

Nuclease Detection and Decontamination

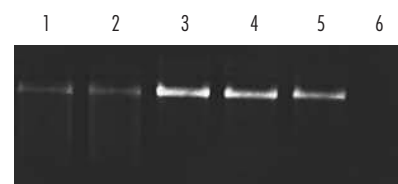


RNase-Free Gloves

Unique nitrile gloves suitable for sensitive nucleic acid experiments

DESCRIPTION

These gloves are specially tested and certified to be free of all RNase and DNase contamination. Our RNase-free gloves protect RNA from degradation, unlike latex gloves which often contain significant levels of RNase contamination as shown in the figure. Made of high quality nitrile, these RNase-free gloves have a fully textured surface for easier gripping of objects and are powder-free to help reduce the risk of skin irritation. Available in extra-small, small, medium and large sizes.



Our RNase-free gloves protect RNA from degradation

A 7 kb mRNA fragment shows no degradation when RNase-free gloves are used. Lanes 1,2: leading latex gloves; Lanes: 3,4 MO BIO RNase-Free Gloves; Lane 5: Negative control; Lane 6: Positive control.



UltraClean™ Lab Cleaner

Surface cleaner to remove nucleases and nucleic acid contaminants

DESCRIPTION

The UltraClean™ Lab Cleaner efficiently removes nucleases (DNase and RNase) and nucleic acid (DNA and RNA) contamination from pipets, bench tops, glassware and labware by simply wiping and rinsing. The UltraClean™ Lab Cleaner replaces time-consuming processes such as DEPC treatment and autoclaving and is useful for RNA, DNA and PCR experiments.

| RNase-Free Gloves | |
|-------------------|----------|
| Catalog No. | Quantity |
| 1555-XS | 100 |
| 1555-S | 100 |
| 1555-M | 100 |
| 1555-L | 100 |

| UltraClean™ Lab Cleaner | |
|-------------------------|-----------------------|
| Catalog No. | Quantity |
| 12095-250 | 250 ml squeeze bottle |
| 12095-500 | 500 ml spray bottle |
| 12095-1000 | 1 liter bottle |

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NUCLEASE DETECTION AND DECONTAMINATION

Nuclease Detection and Decontamination

RNase Detection Kit*

Highly sensitive detection of RNase contamination



Features and Benefits

- Rapid detection protocol takes less than 1.5 hours
- User friendly protocol is as simple as performing an enzymatic digest and running an agarose gel
- All tubes and reagents required are included in kit and ready to use including individually wrapped pipet tips

DESCRIPTION

The RNase Detection Kit sensitively detects RNase contamination present in sample solutions, to a level of 10^{-9} Kunitz units/ μ l. The procedure involves incubating control RNA with test samples, followed by agarose gel analysis using included control standards. The kit is certified RNase-free and is appropriate for screening reagent solutions for RNase activity prior to use with RNA samples. Shipped on dry ice. Must be kept frozen before use.

*For Sale in the U.S. only

REFERENCES:

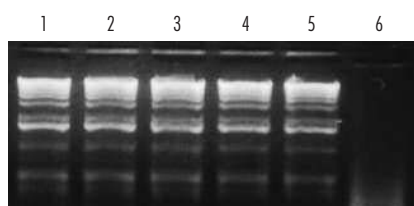
1. Sasaki, T., Chino M., Hayashi, H., Fujiwara, T. (1998) Plant and Cell Physiology 39(8): 895

DNase Detection Kit*

For sensitive detection of DNase contamination

Features and Benefits

- Kit is certified DNase-free
- Procedure complete in less than 1.5 hours



Results Are Easy to Interpret

Four test samples (Lanes 1-4) show no signs of DNA degradation as compared to complete degradation by the positive control (Lane 6). Lane 5: negative control.

DESCRIPTION

The DNase Detection Kit is designed to determine if DNase contamination is present in sample solutions. In the procedure, DNA is incubated with test samples and is then run on an agarose gel for analysis. The DNase Detection Kit is capable of detecting as low as 10^{-7} Kunitz units/ μ l and is ideal for screening PCR buffers and reagents prior to amplification experiments. Shipped on dry ice. Must be kept frozen before use.

*For Sale in the U.S. only

RELATED PRODUCTS YOU MAY NEED

UltraClean™ Lab Cleaner
DEPC Treated Water
RNase-Free Gloves

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| RNase Detection Kit | |
|---------------------|-------------------------|
| Catalog No. | Quantity |
| 12073-1 | 1 test kit (4 samples) |
| 12073-2 | 2 test kit (8 samples) |
| 12073-5 | 5 test kit (20 samples) |

| DNase Detection Kit | |
|---------------------|-------------------------|
| Catalog No. | Quantity |
| 12093-1 | 1 test kit (4 samples) |
| 12093-2 | 2 test kit (8 samples) |
| 12093-5 | 5 test kit (20 samples) |