

# RNA Isolation from Plants



## UltraClean™ Plant RNA Isolation Kit

For isolation of total RNA from plant tissues

### DESCRIPTION

The UltraClean™ Plant RNA Isolation Kit is designed to isolate total RNA from a wide variety of plant materials. Sample sizes from 5 to 100 mg can be processed for up to 60 µg of RNA. Fresh or frozen plant tissues are homogenized using standard manual methods. All contaminants, such as polysaccharides and polyphenols are removed, and the RNA is eluted in certified RNase-free water (provided). RNA is ready for all downstream applications including reverse transcription (RT) and reverse transcription PCR (RT-PCR). This kit simply requires a microcentrifuge and a vortex.

Plant samples tested with UltraClean™ Plant RNA Isolation Kit			
Alfalfa sprouts	✓	Mint	✓
Basil	✓	Radish	✓
Corn	✓	Spinach	✓
Grape leaf	✓	Tomato	✓

Specifications	
Format	Silica Spin Filter Tubes
Method	Manual Homogenization
Starting Amount	5-100 mg
Binding Capacity	Up to 60 µg per filter
Throughput	1 - 24 samples
Time	35 minutes

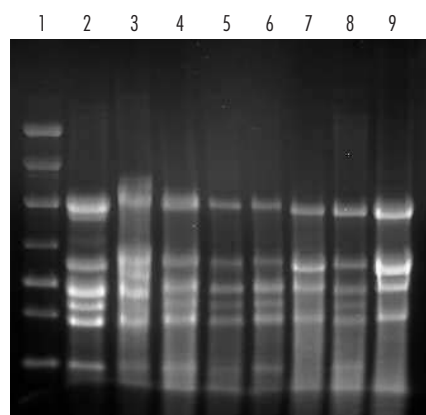
### RELATED PRODUCTS YOU MAY NEED

UltraClean™ Plant DNA Isolation Kit  
 RNase-Free Gloves  
 DEPC Treated Water  
 UltraClean™ Lab Cleaner

UltraClean™ Plant RNA Isolation Kit	
Catalog No.	Quantity
13300-20	20 preps
13300-50	50 preps

### Features and Benefits

- Rapid isolation of total RNA from plant tissues in only 35 minutes
- Yields up to 60 µg high quality RNA for RT and RT-PCR
- Safe and easy protocol uses NO phenol/chloroform extraction, CsCl gradients or ethanol precipitation
- Includes all ready-to-use RNase-free reagents and all required spin filters and tubes



### Quality Total RNA from Plants

Total RNA from various plant material was isolated with the UltraClean™ Plant RNA Isolation Kit and displayed on a 1.2% non-denaturing agarose gel. Lane 1: Marker; Lane 2: Spinach; Lane 3: Onion; Lane 4: Cauliflower; Lane 5: Broccoli; Lane 6: Radish; Lane 7: Corn; Lane 8: Sunflower; Lane 9: Wheat Grass.

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