

## CERTIFICATE OF ANALYSIS

|                        |  |               |         |
|------------------------|--|---------------|---------|
| <b>Important Note:</b> | <b>Centrifuge before opening to ensure complete recovery of vial contents.</b>   |               |         |
| <b>Catalog #:</b>      | B65420B  | <b>Lot #:</b> | 7L35720 |
| <b>Description:</b>    | Rabbit A' <i>Listeria monocytogenes</i><br>Rabbit Antibody to <i>Listeria monocytogenes</i><br>Biotin Conjugated   |               |         |
| <b>Specificity:</b>    | Recognizes whole cells. Antiserum is not absorbed and may react with other related microorganisms. Cross-reacts with Group A Streptococcus, Group B Streptococcus, <i>S. pneumoniae</i> , <i>Staph aureus</i> , <i>Clostridium perfringens</i> and <i>Bacillus subtilis</i> .  |               |         |
| <b>Host Animal:</b>    | Rabbit   |               |         |
| <b>Immunogen:</b>      | <i>Listeria monocytogenes</i> , ATCC #43251  |               |         |
| <b>Format:</b>         | Biotin, Liquid   |               |         |
| <b>Purification:</b>   | IgG fraction covalently coupled with the N-Hydroxysuccinimide ester of biotin under mild conditions to give a high degree of substitution.   |               |         |
| <b>Concentration:</b>  | 4–5 mg/mL (OD280nm, E <sup>0.1%</sup> = 1.4)   |               |         |
| <b>Buffer:</b>         | 0.01 M Phosphate Buffered Saline pH 7.2<br>This product contains no stabilizing proteins.  |               |         |
| <b>Preservative:</b>   | 0.1% Sodium Azide  |               |         |
| <b>Applications:</b>   | Suitable for use in Immunofluorescence and with avidin and streptavidin amplification systems for ELISA. 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>Storage:</b>        | Short-term (up to 6 months) store at 2–8°C. Long term, aliquot and store at –20°C. Avoid multiple freeze/thaw cycles.  |               |         |
| <b>Safety Note(s):</b> | Refer to the appropriate Safety Data Sheet (SDS) for additional information.   |               |         |
| <b>References:</b>     | The references listed below are for research purposes only: <ol style="list-style-type: none"><li>Desai, P.T., et al., (2008), "Solid-Phase Capture of Pathogenic Bacteria by Using Gangliosides and Detection with Real-Time PCR", <u>Applied and Environmental Microbiology</u>, <b>74</b>(7): 2254-2258.</li><li>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", <u>Toxicological Sciences</u>, <b>70</b>: 110-119.</li><li>Van Kirk, L.S., et al., (2000), "Ultrastructure of Rickettsia rickettsii Actin Tails and Localization of Cytoskeletal Proteins", <u>Infection and Immunity</u>, <b>68</b>(8): 4706-4713.</li><li>Heinzen, R.A., et al., (1999), "Dynamics of Actin-Based Movement by Rickettsia rickettsii in Vero Cells", <u>Infection and Immunity</u>, <b>67</b>(8): 4201-4207.</li></ol> |               |         |

Quality Signature:



22 DEC 2020

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**