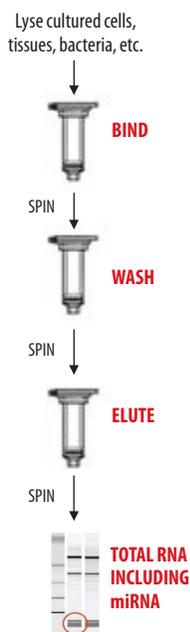


## Simplified RNA Purification from AMRESCO

Purify high quality RNA in just 20 minutes



## Phenol-Free Total RNA Purification Kit

Rapidly purify high quality total RNA without using phenol or chloroform.

### Rapid method

Simplified protocol uses specialized lysis solution and high yield spin-column technology to purify total RNA in just 20 minutes.

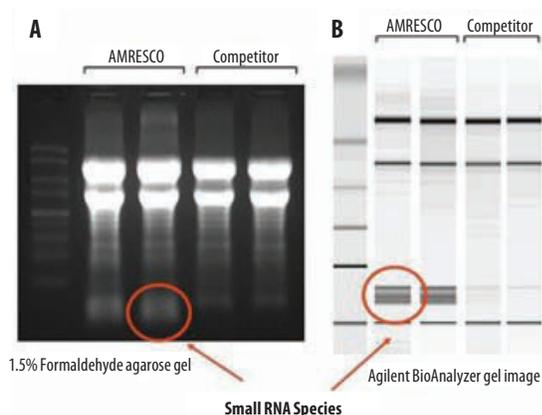
### Eliminate hazardous chemical use

Purify total RNA without the use of phenol/chloroform and eliminate interference by residual phenol in downstream applications, including PCR.

### Enhanced recovery of total RNA

Sensitive enough to recover the full range of diverse RNA species from a wide variety of sources.

### Small RNAs are Efficiently Recovered



### Kit Specifications

Binding capacity	≤ 50 µg RNA
Loading volume	650 µl
Size of RNA	Purifies all sizes, including < 200 nt
10 purifications	20 minutes
RT stability	1 year

**Size Range of RNA purified with AMRESCO's Phenol-Free Total RNA Purification Kit versus a competitor's kit.** Total RNA was isolated from  $1 \times 10^9$  *E. coli* cells with the Phenol-Free Total RNA Purification Kit and a competitor's kit. Sample volumes of 5 µl and 1 µl of the isolated RNA were analyzed on an agarose gel (A) and with the Agilent® 2100 BioAnalyzer RNA Nano 6000 chip (B). Note the presence of small RNA species (red circle) in the samples isolated with the Phenol-Free Total RNA Purification Kit and the absence of these RNA species in the competitor's RNA preparation.

### Description

#### Phenol-Free Total RNA Purification Kit

Includes spin columns, lysis solution, wash solution, elution buffer and collection tubes. Sufficient for 50 preparations.

### Product Code

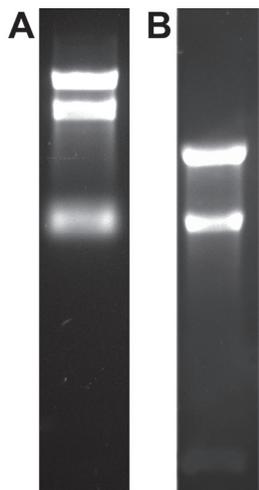
N788-KIT

### Pack Size

1 kit

## Rapid Formaldehyde-Free RNA Gel Kit

Rapid RNA electrophoresis with instant band visualization without the use of toxic chemicals



RNA resolved using AMRESCO's Rapid Formaldehyde-Free RNA Gel Kit. *E. coli* 16S, 23S RNA (2 µg/lane) was mixed with Rapid Formaldehyde-Free RNA Gel Loading Buffer and then resolved on a Rapid Formaldehyde-Free RNA Gel for 15 minutes (Figure A) at 16.5 V/cm. The gel was immediately visualized on a UV transilluminator using a SYBR® Green filter with a 500 millisecond exposure. The gel was then resolved an additional 15 minutes at 16.5V/cm and photographed a second time (Figure B).

## RNA Related Products from AMRESCO

Description	Product Code	Pack Size
<b>ISOLATION &amp; PURIFICATION</b>		
<b>RiboReserve™ RNA Storage Solution</b> Protects purified RNA from degradation during extended storage. Sodium citrate buffer, pH 6.4 buffer.	N633-50ML	50 ml
<b>NucleasEliminator™</b> Removes and deactivates high concentrations of nuclease contamination from glass or plastic surfaces. Available as liquid, spray, or single-use wipes.	E891-100ML	100 ml
	E891-500ML	500 ml
	E891-100ML-PUMP	100 ml spray
	E891-25PK	25 wipes
<b>Water, Sterile, Nuclease-Free</b> Nuclease-free water, specially prepared using DEPC to ensure removal of RNase contamination.	E476-500ML	500 ml
<b>ELECTROPHORESIS</b>		
<b>Rapid Formaldehyde-Free RNA Gel Kit</b> Includes <i>rapid</i> gel running buffer, gel buffer and sample loading buffer. RNA gel casting and rapid electrophoresis can be safely performed on bench top without hazardous chemicals. Sufficient material for 30 (50 ml) gels.	1B1384-KIT	1 kit
<b>RNA EZ Vision® Dye as Loading Buffer, 1.5X</b> Safer alternative to ethidium bromide staining. Non-mutagenic fluorescent RNA dye for staining RNA bands resolved on denaturing agarose gels.	N717-2X1.5ML	2 x 1.5 ml
<b>RiboReady™ Color Micro RNA Ladder</b> 6 prestained bands ranging from 20 - 100 bases in length. Highly visible colored bands can be monitored during gel runs.	1B1491-25RXN	25 lanes
<b>RiboReady™ Color 1 kb RNA Ladder</b> 6 prestained bands ranging from 200 - 8000 bases in length. Highly visible colored bands can be monitored during gel runs.	1B1492-25RXN	25 lanes
<b>Acryl/Bis™ 19:1 Premixed Powder</b> Blend of ultra pure acrylamide and bis-acrylamide at ratio of 19:1.	0729-40G	40 g
	0729-200G	200 g
<b>Acryl/Bis™ 29:1 Premixed Powder</b> Blend of ultra pure acrylamide and bis-acrylamide at a ratio of 29:1.	0673-40G	40 g
	0673-200G	200 g
<b>Agarose I™</b> All purpose agarose suitable for analytical and preparative applications; nuclease & protease free.	0710-500G	500 g
<b>Agarose I™ Tablets, 500 mg</b> All purpose agarose in a premeasured 500 mg tablet.	K857-100TAB	100 tablets
	K857-1000TABS	1000 tablets
<b>MOPS, 10X Liquid Concentrate</b> A zwittertonic buffer used as a running buffer for denaturing agarose gel electrophoresis of RNA.	E526-100ML	100 ml
	E526-500ML	500 ml