

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: R02121 **Lot #:** 1L34721

Description: *C. Trachomatis* LGV Type-2 EB
Chlamydia trachomatis LGV Type 2, Elementary Bodies (EB)

Source: Mouse L Cells
Chlamydia trachomatis LGV Type II
Strain: 434

Format: Purified, Liquid

Purification: Mouse L cells are infected with *C. trachomatis* elementary bodies. Optimally infected cells are harvested and disrupted by sonication in PBS. Cellular debris is removed using centrifugation.

Concentration: 4.3 mg/mL (Bio-Rad Dye Binding Microassay) (minimum concentration 1 mg/mL).
Titer is controlled lot-to-lot by ELISA IgG reactivity.

Buffer: Phosphate Buffered Saline, pH 7.2

Preservative: None

Applications: Should be sonicated immediately prior to use to ensure that the preparation is uniform. Used for both IgG and IgM detection in assays which include EIA with polystyrene and latex solid phases and M capture formats. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Store at -70°C to -100°C. Avoid multiple freeze/thaw cycles.

Inactivation: Inactivated using gamma radiation. Effective primarily by damaging chlamydial genetic material. Effectiveness of inactivation is tested by inoculating an L cell monolayer with antigen. The culture is manipulated using the original optimal culture conditions used to manufacture the antigen. The culture is monitored for cytopathic effect for 5 days. If no signs of infection are observed the culture is passaged into a fresh monolayer. The second passage is monitored for a further 5 day period. If no cytopathic effect is observed in either passage the antigen is considered inactivated. Result: No growth detected.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

References: The reference listed below is for research purposes only:
Neff, L., et al., (2007), "Molecular Characterization and Subcellular Localization of Macrophage Infectivity Potentiator, a *Chlamydia trachomatis* Lipoprotein", *Journal of Bacteriology*, **189**(13): 4739-4748.

Quality Signature: 

15DEC2021

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY