ambion
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TE Buffer pH 7.0 and 8.0

Catalog Number AM9849, AM9858, AM9860, AM9861

Pub. No. 4386653 **Rev.** D

Catalog number	Contents	Quantity	Storage conditions
AM9849	TE Buffer pH 8.0	500 mL	Store at room temperature.
AM9858	TE Buffer pH 8.0	1 L	
AM9860	TE Buffer pH 7.0	10 x 1 mL	
AM9861	TE Buffer pH 7.0	50 mL	

WARNING! Read the Safety Data Sheets (SDSs) and follow the handling instructions. Wear appropriate protective eyewear, clothing, and gloves. Safety Data Sheets (SDSs) are available from **www.lifetechnologies.com/support**.

Product description

TE Buffer consists of 10 mM Tris (adjusted to the specified pH with HCl) and 1 mM EDTA. These TE Buffers are filtered through a 0.2 µm filter into a sterile autoclavable bottle, are nuclease-free, and ready for use without additional preparation.

Alkalinity and free cations have been implicated in catalyzing the hydrolysis of RNA. TE Buffer pH 7.0 reduces base hydrolysis through chelation of divalent cations by EDTA and through resistance to pH changes by the Tris buffer.

Using TE Buffer

Use TE Buffer pH 7.0 and 8.0 in critical molecular biology applications, including resuspension of nucleic acids after precipitation. To resuspend RNA, add the appropriate volume of TE Buffer pH 7.0 to an RNA pellet and vortex until completely dissolved. Use TE Buffer pH 8.0 to resuspend DNA pellets in a similar manner.

Note: TE Buffer is a clear liquid. If precipitates form in the TE Buffer, warm the buffer to 37°C to resuspend.

Quality control

TE Buffers are tested in the following quality control assays before and after final packaging.

Nonspecific endonuclease activity: A sample is incubated with supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.

Exonuclease activity: A sample is incubated with labeled double-stranded DNA, followed by PAGE analysis.

RNase activity: A sample is incubated with labeled RNA and analyzed by PAGE.

Limited product warranty

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