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10X TBS Buffer

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1 Works for me dx.doi.org/10.17504/protocols.io.bd85i9y6

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ABSTRACT

Tris buffered saline (TBS) is a commonly used buffer with a wide range of applications in biochemistry. It is often more convenient to prepare a 10X solution so that additional components can be added when preparing the buffer on demand.

MATERIALS

NAME	CATALOG #	VENDOR
Sodium Chloride	S271	Fisher Scientific
Tris Base	BP152	Fisher Scientific
Tris Hydrochloride	BP153	Fisher Scientific
Hydrochloric Acid	A144S	Fisher Scientific

SAFETY WARNINGS

Concentrated hydrochloric acid is corrosive by all exposure routes. Always work with concentrated HCl in a fume hood while wearing appropriate PPE.

1 Weigh out Tris base **3.13 g**

2 Weigh out Tris HCl **27.45 g**

3 Weigh out sodium chloride **88 g**

4 Dissolve in MilliQ water **900 ml**

5 Measure and adjust to pH **7.5** with concentrated HCl and/or NaOH

6 Add MilliQ water to a final volume of 1 L

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