



**Microbix Biosystems Inc.**

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*Product Name:*

Chlamydia pneumoniae Cell Lysate

*Catalogue Number:* EL-46-02

*Storage:* Store this antigen preparation frozen at - 70 °C to - 100 °C. Repeated freezing and thawing should be avoided.

*Hazards:* Generally accepted good laboratory practices appropriate to biological reagents should be employed when handling this product.

*Strain:* CWL-029

*Cultured In:* HL cells

*Buffer:* SPG buffer

*Preparation:* HL cells are infected with Chlamydia pneumoniae. Optimally infected cells are harvested. The final preparation is resuspended in SPG buffer.

*Inactivation:* Chlamydia pneumoniae Cell Lysate is inactivated by exposing the material to gamma irradiation.

*Description:* Chlamydia pneumoniae in SPG buffer.

*Assistance:* If you have any questions regarding the production, testing or use of this antigen, please send them by email to [customer.service@microbix.com](mailto:customer.service@microbix.com) or fax 905-361-8911, with any relevant data, to Microbix Technical Services. Your complete satisfaction with the performance of this product is important to us.

## Testing Information

*Product Name:* Chlamydia pneumoniae Cell Lysate

*Lot Number:* 46011A1

Microbix performs qualitative and quantitative tests on all developmental antigens. Test results are provided with each lot of antigen shipped. Antigen users require this information for a number of reasons:

- to maintain a record for good manufacturing purposes,
- to correlate user results with Microbix results and
- for use as a starting point for those just starting with either a new antigen or developing a new assay.

It is important that each user perform titrations of antigen using their own assay as each assay format and serum release panel makes different performance demands on the antigen. Often, use of an antigen may be optimized by making adjustments to concentrations of other assay reagents such as conjugate. Once this is complete the result is cost effective use of the antigen and optimal assay performance.

### *Test:*

*Inactivation Assay:* The effectiveness of inactivation is tested by inclusion forming assay. If no inclusions are observed, the antigen is considered inactivated.

*Result:* 0 IFU/mL

*Protein Assay:* Protein is determined by using the BioRad dye-binding assay against a bovine gamma globulin standard.

*Result:* 2.41 mg/mL



Quality Assurance Signature

08-May, 2010