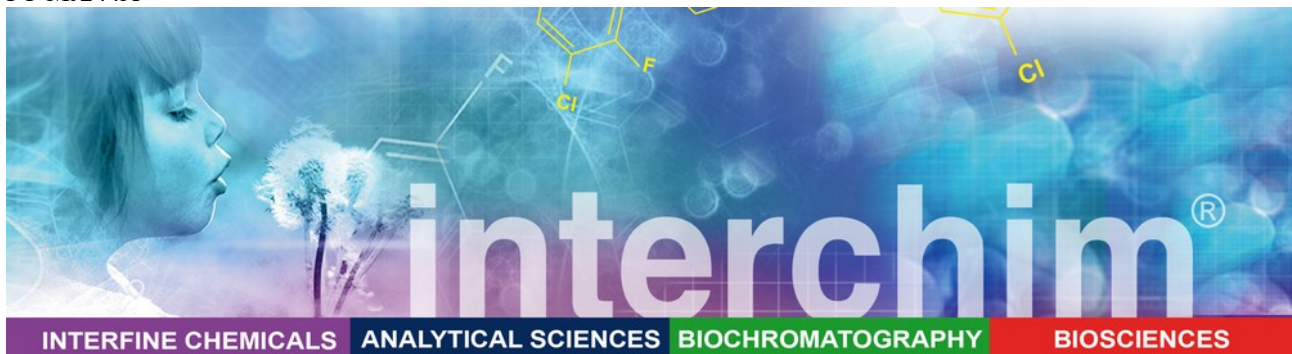


FT-MJ244A



INTERFINE CHEMICALS ANALYTICAL SCIENCES BIOCHROMATOGRAPHY BIOSCIENCES

TBST buffer (Tris Buffered Saline + Tween 20)

A wash buffer used during immunodetections (western blotting, ELISA...) and other applications.

Products Description

Cat.number: MJ244A, 500mL MJ244B, 1L
Name: TBS with 0.5% Tween 20, 20X
 Tris Buffered Saline Buffer with Tween 20 (TBST), 20X Liquid Concentrate

Description: When reconstituted with water, TBS 1X final concentrations are 137mM Sodium Chloride, 20mM Tris, 0.025% Tween-20. Supplied at pH 7.4 at +25°C.

Cat.number: AYO873, 500mL AYO874, 1L
Name: TBS with 0.5% Tween 20, 10X Sterile
 Tris Buffered Saline Buffer with Tween 20 (TBST), 10X Liquid Concentrate
 Supplied sterile : Autoclaved and filter solution through a 0.2 micron filter into a sterile flask.
Description: When reconstituted with water, TBS 1X final concentrations are 137mM Sodium Chloride, 20mM Tris, 0.05% Tween-20. Supplied at pH 7.4 at +25°C.

Cat.number: GS3681, 500mL GS3682, 1L
Name: TBST with 1% Tween 20, 20X
 Tris Buffered Saline Buffer with Tween 20 (TBST), 20X Liquid Concentrate
Description: When reconstituted with water, TBS 1X final concentrations are 137mM Sodium Chloride, 20mM Tris, 2.7mM Potassium Chloride, 0.05% Tween 20; pH is 7.4 at +25°C.

Storage: Room temperature (Z)

Technical information & applications

TBS with Tween 20 (20x) is a popular buffer used in washing steps of many immunodetection techniques such as Western Blotting, ELISA, histochemistry (IHC). It is also used as a dilution buffer for antibodies, typically added with a saturating agent (e.g. 0.1% BSA). It contains Sodium Chloride as physiological osmotic agent, Tris as buffering agent to stabilize pH a physiological level (pH7.2-7.6), and Tween 20 detergent.

Tris buffering agent is preferable over phosphate to avoid complex formation with ionic species such as calcium and magnesium in blood. Tris is however not recommended in some application because of its reactivity as a primary amine (e.g. in biochemistry works), and its appreciable solubility in organic solvents (which can lead to an accumulation in the biological phase of a reaction system).

Included Tween 20 promotes more effective washings than TBS alone, resulting in decreased non-specific background staining. Tween 20 is also known to promote reagent spreading in automated staining methodologies.

FT-MJ244A

Storage & Stability

Store at room temperature (20 to 25°C) in original container protected from direct sunlight in a dry, cool and well-ventilated area. When properly stored, the reagent is stable for one year.

Do not use the reagent beyond the expiration date.

The user must validate any other storage conditions. When stored at temperatures below 10°C, the salts may fall out of solution. If this occurs during shipment or storage, bring the product to room temperature and stir to get the salts back into solution.

Use

1. Dilute the TBS/Tween with deionized water. Example:

TBST 10X (AYO873): dilute 1:10
1 liter of concentrate diluted in 9 liters of deionized water.

TBST 20X (MJ244A, GS3681): dilute 1:20
1 liter of concentrate diluted in 19 liters of deionized water.

Note: prepare required volume for your daily consumption.

2. Use as a wash buffer in suitable technique (ELISA, WB, IHC) according your usual protocol.

Related Products

TBS buffer is also available in ready pack 20X ([UP74004A](#)), with non fat milk ([GS4162](#)), with Tween 20 ([MJ244A](#)).

- **Other Buffers** : see ^{PH}[BC002b](#). For example **PBS buffer** (Phosphate Buffer Saline) #[UP68723A](#) with Tween 20 ([MJ244A](#)), with BSA (S4190), with non fat milk (GS4180), as sterile solutions ([GS3574](#)); in tablets ([AWJGB0](#))
- **Additives**: Detergents; Tween 20 ([158740](#)), TritonX100 ([521121](#)), CHAPS ([33351A](#)), ...
Bacteriostatics: Na Azide ([081125](#)), ... Chelatants: EDTA ([036290](#))...
Protease inhibitors: AEBSF ([401071](#)), PMFS,... Reducing agents: DTT ([054721](#)), TCEP ([242214](#)), ...

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Other information

For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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