

One-Step RT-PCR from AMRESCO

Streamlined procedure allows instant visualization post electrophoresis



Isolate RNA from Cells or Tissue



Add RNA & Primers to Ready One-Step mixture

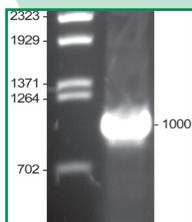


Cycle



Load Directly on Gel

Instantly Visualize



Ready One-Step RT-PCR Kit

Load PCR products directly to gel and visualize instantly post-electrophoresis.

Convenient Format

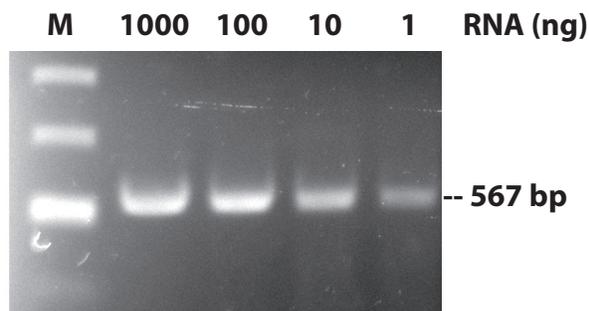
Two component kit contains everything required for easy, single-tube reaction setup containing: 1) master mix with high fidelity polymerase blend, reaction buffer, dNTPs, tracking dye and non-mutagenic visualization dye, and 2) M-MLV reverse transcriptase.

One-Step Process

Reverse transcription and PCR reagents, as well as loading buffer and safe DNA visualization dye are mixed simultaneously with RNA template and primers to simplify sample handling and detection.

Instant Visualization

Safe, fluorescent visualization dye included in the master mix allows for immediate visualization post-electrophoresis with standard UV illumination.



RNA template down to 1 ng amplified and visualized with Ready One-Step RT-PCR Kit.

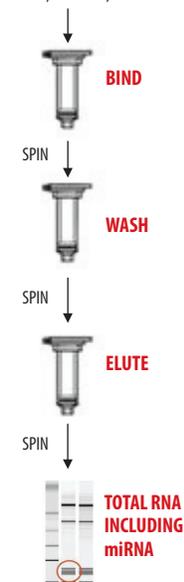
DNase I treated RNA purified from 1×10^7 K562 cells with RiboZol™ was serially diluted in PCR tubes. Forward and Reverse Primers for β -actin were added to the RNA templates. The nucleic acid solutions were heat-denatured at 65°C for 5 minutes and immediately placed on ice. Components of the Ready One-Step RT-PCR Kit were added to the RT-PCR reactions and a conventional RT-PCR cycle was used to amplify DNA. The product was separated on a 1% agarose gel in TAE buffer and immediately visualized.

Description	Product Code	Pack Size
Ready One-Step RT-PCR Kit	1B1326-100RXN	100 assays
Includes one tube of Ready One-Step Reverse Transcriptase and one tube of Ready One-Step RT-PCR Mix, 2X	1B1326-50RXN	50 assays

Phenol-Free Total RNA Purification Kit

Purify high quality RNA in
just 20 minutes

Lyse cultured cells,
tissues, bacteria, etc.



RT-PCR Convenience Products from AMRESKO

Description	Product Code	Pack Size
ISOLATION & PURIFICATION		
Phenol-Free Total RNA Purification Kit Rapidly purify high quality RNA without the use of phenol or chloroform. Includes spin columns, lysis solution, wash solution, elution buffer and collection tubes. Sufficient material for 50 preps.	N788-KIT	1 kit
RiboZol™ RNA Extraction Reagent Ready-to-use, single phase extraction reagent for the isolation of total RNA from even the most difficult cell and tissue types.	N580-100ML N580-200ML	100 ml 200 ml
RiboZol™ Plus RNA Purification Kit Combines the benefits of organic RNA extraction using spin column technology. Kit purifies and recovers all sizes and species of RNA, including large RNAs such as mRNA and rRNA, and small RNAs such as miRNA, and siRNA. Sufficient for 50 preparations.	N643-KIT	1 kit
NucleasEliminator™ Removes and deactivates high concentrations of nuclease contamination from glass or plastic surfaces. Available as liquid, spray, or single-use wipes.	E891-100ML E891-500ML E891-100ML-PUMP E891-25PK	100 ml 500 ml 100 ml spray 25 wipes
RiboReserve™ RNA Storage Solution Protects purified RNA from degradation during extended storage. Sodium citrate buffer, pH 6.4 buffer.	N633-50ML	50 ml
Water, Sterile, Nuclease-Free Nuclease-free water, specially prepared using DEPC to ensure removal of RNase contamination.	E476-500ML	500 ml
Diethylpyrocarbonate (DEPC) Hydrolyzes DNA for the preparation of highly purified RNA	E174-100G E174-25G E174-5G	100 g 25 g 5 g
DNase I Bovine Pancreas; Activity is ≥ 1800 U/mg	0649-50KU 0649-100KU	50 KU 100 KU
RNase Inhibitor Human Placental Source; 40 kU/ml	E633-2KU	2 KU