



Certificate of Analysis: Lyophilized Microorganism Specification and Performance Upon Release

SPECIFICATIONS: Product Name: Salmonella enterica subsp. enterica serovar Abaetetuba Catalog Number: 0817 Lot Number: 817-126** Reference Number: ATCC® 35640™* Passage from Reference: 2 Recovery: 1.0E+09 Expiration Date: 2018/05/31	RELEASE INFORMATION: Quality Control Technologist: Christine Condon Release Date: 2016/08/11
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Performance	
Macroscopic Features: Medium, gray/white, circular, convex colonies.	Medium: SBAP
Microscopic Features: Gram negative straight rod.	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:11 (Included in group F): positive	 Amanda Kuperus Director of Quality Control 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. <u>Refer to the enclosed product insert for instructions, intended use and hazard/safety information.</u> Individual products are traceable to a recognized culture collection. (1) These tests are accredited to ISO/IEC 17025.  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.	

Bruker Daltonik MALDI Biotyper Classification Results



Meaning of Score Values

Range	Description	Symbols	Color
2.300 ... 3.000	highly probable species identification	(+++)	green
2.000 ... 2.299	secure genus identification, probable species identification	(++)	green
1.700 ... 1.999	probable genus identification	(+)	yellow
0.000 ... 1.699	not reliable identification	(-)	red

Meaning of Consistency Categories (A – C)

Category	Description
A	Species Consistency: The best match was classified as 'green' (see above). Further 'green' matches are of the same species as the first one. Further 'yellow' matches are at least of the same genus as the first one.
B	Genus Consistency: The best match was classified as 'green' or 'yellow' (see above). Further 'green' or 'yellow' matches have at least the same genus as the first one. The conditions of species consistency are not fulfilled.
C	No Consistency: Neither species nor genus consistency (Please check for synonyms of names or microbial mixture).

Analyte Name: Salmonella enterica subsp. enterica serovar Abaetetuba
 Analyte Description: 0817
 Analyte ID: 817-126
 Analyte Creation Date/Time: 2016-08-02T15:31:06.694 CC
 Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD, Listeria
 Applied Taxonomy Tree:

Rank(Quality)	Matched Pattern	ScoreValue	NCBIIdentifier
1(+++)	Salmonella sp (enterica st Anatum) 11 LAL	2.496	58712
2(+++)	Salmonella sp (enterica st Hadar) Sa05 506 VAB	2.429	149385
3(+++)	Salmonella sp (typhimurium) 12 LAL	2.345	602
4(+++)	Salmonella sp (choleraesuis) 08 LAL	2.325	591
5(+++)	Salmonella sp (enterica st Dublin) Sa05 188 VAB	2.318	98360
6(++)	Salmonella sp (enterica st Enterica) DSM 17058T HAM	2.294	59201
7(++)	Salmonella sp (enterica st Stanley) 15 LAL	2.255	192953
8(++)	Salmonella sp (enterica st Diarizonae) CIP 82 31T CIP	2.223	59204
9(++)	Salmonella sp (enteritidis) 25089078 (PX) MLD	2.22	592
10(++)	Salmonella sp (enterica st Arizonae) CIP 82 30T CIP	2.207	59203

Comments:

Salmonella can only be identified on genus level.