

RNaseOVER RNase Deactivation Buffer

Troubleshooting Guide

250 mL, 6 x 250 mL

Cat No: RO250, RO2506

Use this guide for common handling and decontamination issues with RNaseOVER RNase Deactivation Buffer. The product is used directly on glass and plastic laboratory surfaces and must be rinsed away after treatment; the datasheet specifically warns against dilution and use on corrodible metal surfaces.

Before You Start - Quick Checks

1. Store at room temperature and do not dilute the solution.
2. If precipitate forms, gently shake and/or warm to 37°C until completely dissolved.
3. Wear gloves; when using a spray attachment, work in a fume hood to reduce aerosol/vapor exposure.
4. Rinse treated surfaces or vessels thoroughly with water after decontamination.
5. Do not apply the solution to corrodible metal surfaces.

Problem	Most likely cause	Recommended action
RNase decontamination appears ineffective	The solution may have been diluted, reducing its effectiveness.	Use RNaseOVER undiluted as specified in the datasheet.
Precipitate is visible in the bottle	Lower temperature may have caused precipitation.	Gently shake and/or warm the container to 37°C until the precipitate completely dissolves.
Residue remains after treatment	The treated item may not have been rinsed adequately.	Rinse work surfaces and apparatus with water; rinse plastic/glass vessels twice with distilled water as specified.
A work surface remains wet or streaked	The surface may not have been dried after rinsing.	After rinsing, dry the area with a clean paper towel.
Plastic or glass vessel may not be fully decontaminated	The inner surface may not have been completely coated.	Add or spray enough solution to fully coat the inner surface, swirl or vortex when appropriate, then discard and rinse twice with distilled water.
Pipettor decontamination is incomplete	The shaft may not have been soaked and rinsed according to the procedure.	Disassemble according to the manufacturer, remove seals/gaskets, soak the shaft for one minute, rinse thoroughly, dry, and reassemble.
Concern about metal compatibility	The surface may be a corrodible metal.	Do not apply RNaseOVER to corrodible metal surfaces.
Irritation or aerosol exposure is a concern	The solution may have contacted skin or aerosolized during spraying.	Wear gloves and use spray attachments in a fume hood as stated in the datasheet; consult the MSDS for safety information.
Small detachable parts were treated but not rinsed	Residual solution may remain after soaking.	After brief soaking, rinse the parts with water and dry thoroughly before reuse.

Still having trouble? Confirm that RNaseOVER was used undiluted, any precipitate was fully dissolved, the treated area was completely coated, and all treated items were thoroughly rinsed and dried. Do not use on corrodible metal surfaces.