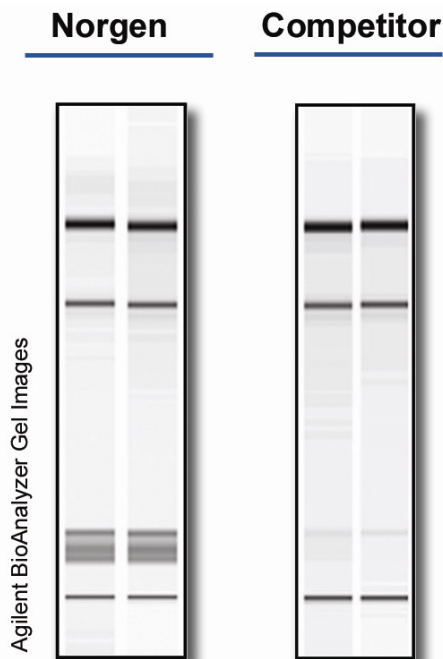


Total RNA (*including microRNA*) Without Phenol

- Isolate true total RNA, including microRNA, without phenol
- Highly sensitive down to very small inputs
- Process a variety of different sample inputs with ease
- RNA, microRNA, DNA and protein isolation from a single sample
- Convenient spin column formats and 96-well plates
- 30+ kits to meet all of your RNA and microRNA needs



Unlike the leading competitors, Norgen isolates true total RNA, including microRNA, without the use of phenol or chloroform.

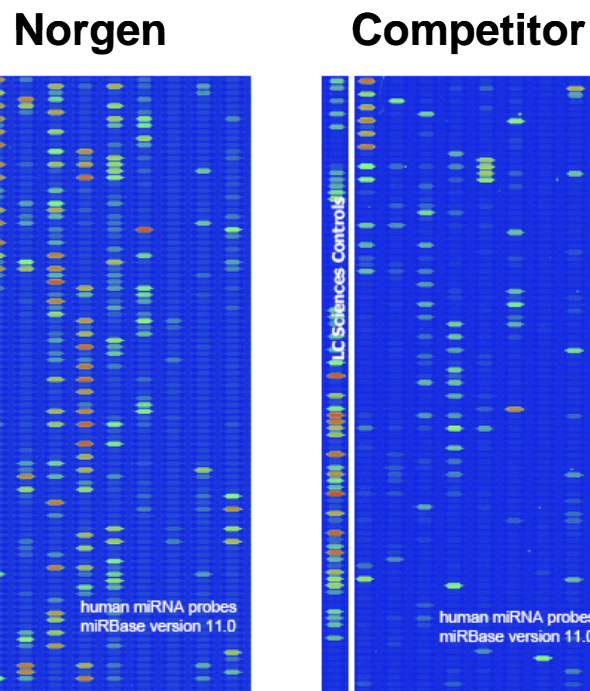
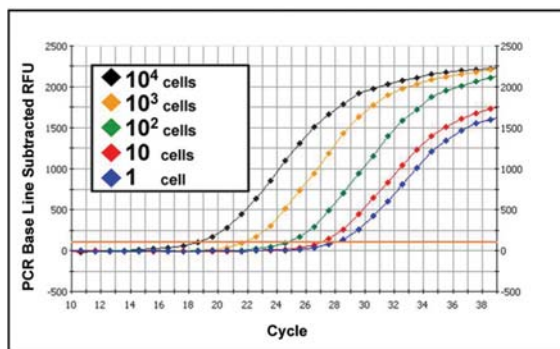


Image courtesy of LC Sciences. RNA isolated at MD Anderson Cancer Center.

Yield and diversity of microRNA is superior to competitor products. Norgen's kits are ideal for use in microRNA microarray applications



Highly sensitive isolation from inputs as low as a single cell.

Process all Sample Types

Cells	Fungi	Urine
Tissue	Plants	Serum
Bacteria	Water	Plasma
Yeast	Viruses	FFPE Tissue

Rapid, High Quality RNA Purification at an Affordable Price.

www.norgenbiotek.com

NORGEN
BIOTEK  CORP.

1. Total RNA Extraction and Purification (including microRNA)

- Isolate all RNA including microRNA without hazardous phenol
- Highly sensitive down to a small tissue sample and low cell numbers
- Available in convenient and affordable spin column and 96-well formats
- Total RNA from cultured cells, tissue, blood, bacteria, yeast, fungi, plant and viruses

2. RNA, microRNA, DNA and Proteins from the Same Sample

- Isolate multiple analytes sequentially from a single sample with no splitting of the lysate required
- Ideal for precious, difficult to obtain or small samples

3. Clean-Up and Concentration of RNA and microRNA

- Clean-up and concentrate total RNA in minutes without the use of phenol or chloroform
- Clean-up from various enzymatic reactions as well as RNA isolated by various methods

4. Plant and Environmental RNA and microRNA Purification

- Isolate high quality total RNA, including microRNA, even from challenging plant samples
- Superior removal of humic acid and other inhibitors from soil
- One-step isolation of RNA and DNA from bacteria, fungi, spores and algae found in water samples

5. FFPE RNA and microRNA Isolation and Purification

- Isolate high quality total RNA, including microRNA, from FFPE samples without phenol/chloroform
- Available in 96-well formats for high-throughput applications

6. Urine RNA and microRNA Isolation and Purification

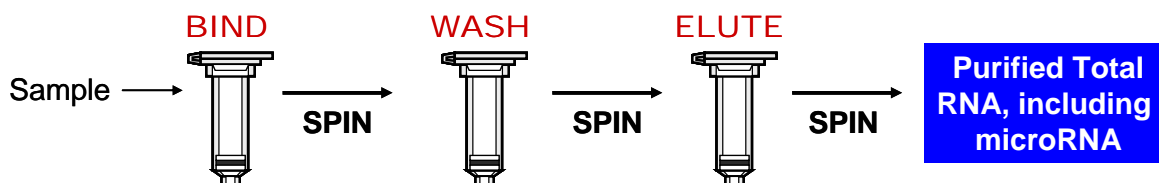
- Isolate inhibitor-free total RNA, including microRNA, from cells, exfoliated cells and bacteria in urine
- Purification of RNA without the use of phenol or chloroform
- Process urine inputs from 0.5 mL up to 10 mL

7. Blood/Plasma/Serum RNA Sample Preparation

- Isolate inhibitor-free total RNA, including microRNA, from circulating cells in blood and serum
- Available in spin column format and 96-well format for high throughput applications
- Fractionate leukocytes from whole blood in minutes and isolate total leukocyte RNA

8. Cytoplasmic and Nuclear RNA and microRNA Purification

- Isolate cytoplasmic and nuclear RNA from cultured cells and tissues without phenol/chloroform
- Genomic DNA-free cytoplasmic RNA

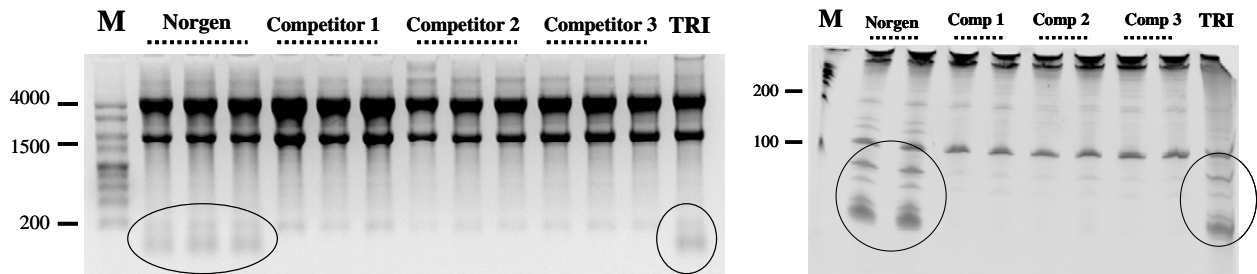


Ordering Information

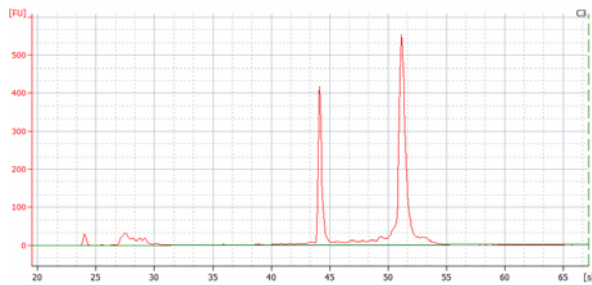
Kit Name	Size	Catalog #
Total RNA Purification Kit	50 preps/100 preps	17200/37500
Total RNA Purification 96-Well Kit	192 preps	24300
Total RNA Purification Maxi Kit	8 preps	26800
Total RNA Purification Micro Kit	50 preps	35300
microRNA Purification Kit	25 preps	21300
Animal Tissue RNA Purification Kit	50 preps	25700
Fatty Tissue RNA Purification Kit	25 preps	36200
RNA/Protein Purification Kit	20 preps/50 preps	23000/24100
RNA/Protein Purification 96-Well Kit	192 preps	37900
RNA/DNA/Protein Purification Kit	20 preps/50 preps	23500/24000
All-in-One Purification Kit	20 preps	24200
RNA Clean-Up and Concentration Micro Kit	50 preps/100 preps	23600/43200
RNA Clean-Up and Concentration 96-Well Kit	192 preps	25100
CleanAll RNA/DNA Clean-Up and Concentration Kit	20 preps	23800
Plant/Fungi Total RNA Purification Kit	50 preps/96 preps	25800/31300
Plant/Fungi Total RNA Purification 96-Well Kit	192 preps	31900
Plant RNA/DNA Purification Kit	50 preps	24400
Yeast/Fungi RNA/DNA Purification Kit	50 preps	35800
Viroid RNA Purification Kit	50 preps	32800
Viroid RNA Purification 96-Well Kit	192 preps	41900
Water RNA/DNA Purification Kit (0.22 μ M)	25 preps	26400
Water RNA/DNA Purification Kit (0.45 μ M)	25 preps	26450
Soil Total RNA Purification Kit	25 preps	27700
FFPE RNA Purification Kit	50 preps	25300
FFPE RNA Purification 96-Well Kit	192 preps	25400
FFPE RNA/DNA Purification Kit	50 preps	25000
Urine (Exfoliated Cell) RNA Purification Kit	20 preps	22500
Urine Bacteria RNA Purification Kit	20 preps	23400
Urine microRNA Purification Kit	25 preps	29000
Urine Total RNA Purification Maxi Kit (Slurry Format)	50 preps	29600
Plasma/Serum Circulating RNA Purification Kit	12 preps	30000
Plasma/Serum Circulating RNA 96-Well Purification Kit (Slurry Format)	96 preps	29500
Plasma/Serum Circulating RNA Purification Kit (Slurry Format)	50 preps	42800
Plasma/Serum Circulating Nucleic Acid Purification Kit (Slurry Format)	25 preps	27800
Leukocyte RNA Purification Kit	50 preps	21200
Leukocyte RNA Purification 96-Well Kit	192 preps	37800
Preserved Blood RNA Purification Kit I (for use with Tempus™ Blood RNA Tubes)	50 preps	43400
Preserved Blood RNA Purification Kit II (for use with Paxgene™ Blood RNA Tubes)	50 preps	43500
Cytoplasmic and Nuclear RNA Purification Kit	50 preps/100 preps	21000/37400

The New Standard in Total RNA and microRNA Purification

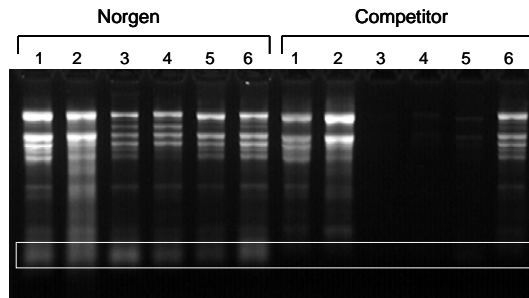
True Total RNA Isolation, Including microRNA. Equivalent to Phenol-Based Isolations



High Quality Total RNA from All Sample Types

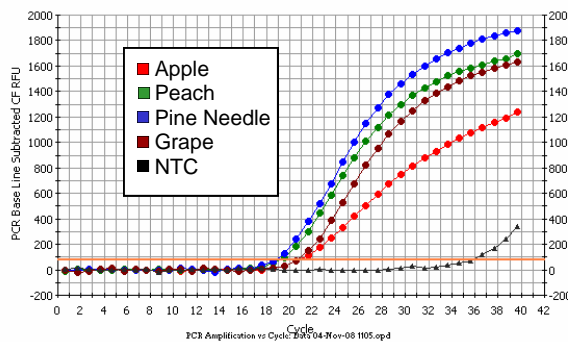


Isolate Total RNA from All Plant Samples



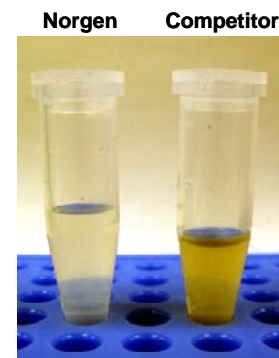
Lane 1 = apple, Lane 2 = peach, Lane 3 = grape, Lane 4 = pine needle, Lane 5 = strawberry, Lane 6 = pear.

Detection of RNA from Challenging Plant Samples



Detection of EF1- α using one step RT-qPCR from challenging plant samples including apple (red), peach (green), pine needle (blue) and grape leaves (burgundy)

Superior Removal of Humic Acid and Other Inhibitors



Please Visit our Website: www.norgenbiotek.com

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