**Chlamydia trachomatis LGV-II (434 Strain)**  
**Heat-Inactivated Elementary Bodies**

**Catalog Number:** 10-265-000  
**Lot Number:** G0506  
**Product Description:** *Chlamydia trachomatis* Serovar L2 (434 Strain) purified elementary bodies inactivated by heat and validated to be noninfectious.  
**Unit Size:** 1.0 mL  
**Suspending Buffer:** SPG buffer (10 mM Sodium phosphate, 220 mM Sucrose, 0.50 mM L-Glutamic acid), pH 7.0  
**Heat Inactivation:** Purified elementary bodies of *Chlamydia trachomatis* were inactivated by heat at an optimum temperature and exposure time.

**QUALITY CONTROL DATA**

**Sterility Tests:** Bacteria, yeasts, and fungi were not detected (USP-NF).  
**EB Count by TEM:** $8.3 \times 10^9$ EB/mL (prior to inactivation)  
**Validation of Inactivation:** After treatment with heat, this lot was specifically tested for residual activity and no infectious elementary bodies were detected. The inactivated EB’s were titrated in Vero cells over a 7-day period with endpoint determination by cytopathic effect (CPE). Viable purified EB’s of the same lot and mock-infected Vero cells were included as positive and negative controls, respectively, for the assay.  
**Quantitative DNA PCR:** Lot No. G0506 Heat-Inactivated EB’s: $7.1 \times 10^8$ copies/mL

**PRODUCT DETAILS**

**Shipping and Storage:** This product is shipped frozen on dry ice. Store at -70°C upon receipt. Avoid multiple freeze-thaw cycles as product degradation may result.  
**Recommendations:** Upon thawing, centrifuge the vial for a few seconds to remove residual droplets from the lid.  
**Safe Handling Recommendation:** This inactivated biological preparation should be handled in accordance with biosafety guidelines defined in the BMBL, NIH-CDC HHS Publication No. (CDC) 21-1112.

This product is for research use only. Not for use in diagnostic procedures.
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