

**1M Tris-HCL, pH 8.0**

**Catalog #:** 351-007-101 500mL

**Store at:** 15°C to 30°C

**Shipped at:** ambient temperature

**Description**

Quality Biological's (QBI) Tris-HCl (1M), pH 8.0 is prepared from Molecular Biology Grade Tris base [tris(hydroxymethyl)-aminomethane] using Quality Biological's Molecular Biology Grade (MBG) water. The pH is adjusted to 8.0 with hydrochloric acid (HCl). The final product is filtered through a 0.2µm filter and sterilized.

**Applications**

Tris-HCl is frequently used as a buffer in molecular biology. Since Tris has a buffering range between 7.1 – 8.9, it is compatible with many enzymes in molecular biology (e.g., DNA modifying enzymes). The following is an example of where Tris-HCl (1M), pH 7.5 may be usefully employed:

- *DEAE Dextran-Mediated Transfection of Non-Adherent and Adherent Cells*<sup>3</sup>

**Quality Control***General*

The quality of a product is a combination of careful selection of raw materials, proper manufacturing procedures, and diligent monitoring of each step.

All QBI products for Molecular Biology are prepared according to standard published protocols<sup>1,2</sup> or to formulations provided by customers.

Quality Control is used to determine whether each step in the manufacturing process has been properly carried out and the finished product meets or exceeds the standards established for it.

*Product Specific Testing*

Tris-HCl (1M), pH 8.0 is routinely tested for the absence of DNase, RNase, and Protease activity.

*The test results of individual lots of 1M Tris-HCl, pH 8.0 are available on the QBI website.*

**All products sold by Quality Biological, Inc. are intended for research use only. This product has not been approved for diagnostic or IVD use.**

### References

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, a Laboratory Manual, 2<sup>nd</sup> Edition.*, Cold Spring Harbor Press
2. Ausubel, F.M. et al., eds. (1993) *Current Protocols in Molecular Biology.* Green Publishing Associates, Inc., in association with John Wiley & Sons, Inc.
3. Davis, L.G. Dibner, M.D. & Battey, J.F. (1986) *Basic Methods in Molecular Biology.* Elsevier Science Publishing Company, Inc.

### Related Products

#### 1M Tris-HCl, pH 7.0

Catalog #	351-050-101	500mL
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#### 1M Tris-HCl, pH 7.5

Catalog #	351-006-721EA	100mL
	351-006-721	Pack of 4 x 100mL
	351-006-101	500mL
	351-006-131	1000mL

#### DEPC Treated Water

Catalog #	351-065-721EA	100mL
	351-068-721	Pack of 4 x 100mL
	351-068-131	1000mL
	351-068-131CS	10 x 1000mL
	351-068-491	4 Liters
	351-068-151	10 Liters
	351-068-161	20 Liters

#### Molecular Biology Grade Water

Catalog #	351-029-721EA	100mL
	351-029-721	Pack of 4 x 100mL
	351-029-101	500mL
	351-029-101CS	10 x 500mL
	351-029-131	1000mL
	351-029-131CS	10 x 1000mL
	351-029-491	4 Liters
	351-029-151	10 Liters
	351-068-161	20 Liters