

**1M Tris-HCl, pH 7.0  
(Molecular Biology Grade)**

**Catalog #:** 351-050-101 500mL

**Store at:** 15°C to 30°C

**Shipped at:** ambient temperature

**Description**

Quality Biological's (QBI) 1M Tris-HCl, pH 7.0 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 7.0 with hydrochloric acid (HCl). The final product is passed 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 where 1M Tris-HCl, pH 7.0 may be usefully employed:

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

**Quality Control***General*

All Quality Biological products for Molecular Biology are prepared according to standard published protocols.<sup>1,2</sup> All products are subjected to a variety of quality control procedures, including pH and osmolality determinations in order to validate the product is within its specifications.

*Product Specific Testing*

1M Tris-HCl, pH 7.0 is routinely tested for the absence of DNase, RNase, and Protease activity.

*The test results of individual lots of 1M Potassium Chloride are available on the Quality Biological website.*

**References**

1. Sambrook, J., Fritsch, E.F. & Maniatis, T. (1989) *Molecular Cloning, A Laboratory Manual*, 2<sup>nd</sup> Ed. Cold Spring Harbor Laboratory Press.
2. Ausubel, F.M. et al., eds. (1993), *Current Protocols in Molecular Biology*, Greene 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. Harbor Laboratory Press.

**Related Products**

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

**1M Tris-HCl, pH 7.5**

Catalog #	351-006-721EA	100mL
	351-068-721	Pack of 4 x 100mL
	351-068-101	500mL
	351-006-131	1000mL

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

Catalog #	351-065-101EA	500mL
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**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