

Tris Buffer Saline (TBS) Plus, 10X

Buffer Reagent
902-942-120922

BIOCARE
M E D I C A L

Available Product Formats	
Catalog Number	Volume
BRR942M	500 mL

Intended Use:

For Research Use Only. Not for use in diagnostic procedures.

Summary & Explanation:

Tris Buffer Saline (TBS) Plus, 10X is a Tris-buffered saline (TBS) solution and is used in combination with a surfactant. These buffered solutions help to maintain the morphological characteristics of the antibodies and their respective epitopes facilitating the specific binding necessary in an immunohistochemical reaction. The surfactant component is added to promote effective washing thus reducing background staining and to enhance reagent spreading across the tissue section in performing automated or manual staining protocols.

Known Applications:

Immunohistochemistry (Formalin-fixed paraffin-embedded tissues)

Materials and Methods:

Reagents Provided:

Kit Catalog No.	Component Description	Quantity x Volume
BRR942M	Tris Buffer Saline (TBS) Plus, 10X	1 x 500 mL

* Refer to the Biocare Medical website located at <http://biocare.net> for information regarding catalog numbers and ordering.

Supplied As:

Buffered saline solution, and less than 1% ProClin 950 preservative. See Safety Data Sheet for additional details.

Reconstitution, Mixing, Dilution, Titration:

The Tris Buffer Saline (TBS) Plus, 10X is optimized for use with Biocare antibodies and ancillary reagents.

- Mix 1-part concentrated buffer to 9-parts deionized water (1:10 dilution) or dilute contents of the Tris Buffer Saline (TBS) Plus, 10X (500mL) to 4.5 liters of deionized water.
- Check pH. If necessary, adjust to 7.6 ± 0.1 at 25°C.

Storage and Stability:

Store at room temperature. The product is stable to the expiration date printed on the vial label when stored under these conditions. Do not use after expiration date. Storage under any condition other than those specified must be verified. Diluted reagents should be used as instructed. The stability of user diluted reagent has not been established by Biocare.

Staining Protocol Recommendations:

The below are programming and protocol recommendations to assist the user when staining manually and/or using one of Biocare's Automated Staining Platforms for research applications. The user is responsible for further optimizations of the protocol. When using an automated staining instrument, consult the specific instrument operator manual and instructions for use for operating parameters.

Apply TBS Automation Wash Buffer as a wash application after reagent incubations.


Limitations:

This product is provided for Research Use Only (RUO) and is not for use in diagnostic procedures. Suitability for specific applications may vary and it is the responsibility of the end user to determine the appropriate application for its use.

Precautions:

- Kit reagents contain less than 1% ProClin 950. Wear gloves and protective clothing and take reasonable precautions when handling as ProClin is classified as an irritant and may cause skin contact sensitization. Avoid contact with eyes, skin, and mucous membranes.
- Handle materials of human or animal origin as potentially biohazardous and dispose such materials with proper precautions. In the event of exposure, follow the health directives of the responsible authorities where used.^{1,2}
- Specimens, before and after fixation, and all materials exposed to them should be handled as if capable of transmitting infection and disposed of with proper precautions. Never pipette reagents by mouth and avoid contacting the skin and mucous membranes with reagents and specimens. If reagents or specimens come into contact with sensitive areas, wash with copious amounts of water.³
- Microbial contamination of reagents may result in an increase in nonspecific staining.
- Incubation times or temperatures other than those specified may give erroneous results. The user must validate any such change.
- Do not use reagent after the expiration date printed on the vial.
- The reagent is optimized for use with Biocare antibodies and ancillary reagents. Refer to the primary antibody and other ancillary reagent instructions for use for recommended protocols and conditions for use.
- Follow local and/or state authority requirements for method of disposal.
- The SDS is available upon request and is located at <http://biocare.net>.
- Report any serious incidents related to this device by contacting the local Biocare representative and the applicable competent authority of the Member State or country where the user is located.

This Tris Buffer Saline (TBS) Plus, 10X contains components classified as indicated in the table below in accordance with the Regulation (EC) No. 1272/2008.


Hazard	Code	Hazard Statement
	H317	May cause an allergic skin reaction.

Technical Support:

Contact Biocare's Technical Support at 1-800-542-2002 for questions regarding this product.

References:

- Occupational Safety and Health Standards: Occupational exposure to hazardous chemicals in laboratories. (29 CFR Part 1910.1450). Fed. Register.
- Directive 2000/54/EC of the European Parliament and Council of 18 September 2000 on the protection of workers from risks related to exposure to biological agents at work.
- Clinical and Laboratory Standards Institute (CLSI). Protection of Laboratory Workers from Occupationally Acquired Infections; Approved Guideline-Fourth Edition CLSI document M29-A4 Wayne, PA 2014.

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