

Native Legionella Pneumophila Antigen Protein

Cat. No. LPA-352L Lot. No. (See product label)

SPECIFICATION

Product Overview	Native Legionella Pneumophila Antigen Protein is purified from Legionella pneumophila culture. Purification: Washed, heat treated organisms are presented as a whole cell suspension. Inactivation: Heat treatment. Confirmation by attempted growth under original culture conditions.
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Species	LP
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Source	LP
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Description	Atypical pneumonia is caused by non-traditional pathogens such as Mycoplasma pneumoniae (M. pneumoniae), Chlamydia pneumoniae (C. pneumoniae) and Legionella pneumophila. These bacteria can cause outbreaks and lead to serious complications in susceptible populations such as children and the elderly. Both M. pneumoniae and C. pneumoniae are respiratory pathogens that can be spread from person-to-person through coughing and sneezing. Legionella on the other hand is found naturally in fresh water and can contaminate warm-water systems such as hot tubs, cooling towers (e.g. air-conditioning units for large buildings), hot water tanks, etc. spreading to humans as a mist or vapor containing the bacteria (transmission is not person-to-person). Several methods are available for the detection of Legionella, M. pneumoniae and C. pneumoniae infection including culture, serological tests and qPCR. However, rapid assays for specific IgM antibody detection and antigen detection are highly sought after, due to their advantage of speed to prevent outbreaks. For Legionella, existing assays rely on urine specimens, although new techniques for water samples are emerging.
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Form	Whole Cell, Liquid. Phosphate Buffered Saline
Applications	Suitable for use in EIA. 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 -20 centigrade to -80 centigrade. Avoid multiple freeze/thaw cycles.
Concentration	2.94 mg/mL (Bradford)

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