

# ToxOut™ Endotoxin Removal Equilibration Buffer

12/15

(Store at 4°C; Do not freeze)

---

**Cat. No.**

**7940-50 ToxOut™ Endotoxin Removal Equilibration 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™ Endotoxin Removal Equilibration Buffer** is designed to equilibrate BioVision's ToxOut™ Rapid Endotoxin Removal Agarose and ToxOut™ High Capacity Endotoxin Removal Agarose to neutral pH for better detox efficiency and protein recovery. Both ToxOut™ Rapid Endotoxin Removal Agarose and ToxOut™ High Capacity Endotoxin Removal Agarose can effectively eliminate endotoxins to  $\leq 0.05$  EU/mL in solutions containing proteins or pharmacologically important components.

**II. Applications:**

- Equilibrate ToxOut™ Rapid Endotoxin Removal Agarose (Cat. No. 7941-5) and ToxOut™ High Capacity Endotoxin Removal Agarose (Cat. No. 7942-5)
- Equilibrate spin columns in ToxOut™ Rapid Endotoxin Removal Kit (Cat. No. K2501-5) and ToxOut™ High Capacity Endotoxin Removal Agarose (Cat. No. K2502-5)

**III. 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.

**IV. Shelf Life:**

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

**V. Procedure for using ToxOut™ Endotoxin Removal Equilibration Buffer:**

1. Pack an appropriately sized column with ToxOut™ Rapid Endotoxin Removal Agarose or ToxOut™ High Capacity Endotoxin Removal Agarose. Note: The Spin columns in ToxOut™ Rapid Endotoxin Removal Kit or ToxOut™ High Capacity Endotoxin Removal Agarose are both **100 µl resin/column**.
2. Regenerate the column with the protocols of ToxOut™ Rapid Endotoxin Removal Kit or ToxOut™ High Capacity Endotoxin Removal Kit.
3. Equilibrate Endotoxin Removal Agarose with 5 resin-bed volumes of ToxOut™ Endotoxin Removal Equilibrate Buffer.
4. Continue with protocols of ToxOut™ Rapid Endotoxin Removal Kit or ToxOut™ High Capacity Endotoxin Removal Kit.  
Optional: Higher sample recovery rate may be achieved by eluting with 2-4 resin-bed volumes of ToxOut™ Endotoxin Removal Equilibration Buffer.

**VI. 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™ Rapid Endotoxin Removal Regeneration Buffer (Cat No. 7939-50)  
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.**

155 S. Milpitas Blvd., Milpitas, CA 95035 USA | T: (408)493-1800 F: (408)493-1801 | [www.biovision.com](http://www.biovision.com) | [tech@biovision.com](mailto:tech@biovision.com)