

Certificate of Analysis

DTT, 100mM:

Part No.	Size
P117A	100µl

Description: DTT (dithiothreitol) is an antioxidant used to stabilize enzymes and other proteins containing sulfhydryl groups. Part# P117A is a 100mM solution of DTT in water.

Molecular Formula: HSCH₂(CHOH)₂CH₂SH.

Molecular Weight: 154.25.

Storage Temperature: See the Product Information Label for storage conditions and expiration date.

Quality Control Assays

Exonuclease Assay: To test for DNase and RNase activity, 50ng of [³H]-labeled DNA or [³H]-labeled RNA is incubated with DTT for 3 hours at 37°C, and the release of radiolabeled nucleotides is monitored by scintillation counting of TCA-precipitable and TCA-soluble material. The minimum passing specification is <1% release for DNase and <1% release for RNase.

Functional Assays: DTT is tested for optimal performance in the Riboprobe® Systems according to the methods described in the Riboprobe® *in vitro* Transcription System Technical Manual, #TM016.

DTT is used in a non-radioactive transcription assay using the pGEM® Express Positive Control Template provided with the Riboprobe® Systems and SP6 RNA Polymerase. The transcripts produced are of the correct size (1,787 and 2,566 bases) and show no degradation when visualized on an agarose gel following electrophoresis and ethidium bromide staining.

DTT, Molecular Grade

REF P1171

LOT 0000289690

-30°C to -10°C

2021-03-02

Dispensed Lot#: 0000277690

100µl

For Laboratory Use

Country of Origin USA

Promega Corporation
2800 Woods Hollow Road
Madison, WI 53711-5399 USA



ADP1171 00002896904

PEEL
HERE



Promega

Promega Corporation

2800 Woods Hollow Road	
Madison, WI 53711-5399	USA
Telephone	608-274-4330
Toll Free	800-356-9526
Fax	608-277-2516
Internet	www.promega.com

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

Promega manufactures products for a number of intended uses. Please refer to the product label for the intended use statements for specific products. Promega products contain chemicals which may be harmful if misused. Due care should be exercised with all Promega products to prevent direct human contact.

Each Promega product is shipped with documentation stating specifications and other technical information. Promega products are warranted to meet or exceed the stated specifications. Promega's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. Promega makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO PROMEGA PRODUCTS. In no event shall Promega be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of Promega products to perform in accordance with the stated specifications.

© 1997-2011, 2016 Promega Corporation. All Rights Reserved.

pGEM and Riboprobe are registered trademarks of Promega Corporation.

Products may be covered by pending or issued patents or may have certain limitations. Please visit our Web site for more information.

All specifications are subject to change without prior notice.

Product claims are subject to change. Please contact Promega Technical Services or access the Promega online catalog for the most up-to-date information on Promega products.

Part# 9PIP117
Printed in USA. Revised 8/16.

Signed by:

R. Wheeler, Quality Assurance