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CERTIFICATE OF ANALYSIS

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

Catalog #: B65420F **Lot #:** 4I25519

Description: Rabbit *A' Listeria monocytogenes*
Rabbit Antibody to *Listeria monocytogenes*
Fluorescein Conjugated

Specificity: Recognizes whole cells. Antiserum is not absorbed and may react with other related microorganisms. Cross-reacts with Group A Streptococcus, Group B Streptococcus, *S. pneumoniae*, *Staph aureus*, *Clostridium perfingens* and *Bacillus subtilis*.

Host Animal: Rabbit

Immunogen: *Listeria monocytogenes*; ATCC #43251

Format: FITC, Liquid

Purification: Coupled with high purity Isomer I of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

Concentration: 4-5 mg/mL (OD280nm, $E^{0.1\%} = 1.4$)

Buffer: 0.01 M Phosphate Buffered Saline, pH 7.2 containing 10 mg/mL BSA.

Preservative: 0.1% Sodium Azide

Applications: Suitable for use in ELISA and Immunofluorescence. 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: Short-term (up to 6 months) store at 2-8°C under subdued light. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.

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

References: The references listed below are for research purposes only:

1. Desai, P.T., et al., (2008), "Solid-Phase Capture of Pathogenic Bacteria by Using Gangliosides and Detection with Real-Time PCR", Applied and Environmental Microbiology, **74**(7): 2254-2258.
2. Antonini, J.M., et al., (2002), "Residual Oil Fly Ash Increases the Susceptibility to Infection and Severely Damages the Lungs after Pulmonary Challenge with a Bacterial Pathogen", Toxicological Sciences, **70**: 110-119.
3. Van Kirk, L.S., et al., (2000), "Ultrastructure of Rickettsia rickettsii Actin Tails and Localization of Cytoskeletal Proteins", Infection and Immunity, **68**(8): 4706-4713.
4. Heinzen, R.A., et al., (1999), "Dynamics of Actin-Based Movement by Rickettsia rickettsii in Vero Cells", Infection and Immunity, **67**(8): 4201-4207.

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FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY