



UltraClean™ Microbial RNA Isolation Kit

For isolation of total RNA from microorganisms

DESCRIPTION

The UltraClean™ Microbial RNA Isolation Kit is designed to yield up to 60 µg of high-quality RNA from pure cultures of microorganisms in 35 minutes. Based on a bead beating technology, cells are lysed, RNA is captured on a silica spin filter, washed and eluted in a certified RNase-free elution buffer, ready for reverse transcription and RT-PCR. This kit includes all required RNase-free tubes and reagents ready-to-use. Requires our Vortex Adapter for maximum efficiency. This kit does not require organic solvents and is considered safer than TRIZOL®-based protocols.

Microorganisms tested with UltraClean™ Microbial RNA Isolation Kit			
<i>B. subtilis</i>	✓	<i>S. aureus</i>	✓
<i>B. pumilus</i>	✓	<i>L. casei</i>	✓
<i>E. coli</i>	✓	<i>A. niger</i>	✓
<i>E. faecalis</i>	✓	<i>C. albicans</i>	✓
<i>P. aeruginosa</i>	✓	<i>S. cerevisiae</i>	✓
<i>M. luteus</i>	✓		

Specifications	
Format	Silica Spin Filter Tubes
Method	Bead Beating
Binding Capacity	Up to 60 µg per filter
Throughput	1 - 24 samples
Time	35 minutes

REFERENCES:

1. Johnson, D.R., Lee, R.K.H., Holmes, V.F. Alvarez-Cohen, L. (2005) *Applied and Environmental Microbiology*. 71(7): 3866-3871.

RELATED PRODUCTS YOU MAY NEED

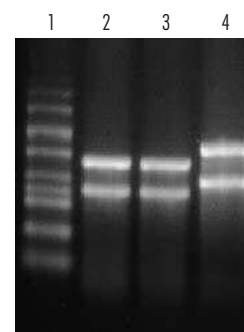
UltraClean™ Microbial DNA Isolation Kit
RNase-Free Gloves
DEPC Treated Water

UltraClean™ Microbial RNA Isolation Kit	
Catalog No.	Quantity
15800-50	50 preps
15800-250	250 preps



Features and Benefits

- Isolates total RNA from microbial cells in 35 minutes
- Yields up to 60 µg high quality RNA for RT and RT-PCR
- Complete kit includes all required RNase-free tubes and ready to use reagents
- Ideal for gram-positive and gram-negative bacteria, yeast, fungi and bacterial spores



High Quality Total RNA from Bacteria and Yeast

Total RNA was isolated from various microorganisms using the UltraClean™ Microbial RNA Isolation Kit and displayed on a 1% formaldehyde/MOPS agarose gel. Lane 1: RNA Ladder; Lane 2: *E. faecalis*; Lane 3: *B. subtilis*; Lane 4: *C. albicans*

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