



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

Specifications Microorganism Name: Salmonella enterica subsp. enterica serovar typhimurium Catalog Number: 0363 Lot Number: 363-318** Reference Number: ATCC® 14028™* Purity: Pure Passage from Reference: 3 (7) Mean Assay Value (MAV): 64 CFU per 0.1 ml	Expiration Date: 2019/9/30 Release Information: Quality Control Technologist: Christine Condon Release Date: 2017/11/8
Performance	
Macroscopic Features: Medium, gray/white, circular, slightly irregular edges, convex colonies Microscopic Features: Gram negative straight rods	Medium: SBAP Method: Gram Stain (1)
ID System: MALDI-TOF (1) See attached ID System results document.	Other Features/ Challenges: Results (1) Oxidase (Kovacs): negative Hektoen Enteric agar: good growth, blue-green colonies with black centers (1) Salmonella O antiserum Factor O:4 (Included in group B): positive (1) Salmonella O antiserum Factor O:5 (Included in group B): positive (1) Salmonella O antiserum Factor O:12 (Included in group B): positive  Amanda Kuperus Quality Control Manager AUTHORIZED SIGNATURE
**Disclaimer: The last digit(s) of the lot number appearing on the product label and packing slip are merely a packaging event number. The lot number displayed on this certificate is the actual base lot number. Note for Vitek®: Although the Vitek® panel uses many conventional tests, the unique environment of the card, combined with the short incubation period, may produce results that differ from published results obtained by other methods. ⚠ Refer to the enclosed product insert for instructions, intended use and hazard/safety information. Individual products are traceable to a recognized culture collection.  REFERENCE MATERIAL PRODUCER CERT #2655.02  ATCC Licensed Derivative  TESTING CERT #2655.01 (*) The ATCC Licensed Derivative Emblem, the ATCC Licensed Derivative word mark and the ATCC catalog marks are trademarks of ATCC. Microbiologics, Inc. is licensed to use these trademarks and to sell products derived from ATCC® cultures. (1) These tests are accredited to ISO/IEC 17025:2005. (7) The Mean Assay Value (MAV) stated above may deviate from the end-user's MAV based on variables inherent to each laboratory environment, such as methods, media type, equipment, pipettes, and individual technician technique.	



Meaning of Score Values

Range	Interpretation	Symbols	Color
2.00 - 3.00	High-confidence identification	(+++)	green
1.70 - 1.99	Low-confidence identification	(+)	yellow
0.00 - 1.69	No Organism Identification Possible	(-)	red

Meaning of Consistency Categories (A - C)

Category	Interpretation
(A)	High consistency: The best match is a high-confidence identification. The second-best match is (1) a high-confidence identification in which the species is identical to the best match, (2) a low-confidence identification in which the species or genus is identical to the best match, or (3) a non-identification.
(B)	Low consistency: The requirements for high consistency are not met. The best match is a high- or low-confidence identification. The second-best match is (1) a high- or low-confidence identification in which the genus is identical to the best match or (2) a non-identification.
(C)	No consistency: The requirements for high or low consistency are not met.

Sample Name: Salmonella enterica subsp. enterica serovar Typhimurium
 Sample Description: 0363
 Sample ID: 363-318
 Sample Creation Date/Time: 2017-10-24T13:35:21.123KN
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, Listeria

Sample Name	Sample ID	Organism (best match)	Score Value
G12 (+++)(A)	363-318	Salmonella sp	2.36

Comments:

Salmonella can only be identified on genus level.