

ToxOut™ Rapid Endotoxin Removal Regeneration Buffer

12/15

(Store at 4°C; Do not freeze)

Cat. No.

7939-50 ToxOut™ Rapid Endotoxin Removal Regeneration Buffer, 10 ml × 5 vials

I. Introduction:

Endotoxin is the lipopolysaccharide (LPS) complex located in the outer membrane of gram-negative bacteria. During experimental procedures, large amount of endotoxins are shed and can easily contaminate labware, buffers and downstream products. Presence of endotoxin in any of these has a detrimental effect on culturing of cells and can lead to generation of irreproducible or negative experimental data. Therefore, it is critical to remove endotoxin from samples and products.

ToxOut™ Rapid Endotoxin Removal Regeneration Buffer is the endotoxin-free regeneration buffer containing 1% sodium deoxycholate. It is specially designed for quickly regenerating BioVision's ToxOut™ Rapid Endotoxin Removal Agarose, which can quickly and effectively eliminate endotoxins to < 0.05 EU/mL in solutions containing proteins or pharmacologically important components.

II. Applications:

- Quickly regenerate ToxOut™ Rapid Endotoxin Removal Agarose (Cat. No. 7941-5)
- Quickly regenerate spin columns in ToxOut™ Rapid Endotoxin Removal Kit (Cat. No. K2501-5)

III. Contents:

1% sodium deoxycholate in ToxOut™ Endotoxin-free water (Cat. No. 7938-50). Endotoxin-free level is ≤0.05 EU/ml.

IV. Storage and Handling:

- Store at 4°C. Do not freeze.
- Handle endotoxin free buffer with extra caution to prevent endotoxin contamination from dust, solution or dirty labware.
- Read entire protocol before performing the experiment.

V. Shelf Life:

- ToxOut™ Endotoxin-free buffers expire 2 months after opening.

VI. Protocol for using ToxOut™ Rapid Endotoxin Removal Regeneration Buffer:**VII. Notes:**

- ToxOut™ Rapid Endotoxin Removal Spin Column and ToxOut™ Rapid Endotoxin Removal Agarose must be regenerated by ToxOut™ Rapid Endotoxin Removal Regeneration Buffer before each use, **including first use**.
- *Quick Spin* means to centrifuge the spin column <150 × g for 10 seconds.

A. Procedure for regenerating ToxOut™ Rapid Endotoxin Removal Agarose:

1. Pack the appropriately sized column with ToxOut™ Rapid Endotoxin Removal Agarose
2. Regenerate the resin by washing with 5 resin-bed volumes of ToxOut™ Rapid Endotoxin Removal Regeneration Buffer.
3. Wash the resin with 3-5 resin-bed volumes of ToxOut™ Endotoxin-free Water.
4. Continue with the protocol of ToxOut™ Rapid Endotoxin Removal Agarose.

B. Procedure for regenerating spin columns in ToxOut™ Rapid Endotoxin Removal Kit:

1. Place a spin column in a new ToxOut™ Endotoxin-free Collection Tube. *Quick Spin* to remove the storage solution. Discard the solution.
2. Add 0.5 ml ToxOut™ Endotoxin-free Water and invert the column 3 times. *Quick Spin* to remove the solution. Discard the solution.
3. Regenerate the column by adding 0.5 ml ToxOut™ Rapid Endotoxin Removal **Regeneration Buffer** and invert the column 3 times. *Quick Spin* to remove the solution. Discard the solution.
4. Continue with the protocol of ToxOut™ Rapid Endotoxin Removal Kit.

VIII. Related Products:

ToxOut™ Rapid Endotoxin Removal Kit (Cat. No. K2501-5)
ToxOut™ Rapid Endotoxin Removal Agarose (Cat. No. 7941-5)
ToxOut™ High Capacity Endotoxin Removal Kit (Cat. No. K2502-5)
ToxOut™ High Capacity Endotoxin Removal Agarose (Cat. No. 7942-5)
ToxOut™ Endotoxin Removal Equilibration Buffer (Cat. No. 7940-50)
ToxOut™ Endotoxin-free Collection Tube, 2.0 ml (Cat. No. 7937-50)
ToxOut™ Endotoxin-free Water (Cat. No. 7938-50)
ToxOut™ Endotoxin-free PBS (Cat. No. 7943-50)
ToxOut™ Endotoxin-free Glass Vial (Cat. No. 7944-2, -10)

FOR RESEARCH USE ONLY! Not to be used on humans.

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