



Biological Industries Israel  
Beit Haemek Ltd

## RNase-ExitusPlus™ RNase Decontamination Solution

Cat. No.: 01-897-1  
Storage Conditions: Room Temperature (15-30°C)  
Available Size: (B) 100 ml;(L) 250ml Plastic Spray Bottle  
Stability: 18 Months

### Product Description

*RNase-Exitus Plus™* is a ready-to-use, non-alkaline, non-corrosive and non-carcinogenic cleansing agent that is highly active against RNase contamination from any surface including microcentrifuge tubes. It is also heat-resistant.

Some Predominant Characteristics of *RNase-Exitus Plus™* include:

- ✚ All Components are not only readily biodegradable but also not harmful, irritating or toxic to Humans and the Environment
- ✚ Catalytic Effects which cause a very rapid non-enzymatic, non-sequence-specific degradation of protein and RNase Molecules
- ✚ Equipment and materials are not negatively impacted even after prolonged contact times due to the absence of any untoward acid or alkaline substances.
- ✚ No volatile organic compounds(VOC's) eliminating aerosols or toxic fumes
- ✚ Increased Efficiency and Biological Activity in the presence of elevated temperatures( $\geq 50^{\circ}\text{C}$ )

### Precaution and Disclaimer

1. Often at colder temperatures a visible precipitate may be observed. Just simply warm the solution to 37°C and the precipitate will disappear.
2. Do not use the *RNase-Exitus Plus™* beyond the expiration date indicated on the product label.

### Storage and Stability

*RNase-Exitus Plus™* should be stored at Room Temperature (15-30°C). It is stable for 18 months from Date of Production as indicated on the label.

- 1) The optimal contact time for surface decontamination is ten (10) minutes. To ensure complete surface contamination, allow a longer contact time. It is permissible to wipe off the treated area even though still damp after the longer contact time ( $\geq 15$  minutes). There is no need to rinse the surface with sterile water as traditionally done with other decontamination solutions. This is another advantage with *RNase-Exitus Plus*.<sup>TM</sup>
- 2) After the solution has completely dried, the decontamination process has technically ended. In case of severe contamination, a second application is recommended. A total contact time of 30 minutes has proven to be most sufficient and therefore a period over this established interval is not beneficial.
- 3) A color indicator has been integrated for the purpose of easy detection/identification of unwanted residual traces of the solution. When the surface has completely dried (i.e. up to 40 minutes), residual traces will appear violet to blue in color. These traces may be wiped easily and removed with sterile water.

### *Specific Detailed Decontamination Instructions/Procedures*

**Laboratory Surfaces:** Apply *RNase-Exitus Plus* <sup>TM</sup> directly to the surface to be decontaminated. Allow the minimum aforementioned contact time of 10-15 minutes. Wipe thoroughly with a paper towel, rinse with water and dry with a clean, paper towel.

**Laboratory Apparatus:** Generously apply *RNase-Exitus Plus* <sup>TM</sup> to a paper towel and wipe all exposed surfaces of the apparatus thoroughly. Allow the minimum aforementioned contact time of at least 10-15 minutes. Rinse with water and dry with a clean paper towel. For cleaning small parts, briefly soak them in the solution for the aforementioned contact time, rinse with water and dry.

**Plastic and Glass Vessels:** Add an ample amount of *RNase-Exitus Plus* <sup>TM</sup> to ensure complete coverage/coating of the entire vessel surface by swirling or by vortexing. Allow the minimum aforementioned contact time of at least 10-15 minutes. Discard the excess solution and rinse the vessels twice thoroughly with distilled water.

**Pipettors:** Follow the Manufacturer's Instructions for dismantling the pipettor. Soak the pipettor shaft for at least one minute *in RNase-Exitus Plus*, <sup>TM</sup> rinse thoroughly with water, allow to air dry and reassemble according to manufacturer's instructions.

### ***RNase-Exitus Plus* <sup>TM</sup> As An Additive During Autoclaving:**

Tests have shown that the action of *RNase-Exitus Plus* <sup>TM</sup> is much more effective at elevated temperatures (30-120°). Autoclavable equipment, instruments and similar products can be autoclaved in *RNase-Exitus Plus*.<sup>TM</sup>

### Related Products

<i>Product</i>	<i>Catalog No.</i>
Pharmacidal Disinfectant Solution	IC-110100
AQUAGUARD-1(For Disinfection of Water Baths in CO <sub>2</sub> Incubators)	01-867-1
AQUAGUARD-2(For Disinfection of Ordinary Water Baths)	01-916-1
<i>DNA-Exitus Plus</i> <sup>TM</sup>	01-898-1