

1 M Tris pH 7.0 & 8.0

Store at room temperature.

Catalog # (P/N):	AM9850G	AM9851	AM9855G	AM9856
Product Description:	1M Tris pH 7.0	1M Tris pH 7.0	1M Tris pH 8.0	1M Tris pH 8.0
Amount:	100 mL	500 mL	100 mL	500 mL
Appearance:	Clear liquid			
Molecular Weight:	121.14			
Storage Conditions:	Store at room temperature.			

USER INFORMATION

General Information: Each buffer consists of 1M Tris, adjusted to pH 7.0 or 8.0 with HCl. These solutions are ready for use and require no extra preparation. If desired, these solutions can be autoclaved. If precipitates form, warm solutions to 37°C to resuspend.

Applications: Ambion® 1 M Tris, pH 7 (P/N AM9850G, AM9851), and 1M Tris, pH 8 (P/N AM9855G, AM9856), can be mixed in the following ratios to adjust the pH between 7.0 and 8.0.

<u>Tris pH 7 (mL)</u>	<u>Tris pH 8 (mL)</u>	<u>New pH</u>
1	9	7.97
2	8	7.90
3	7	7.83
4	6	7.75
5	5	7.65
6	4	7.59
7	3	7.50
8	2	7.39
9	1	7.26

QUALITY CONTROL

Ambion 1 M Tris Buffers are tested in the following quality control assays before and after final packaging. Each buffer is filtered through a 0.2 µm filter into the final package.

Nonspecific Endonuclease Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 300 ng supercoiled plasmid DNA and analyzed by agarose gel electrophoresis.

Exonuclease Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 40 ng labeled *Sau3A* fragments of pUC19 and analyzed by PAGE.

RNase Activity: Meets or exceeds specification when a sample is incubated for 14–16 hr with 25 ng labeled RNA and analyzed by PAGE.

OTHER INFORMATION

Material Safety Data Sheets: Material Safety Data Sheets (MSDSs) can be printed or downloaded from product-specific links on our website at the following address: www.ambion.com/techlib/msds. Alternatively, e-mail your request to MSDS_Inquiry_CCRM@appliedbiosystems.com. Specify the catalog or part number(s) of the product(s), and we will e-mail the associated MSDSs unless you specify a preference for fax delivery. For customers without access to the internet or fax, our technical service department can fulfill MSDS requests placed by telephone or postal mail. (Requests for postal delivery require 1–2 weeks for processing.)

Warranty and Liability: *For research use only. Not for use in diagnostic procedures.*

Applied Biosystems is committed to delivering superior product quality and performance, supported by industry-leading global service and technical support teams. Warranty information for the accompanying consumable product is available at www.ambion.com/info/warranty in "Limited Warranty for Consumables," which is subject to the exclusions, conditions, exceptions, and limitations set forth under the caption "EXCLUSIONS, CONDITIONS, EXCEPTIONS, AND LIMITATIONS" in the full warranty statement. Please contact Applied Biosystems if you have any questions about our warranties or would like information about post-warranty support.

Information in this document is subject to change without notice. Applied Biosystems assumes no responsibility for any errors that may appear in this document.

Applied Biosystems disclaims all warranties with respect to this document, expressed or implied, including but not limited to those of merchantability or fitness for a particular purpose. In no event shall Applied Biosystems be liable, whether in contract, tort, warranty, or under any statute or on any other basis for special, incidental, indirect, punitive, multiple or consequential damages in connection with or arising from this document, including but not limited to the use thereof.

**Trademarks, Patents, and
Licensing:**

Applied Biosystems, AB (Design), and Ambion are registered trademarks of Applied Biosystems Corporation or its subsidiaries in the US and/or certain other countries. All other trademarks are the sole property of their respective owners.

© 2008 Ambion, Inc. All rights reserved. 4386654B