Geneaid™ RNase Decontaminator

For research use only

Catalogue Number
RND015, RND250

Introduction

The Geneaid™ RNase Decontaminator, which is provided in a convenient spray bottle, is a solution designed to effectively eliminate RNase activity from various laboratory surfaces such as benchtops, plastic and glass containers, and pipettors. This product contains an optimized formulation of key ingredients that can protect precious RNA samples from RNase contamination. The Geneaid™ RNase Decontaminator has been widely used to remove RNase contamination from reaction vessels, and after a thorough rinsing, it does not inhibit enzymatic reactions. To ensure reliable and accurate results, it is recommended to use the Geneaid™ RNase Decontaminator for RNase decontamination treatment before conducting any experiments.

Content

	RND015	RND250
Geneaid™ RNase Decontaminator	15 ml	250 ml

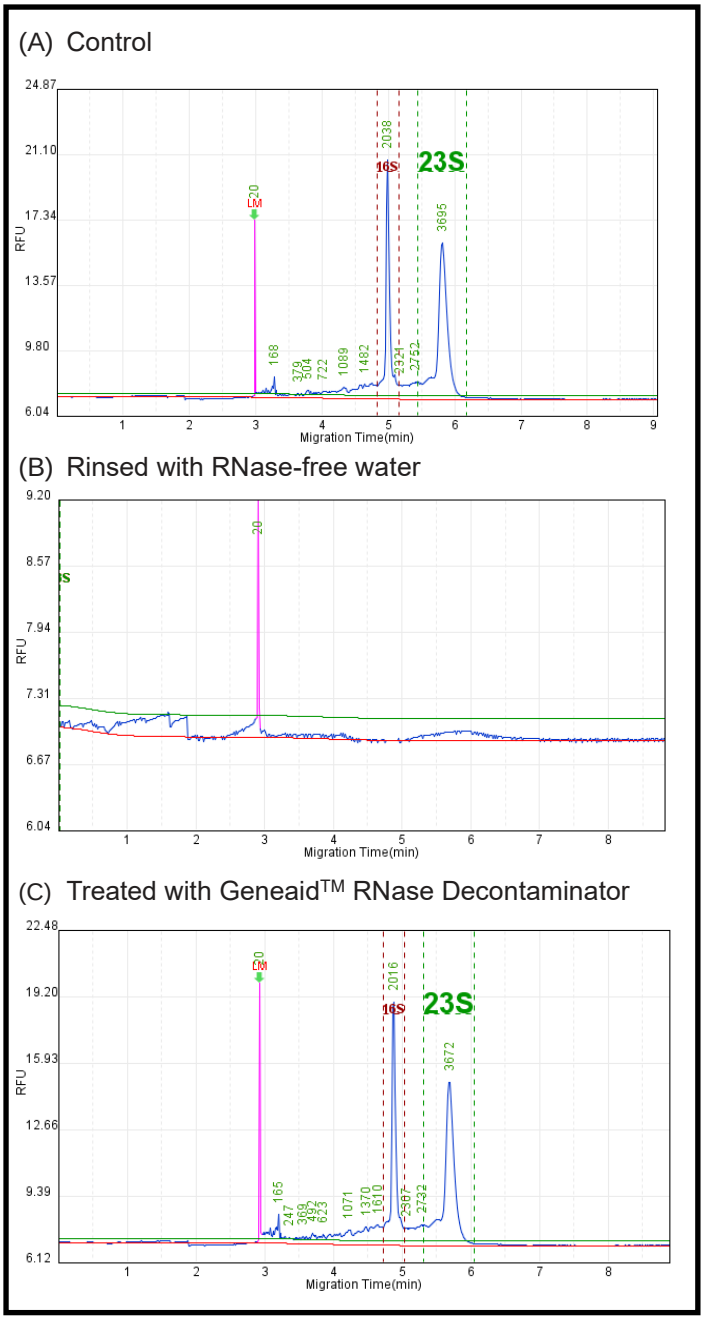
Caution

- Always wear a lab coat, disposable gloves, protective goggles and (anti-fog) procedure mask when using Geneaid™ RNase Decontaminator, as prolonged exposure to the skin may lead to irritation.
- Geneaid™ RNase Decontaminator should not be used on corrodible metal surfaces.

Geneaid™ RNase Decontaminator Protocol

	Procedure
Cleaning work surfaces	• Apply Geneaid™ RNase Decontaminator directly to the work area to be cleaned. • Wipe thoroughly with paper towel. • Rinse with RNase-free water or ultrapure water, and then wipe dry.
Cleaning lab instruments	• Apply Geneaid™ RNase Decontaminator to a paper towel and wipe all exposed surfaces of the instruments thoroughly. • Rinse with RNase-free water or ultrapure water and then wipe dry. • Certain small components may be cleaned by briefly immersing them in Geneaid™ RNase Decontaminator solution, followed by a rinse with ultrapure water and subsequent drying.
Cleaning plastic and glass vessels	• Apply or spray sufficient Geneaid™ RNase Decontaminator to ensure that the entire inner surface of the container can be evenly coated when swirled, or vortexed in the case of centrifuge and microfuge tubes. • Once the solution is discarded, rinse the containers thoroughly with RNase-free water or ultrapure water two times.
Cleaning pipettes	• Apply Geneaid™ RNase Decontaminator to a paper towel and wipe all exposed surfaces of the pipettes. • If applicable, follow the manufacturer's instructions to remove the ejector for separate cleaning. • Rinse with RNase-free water or ultrapure water and then wipe dry and reattach ejector if needed. • Alternatively, remove shaft from pipette and then remove seals and gaskets from the shaft follow the manufacturer's instructions. Soak shaft for one minute in Geneaid™ RNase Decontaminator to decontaminate. Rinse the shaft thoroughly with RNase-free water or ultrapure water and then reassemble pipette.

Geneaid™ RNase Decontaminator Test Data



Efficient Removal of RNase contamination. 0.5U of RNase A was added and evenly coated on the inner surfaces of two microcentrifuge tubes. One tube was then rinsed with RNase-free water (B). The other tube was treated with Geneaid™ RNase Decontaminator and then rinsed with RNase-free water (C). 2 µg of *E.coli* RNA were added to each of the microcentrifuge tubes and incubated at 37°C for 30 minutes. The RNA integrity was then analyzed by capillary electrophoresis (BiOptic Qsep 100). The data showed that the RNase contamination was fully removed by Geneaid™ RNase Decontaminator, the integrity of RNA remained as good as that of the control (A and C).