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CERTIFICATE OF ANALYSIS

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

Catalog #: B65703R **Lot #:** 5K31421

Description: Rabbit anti *Salmonella* sp.
Rabbit Antibody to *Salmonella* Species
Fluorescein Conjugated

Specificity: Polyvalent for *Salmonella* "O" &"H" antigens. Immunocaptures *Salmonellae*. Antiserum is not absorbed and does react with related *Enterobacteriaceae*.

Host Animal: Rabbit

Immunogen: Mixture of *S. enteriditis, S. typhimurium,* and *S. heidelburg*

Format: FITC, Liquid

Purification: Purified IgG fraction of the antiserum covalently 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 direct IFA. Acetone fixation of the antigen source is recommended prior to staining. 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 Notes (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. Taitt, CR., et al., (2004), "Detection of Salmonella enterica Serovar Typhimurium by Using a Rapid, Array-Based Immunosensor", Applied and Environmental Microbiology, **70**(1): 152-158.
3. Barnich, N., et al., (2005), "GRIM-19 Interacts with Nucleotide Oligomerization Domain 2 and Serves as Downstream Effector of Anti-bacterial Function in Intestinal Epithelial Cells", Journal of Biological Chemistry, **280**(19): 19021-19026.
4. Sapsford, K.E., et al., (2004), "Detection of campylobacter and shigella species in food samples using an array biosensor", Analytical Chemistry, **76**(2): 433-440.

Quality Signature: Brenda Dunn 11NOV2021

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY