NucleoGene Decontamination Solution

Instructions for Use

Release Date— 01.12.2019

Store at RT

REF

NG070 250 ml

For decontamination of nucleic acid, virus and bacteria.
For research use only.
Not suitable for diagnostic use.
For professional use only.

Description

NucleoGene Decontamination Solution are reagents that contain ingredients capable of degrading high levels of contaminating DNA and RNA from all types of surfaces. They are designed for the prevention of DNA contamination in PCR applications. NucleoGene Decontamination Solution has a unique composition that does not contain bleach or corrosive substances and has been obtained as a result of long-lasting R&D studies. All you have to do is apply the solution to the surface you are going to clean and wipe it after waiting, it is very easy to use. NucleoGene Decontamination Solution provides effective degredation not only of nucleic acids on surfaces but also of proteins, bacteria and viruses. When 500 ng of template DNA is dried down in a PCR tube, it is rendered unamplifiable upon treatment with NucleoGene Decontamination Solution. Additional experiments demonstrate that the DNA is degraded down to free nucleotides.

Storage and Stability

Room temperature (15° C to 30° C) for several months. For optimal activity over longer periods of time, store at 2° C to 8° C.

Guidelines

Procedure Overview

The NucleoGene Decontamination Solution are ready to use. Treat the surface to be cleaned with Solution and then wait 10 minutes.

Rinse thoroughly with distilled water to remove any degraded nucleic acid and NucleoGene Decontamination Solution mixture residue that might be inhibitory to enzymatic reactions. Do not re-use the Solutions.

Procedure Guidelines

· When using the aerosol attachment, always work in the fume hood. Since the full toxic effects of the aerosol mixture are not known, do not spray the two solutions simultaneously. Consult the MSDS for further safety instructions.

· NucleoGene Decontamination Solution Solutions contain metal ions which may be of concern if a decontaminated vessel, piece of equipment, or apparatus will be used for an experiment which is sensitive to trace amounts of metals. Although thoroughly rinsing with distilled water after NucleoGene Decontamination Solution mixture treatment is usually sufficient to remove any trace metals, you can add a 0.1% EDTA rinse as an extra precaution. Follow the EDTA rinse with several distilled water rinses.

Surface	Amount to be used
Work surfaces	1. Apply Solution to the surface to be cleaned. 2. Wait for 10 minutes. 3. Wipe with clean paper towels. 4. Rinse twice with distilled water and wipe dry with clean paper towels.
Lab equipment	1. Apply Solution to the equipment to be cleaned. 2. Wait for 10 minutes. 3. Rinse with distilled water and wipe dry. **Note:** Clean small parts by briefly soaking them in of the solution, rinse with distilled water, and dry.
Plastic and glass vessels	1. Apply Solution to coat the entire surface of the vessel. 2. Wait for 10 minutes. 3. Agitate the vessel briefly to make sure that the Solution thoroughly cover the surface, then discard the Solution. 4. Rinse thoroughly several times with distilled water.
Pipettors	1. Apply Solution directly on the pipettor. 2. Wait for 10 minutes. 3. Rinse thoroughly with distilled water. **Note:** For more thorough cleaning, remove the shaft of the pipettor according to the manufacturer's instructions. Remove seals and gaskets from the shaft. Apply Solution, rinse several times with distilled water, wipe dry, and reassemble.

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