

Datasheet: MPP014

Description:	CHLAMYDIA TRACHOMATIS
Name:	CHLAMYDIA TRACHOMATIS
Format:	Inactivated Pathogen
Product Type:	Antigen
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bacterial
Product Form	Inactivated <i>Chlamydia trachomatis</i> , LGV type II strain 434, saline lysate - frozen
Preparation	<p>Optimally infected cells are washed and disrupted into a small volume of phosphate buffered saline, subjected to 3 freeze/thaw cycles and centrifuged to remove cellular debris.</p> <p>The preparation is inactivated by heat treatment and 0.05% Triton X-100. Inactivation is verified by two blind passages on permissive cells showing no inclusion bodies.</p>
Buffer Solution	Phosphate buffered saline 0.05% Triton X-100
Preservative Stabilisers	None present
Approx. Protein Concentrations	Total protein concentration 4.2mg/ml.
Product Information	<i>Chlamydia trachomatis</i> is a non-motile, Gram-negative human pathogen. It undergoes a

unique biphasic developmental cycle, forming elementary bodies extracellularly and distinctive intracellular inclusions. The elementary body is infectious but metabolically inactive, cannot replicate and lacks detectable peptidoglycan.

Chlamydia trachomatis is a common sexually transmitted bacterium. Chlamydia infection may cause proctitis, urethritis, trachoma (an eye infection and the leading cause of blindness worldwide) and infertility in both sexes. Prostatitis and epididymitis may occur in men and in women infection might lead to acute or chronic pelvic pain, pelvic inflammatory disease, cervicitis and ectopic pregnancy. In neonates the pathogen may cause trachoma and pulmonary complications.

Chlamydia trachomatis (**MPP014**) is a heat inactivated saline lysate preparation of *Chlamydia trachomatis*. This preparation is useful for applications that require low concentrations of contaminating protein.

Activity	This product has been rendered inactive by standard procedures. However this material should still be handled as infectious and should be disposed of appropriately.
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Storage	Store at -70°C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.
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Guarantee	18 months from date of despatch.
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Health And Safety Information	Material Safety Datasheet documentation #10182 available at: 10182: https://www.bio-rad-antibodies.com/uploads/MSDS/10182.pdf
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Regulatory	For research purposes only
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