

Certificate of Analysis

SV Total RNA Isolation System, Trial Size

Cat.# Z3101

Lot# 0000305882

Cat.# Z3101 provides sufficient reagents to perform 10 isolations of total RNA from tissues, cells or blood.

Includes:

Part#	Name	Size
A130E	Collection Tubes	2 × 5/pk
P119A	Nuclease-Free Water	1,250µl
Z200A	Elution Tubes	2 × 5/pk
Z305B	RNA Lysis Buffer (RLA)	10ml
Z306B	RNA Dilution Buffer (RDA)	4ml
Z309B	RNA Wash Solution (RWA)	11.8ml
Z312A	DNase Stop Solution (DSA)	5.3ml
Z317A	Yellow Core Buffer	2.5ml
Z318A	MnCl ₂ , 0.09M	250µl
Z358B	DNase I (lyophilized)	1 vial
Z503B	Spin Columns	2 × 5/pk
Z559A	β-Mercaptoethanol (97.4%)	900µl



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



Instructions for use of this product can be found in the SV Total RNA Isolation System Technical Manual #TM048, available online at: www.promega.com/tbs

Storage Conditions: Store the rehydrated DNase I solution at -30°C to -10°C; and store other components at +15°C to +30°C.

Expiration Date: See product label for expiration date.

Quality Control Assays

This lot passes the following Quality Control specifications:

P119A

DNase Assay: To test for nuclease activity, 50ng of [3H]DNA is incubated with 5µl of Nuclease-Free Water for 5 hours at 37°C in 1X MULTI-CORE™ Buffer (Cat.# R9991). The release of radiolabeled nucleotides is measured by liquid scintillation counting of TCA-soluble material. The specification is <1% release.

RNase Assay: To test for nuclease activity, 50ng of [3H]RNA is incubated with 5µl of Nuclease-Free Water for 5 hours at 37°C in 1X MULTI-CORE™ Buffer (Cat.# R9991). The release of radiolabeled nucleotides is measured by liquid scintillation counting of TCA-soluble material. The specification is <1% release.

Z358B

RNase Activity: ≤3% 3H release after 5 hours at 20–25°C using 10 units of DNase I

DNase Activity: 2.0–4.0U/µL

Appearance: Dense, white material

pH Values @ 20–25°C

Z305B 7.40–7.60

Z306B 6.90–7.10

Z309B 7.40–7.60

Z312A 7.40–7.60

Z317A 7.30–7.80

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 the 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.

MULTI-CORE is a trademark of Promega corporation.

© 2016 Promega Corporation. All Rights Reserved. All specifications are subject to change without prior notice.

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

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.

TMP-03rev1
Revision 09
Z3101

Signed by:

R. Wheeler, Quality Assurance