



Intended Use

Diagen Tris Buffered Saline (TBS) can have many uses because of its isotonic and non-toxic characteristics. As well as being used to dilute substances, additives can be used to add function to the solution.

Summary and Principle

TBS is a buffer used in some biochemical techniques to maintain the pH within a relatively narrow range. Tris (with HCl) has a slightly alkaline buffering capacity in the 7 - 9.2 range. Tris has a pK_a of 8.06 at 20 °C and the pK_a declines approximately 0.03 units per degree Celsius rise in temperature. This means that relatively dramatic pH-shifts can be experienced when solution temperature changes.

Reagent

Tris buffered Saline pH 7.6 **250 mL**
Tris Buffered Saline at pH 7.6 with Sodium Azide added as a preservative. For *in vitro* diagnostic use only. **The reagent is ready to use.**

Warnings and Precautions

Please refer to the TBS SDS (IMBXMSDS) for further information on safety precautions and advice.

Collection of Blood Samples

Blood (9 parts) is collected into 1 part of 3.2% trisodium citrate and the plasma obtained by centrifugation at 2500 g for 15 minutes. The plasma should be stored in stoppered tubes. The use of 3.2% citrate containing 5% HEPES buffer improves the stability of both fresh and deep-frozen plasma.

Procedure

For the relevant instrument/test procedure please refer to the pack insert included with the test reagent, kit or plasma for specific advice.

Storage and stability

Unopened reagent is stable for 3 years when stored at 2-8°C. Once opened the reagent is stable for 90 days at 2-8°C.

Packaging

1 x 250 mL bottle.

Key guide to symbols

REF	Manufacturers catalogue number.	i	Consult instructions for use.
LOT	Manufacturers batch number.	Recon.	Requires reconstitution.
IVD	For <i>in vitro</i> diagnostic use only.	Expiry date	Product expiry date.
Biohazard	Biological risks.	Refrigeration	Store refrigerated between 2 - 8°C.



Manufacturer.



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Diagnostic Reagents Limited is a BS EN ISO13485:2016 certified company