

### CERTIFICATE OF ANALYSIS

<b>Catalog #</b>	BN1400	<b>Lot #</b>	<b>LOT SPECIFIC</b>
<b>Description</b>	L. pneumophila Ag Lysate Legionella pneumophila (Serotype 1~7 mix) Antigen Lysate		
<b>Source</b>	Legionella pneumophila culture		
<b>Format</b>	Whole Cell, Liquid		
<b>Purification</b>	Crude Lysate, heat treated organisms are presented as a whole cell suspension		
<b>Concentration</b>	Enter concentration mg/ml (BCA, using BSA standards)		
<b>Buffer</b>	Phosphate Buffered Saline		
<b>Preservative</b>	None		
<b>Application</b>	Suitable for use in ELISA, Western Blots, lateral flow and other immunoassays. 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.		
<b>Inactivation</b>	Heat treatment. Confirmation by attempted growth under original culture conditions.		
<b>Storage</b>	Store at -80°C. Avoid multiple freeze/thaw cycles.		
<b>Safety Note(s)</b>	Refer to the appropriate Safety Data Sheet (SDS) for additional information.		
<b>Note</b>	Centrifuge before opening to ensure complete recovery of vial contents.  Legionella pneumophila antigen is a biomarker commonly detected in urine to diagnose Legionnaires' disease, a severe form of pneumonia caused by the Legionella bacteria. Serotype 1 is the most serious and responsible for the majority of infections. Western blot revealed that Legionella pneumophila antigen reacted with L. pneumophila positive antiserum		

**Quality Signature:**

DD MMM YYYY

**Verification Signature:**

DD MMM YYYY

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**