

## Certificate of Analysis

### SV Total RNA Isolation System, Trial Size

Cat.# Z3101

Lot# 0000323085

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 <sub>2</sub> , 0.09M	250µl
Z358B	DNase I (lyophilized)	1 vial
Z503B	Spin Columns	2 × 5/pk
Z559A	β-Mercaptoethanol (97.4%)	900µl



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](http://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

Signed by:

R. Wheeler, Quality Assurance



Promega

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