, disposable gloves, and protective goggles. For more information, please consult the appropriate material safety data sheets (MSDSs). These are available online as pdf-file or upon request ([contact@cube-biotech.com](mailto:contact@cube-biotech.com)).