

Specifications

Microorganism Name: Legionella pneumophila subsp. pneumophila

Catalog Number: 0211

Lot Number: 211-39

Reference Number: ATCC® 33152™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2018/5/31

Release Information:

Quality Control Technologist: Tracy A Blenker

Release Date: 2016/7/11

Performance

Macroscopic Features: Medium:

Small to medium, circular, convex, entire to erose edge, both blue/white and BCYE light pink colonies, glistening, translucent

Microscopic Features:

Gram negative rods: varying lengths, many filamentous forms present

Method:

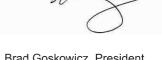
Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

(1) Catalase (3% Hydrogen Peroxide): weak positive Longwave UV fluorescence: dull yellow-green



Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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.



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

Analyte Name: Legionella pneumophila subsp. pneumophila

Analyte Description: 0211
Analyte ID: 211-39

Analyte Creation Date/Time: 2016-07-06T12:22:08.931 TB

Applied MSP Library(ies): IVD, Filamentous Fungi Library 1.0, Mycobacteria Library (bead method), BDAL, Listeria

Listeria

Applied Taxonomy Tree:

Rank(Quality)	Matched Pattern	ScoreValue	NCBIIdentifier
1(++)	Legionella pneumophila ssp pneumophila ATCC 33152T THL	2.299	<u>446</u>
2(++)	Legionella pneumophila LGN_PNHL_2003_057 TW VUN	2.169	<u>446</u>
3(+)	Legionella pneumophila ssp pneumophila ATCC 43283 TW VUN	1.964	<u>91891</u>
4(+)	Legionella pneumophila LGN_PNHL_2003_058 TW VUN	1.956	<u>446</u>
5(+)	Legionella pneumophila ssp pascullei DSM 7515T DSM	1.75	<u>91890</u>
6(+)	Legionella pneumophila LGN_PNHL_2004_146 TW VUN	1.737	<u>446</u>
7(+)	Legionella pneumophila ssp fraseri DSM 7514T DSM	1.723	<u>91892</u>
8(-)	Legionella pneumophila ssp fraseri ATCC 35251 TW VUN	1.631	<u>91892</u>
9(-)	Legionella pneumophila ssp fraseri ATCC 33216 TW VUN	1.61	<u>91892</u>
10(-)	Legionella pneumophila ssp pneumophila ATCC 33154 TW VUN	1.514	<u>91891</u>

Comments:

N/A			



Specifications

Microorganism Name: Staphylococcus aureus subsp. aureus

Catalog Number: 0485 Lot Number: 485-322

Reference Number: ATCC® 6538™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2017/12/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/1/15

Performance

Macroscopic Features:

Medium:

Medium to large, convex, circular, glistening, smooth, creamy, opaque, beta SBAP hemolytic - both light gold and darker gold colonies may be present.

Microscopic Features:

Method:

Gram Stain (1)

Gram positive cocci occurring singly, in pairs and in irregular clusters.

ID System: Vitek GP (1)

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Catalase (3% Hydrogen Peroxide): positive
- (1) Coagulase (rabbit plasma-tube): positive
- (1) Beta Lactamase (Cefinase Disk): negative

Brad Goskowicz, President

AUTHORIZED SIGNATURE

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection,



- 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



bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Jan 13, 2016 13:13 CST

Printed by: cmc Report Version: 1 of 1

Isolate Group: 485 322-1 Bench: CC

Card Type: GP Testing Instrument: 00000A6D6328 (1116)

Bionumber: 010402062561231
Organism Quantity:

Comments:

I dentification	Card:	GP	Lot Number:	242368410	Expires:	Jan 14, 2017 12:00 CST
Information	Completed:	Completed: Jan 12, 2016 17:48 CST		Final	Analysis Time:	4.00 hours
	99% Probabi	lity	Staphyloco	ccus aureus		
Selected Organism	Bionumber:	010402062561231			Confidence:	Exce ll ent identification
SRF Organism						
Analysis Organisms and T	ests to Separate	:				
Analysis Messages:						
Contraindicating Typical B	iopattern(s)					

Biod	chemical	Det	tails														
2	AMY	-	4	PIPLC	_	5	dXYL	-	8	ADH1	+	9	BGAL	-	11	AGLU	-
13	APPA	-	14	CDEX	-	15	AspA	-	16	BGAR	-	17	AMAN	-	19	PHOS	+
20	LeuA	-	23	ProA	-	24	BGURr	-	25	AGAL	-	26	PyrA	+	27	BGUR	-
28	AlaA	-	29	TyrA	-	30	dSOR	-	31	URE	-	32	POLYB	+	37	dGAL	+
38	dRIB	-	39	ILATk	+	42	LAC	-	44	NAG	+	45	dMAL	-	46	BACI	+
47	NOVO	-	50	NC6.5	+	52	dMAN	+	53	dMNE	+	54	MBdG	-	56	PUL	-
57	dRAF	-	58	O129R	+	59	SAL	-	60	SAC	+	62	dTRE	+	63	ADH2s	-
64	OPTO	+															



Specifications

Microorganism Name: Clostridium sporogenes

Catalog Number: 0487

Lot Number: 487-227

Reference Number: ATCC® 11437™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFU per Pellet Passage from Reference: 2

Expiration Date: 2018/7/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/9/29

Performance

Macroscopic Features:

Medium:

Large, irregularly circular, with coarse rhizoid edge, have a raised yellowish- A/R SBAP gray center and flattened periphery, beta hemolytic, adheres to agar.

Microscopic Features:

Method:

Gram positive straight rods. Spores, when seen, are oval, central or Gram Stain (1) subterminal and distend the cell slightly.

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

Egg yolk agar: lecithinase - negative Egg yolk agar: lipase - positive

> Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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.



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

Analyte Name: Clostridium sporogenes

Analyte Description: 0487 Analyte ID: 487-227

Analyte Creation Date/Time: 2016-09-28T15:27:35.328 KN/CC

Applied MSP Library(ies): BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD, Listeria

Applied Taxonomy Tree:

Analyte Name	Analyte ID	Organism (best match)	Score Value
<u>D1(+++)(A)</u>	487-227	Clostridium sporogenes	2.379

Comments:

Clostridium sporogenes is closely related and shows very similar spectra to the strains of the highly pathogenic Clostridium botulinum groups A, B and F. Clostridium botulinum is not included in the MALDI Biotyper database. For differentiation an adequate identification method has to be selected by an experienced professional.



Specifications

Microorganism Name: Kocuria rhizophila

Catalog Number: 0669 Lot Number: 669-61

Reference Number: ATCC® 9341a™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2018/1/31

Release Information:

Quality Control Technologist: Kieshia L Negen

Release Date: 2016/3/21

Performance

Macroscopic Features: Medium:

Small to medium, yellow, smooth, convex colonies with regular edge.

Microscopic Features: Method: Gram positive cocci diameter occurring in tetrads and irregular clusters of Gram Stain (1) tetrads.

ID System: Vitek GP (1)

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Catalase (3% Hydrogen Peroxide): positive
- (1) Coagulase (rabbit plasma-tube): negative
- Lysostaphin: negative

SBAP

- (1) Nitrate (Broth): negative
- (1) Erythromycin (15 mcg Disk Susceptibility): >/= 23 mm (susceptible)
- (1) Streptomycin (10 mcg Disk Susceptibility): </= 11 mm (resistant)

Brad Goskowicz, President

AUTHORIZED SIGNATURE

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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



bioMerieux Customer: 05871

System #: C21105

Laboratory Report

Printed Mar 15, 2016 08:21 CDT

Printed by: kln Report Version: 1 of 1

Isolate Group: 669 61-1 Bench: KN

Card Type: GP Testing Instrument: 00000A6D6328 (1116)

Bionumber: 050012302000001
Organism Quantity:

Comments:

Identification	Card:	GP	Lot Number:	242385140	Expires:	Jun 30, 2017 13:00 CDT
Information	Completed:	Completed: Mar 10, 2016 20:53 CST		Final	Analysis Time:	5.75 hours
	99% Probabi	lity	Kocuria rhi	zophila		
Selected Organism	Bionumber:	050012302000001			Confidence:	Exce ll ent identification
SRF Organism						
Analysis Organisms and To	ests to Separate	ə :				
Analysis Messages:						
Contraindicating Typical B	i					

Biod	hemical	De	tails														
2	AMY	-	4	PIPLC	-	5	dXYL	-	8	ADH1	+	9	BGAL	-	11	AGLU	+
13	APPA	-	14	CDEX	-	15	AspA	-	16	BGAR	-	17	AMAN	-	19	PHOS	-
20	LeuA	+	23	ProA	-	24	BGURr	-	25	AGAL	-	26	PyrA	+	27	BGUR	-
28	AlaA	+	29	TyrA	+	30	dSOR	-	31	URE	-	32	POLYB	-	37	dGAL	-
38	dRIB	-	39	ILATk	+	42	LAC	-	44	NAG	-	45	dMAL	-	46	BACI	-
47	NOVO	-	50	NC6.5	-	52	dMAN	-	53	dMNE	-	54	MBdG	-	56	PUL	-
57	dRAF		58	O129R	-	59	SAL	-	60	SAC	(-)	62	dTRE	_	63	ADH2s	-
64	OPTO	+															



Specifications

Microorganism Name: Saccharomyces cerevisiae

Catalog Number: 01066 Lot Number: 1066-08

Passage from Reference: 4

Reference Number: ATCC® 18824™* Purity: <0.1% of Total Pellet CFU Recovery: >1000 CFUs per pellet Expiration Date: 2018/4/30 Release Information:

Quality Control Technologist: Carol J Stanoch

Release Date: 2016/6/22

Performance

Macroscopic Features: Medium:

Small, waxy, dull, convex, circular, entire edge SAB DEX EMMONS

Microscopic Features:Method:Gram positive, budding yeastGram Stain (1)

ID System: Vitek YST (1)

See attached ID System results document.

/ AM SHITT

Brad Goskowicz, President AUTHORIZED SIGNATURE

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- (*) 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.



bioMerieux Customer: 1012555

Laboratory Report

Printed Jun 22, 2016 09:45 CDT

Printed by: cjs

Isolate Group: 1066 08-1 Bench: CS

Card Type: YST Testing Instrument: 000017919CE3 (15220)

Bionumber: 4012545205300100

Organism Quantity:

System #: 521711

Comments	
Comments:	

Identification	Card:	l: YST		243385220	Expires:	Jul 1, 2017 13:00 CDT				
Information	Completed:	Jun 22, 2016 05:40 CDT	Status: Final		Analysis Time:	18.25 hours				
	94% Probabi	lity	Saccharom	yces cerevisi	ae					
Selected Organism	Bionumber:	4012545205300100			Confidence:	Very good identification				
SRF Organism	•									
Analysis Organisms and Te	ests to Separate) :								
Analysis Messages:										
Contraindicating Typical Bi	opattern(s)									
Saccharomyces cerevisiae	dTREa(20),L	ATa(76),dMLZa(13),A0	GLU(13),							

Biod	Biochemical Details																
3	LysA	-	4	IMLTa	-	5	LeuA	+	7	ARG	-	10	ERYa	-	12	GLYLa	-
13	TyrA	+	14	BNAG	-	15	ARBa	-	18	AMYa	-	19	dGALa	+	20	GENa	-
21	dGLUa	+	23	LACa	-	24	MAdGa	+	26	dCELa	-	27	GGT	-	28	dMALa	+
29	dRAFa	+	30	NAGA1	-	32	dMNEa	+	33	dMELa	-	34	dMLZa	+	38	ISBEa]-
39	IRHAa	-	40	XLTa	-	42	dSORa	-	44	SACa	+	45	URE	-	46	AGLU	+
47	dTURa	+	48	dTREa	+	49	NO3a	-	51	IARAa	-	52	dGATa	-	53	ESC	-
54	IGLTa	-	55	dXYLa	-	56	LATa	-	58	ACEa	+	59	CITa	-	60	GRTas]-
61	IPROa	-	62	2KGa	-	63	NAGa	-	64	dGNTa	-						



Specifications

Microorganism Name: Acinetobacter baumannii

Catalog Number: 0119

Lot Number: 119-27

Reference Number: ATCC® BAA-747™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2017/11/30

Release Information:

Quality Control Technologist: Marie M Howe

Release Date: 2015/12/17

Performance

Macroscopic Features:

Large, circular, convex, entire edge, cream, glistening

Microscopic Features:

Short, fat gram negative rods, singly and in pairs

Medium:

SBAP Method:

Gram Stain (1)

ID System: Vitek GN (1)

See attached ID System results document.

Other Features/ Challenges: Results

(1) Oxidase (Kovacs): negative Growth at 41 C: positive Growth at 44 C: positive

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection,



- 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.



bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Dec 17, 2015 08:11 CST Printed by: mmh

Report Version: 3 of 3

Isolate Group: 119-27 Bench: MH

Last Updated: Dec 17, 2015 08:11 CST By: mmh

Card Type: GN Testing Instrument: 00000A6D6328 (1116)

Bionumber: 0241010103500352

Organism Quantity:

Comments:	Same ID and similar bionumber as previous lot. GN-QC OK 12/17/15 MH

Identification	1	Card:	GN	Lot Number:	241356410	Expires:	Sep 16, 2016 13:00 CDT
Information		Completed:	Dec 16, 2015 17:32 CST	Status:	Final	Analysis Time:	6.00 hours
		99% Probabil	ity	Acinetobact	er baumann	ii	
Selected Org	ganism	Bionumber:	0241010103500352			Confidence:	Excellent identification
SRF Organism							
Analysis Organ	isms and Test	s to Separate	:				
Acinetobacter ba	umannii						
Acinetobacter no	socomia l is						
Acinetobacter pit	tii	44C(1),41C(9	19),				
Acinetobacter ba	ıumannii	44C(99),Arg.I	nydr.(1),41C(99),				
Acinetobacter ca	Icoaceticus	Arg.hydr.(99)	,41C(1),				
Analysis Messa	ges:						
Contraindicatin	g Typical Biop	attern(s)					
		. ,					

bioMerieux Customer: 05871

Laboratory Report

Printed Dec 17, 2015 08:11 CST

Printed by: mmh Report Version: 3 of 3

Isolate Group: 119-27 Bench: MH

Last Updated: Dec 17, 2015 08:11 CST By: mmh

Card Type: GN Testing Instrument: 00000A6D6328 (1116)

Bionumber: 0241010103500352

Organism Quantity:

System #: C21105

Biod	Biochemical Details																
2	APPA	-	3	ADO	-	4	PyrA	-	5	IARL	-	7	dCEL	+	9	BGAL	-
10	H2S	-	11	BNAG	-	12	AGLTp	+	13	dGLU	+	14	GGT	-	15	OFF	-
17	BGLU	-	18	dMAL	-	19	dMAN	-	20	dMNE	+	21	BXYL	-	22	BAlap	-
23	ProA	-	26	LIP	-	27	PLE	-	29	TyrA	+	31	URE	-	32	dSOR	-
33	SAC	-	34	dTAG	-	35	dTRE	-	36	CIT	+	37	MNT	+	39	5KG	-
40	ILATk	+	41	AGLU	-	42	SUCT	+	43	NAGA	-	44	AGAL	-	45	PHOS	-
46	GlyA	-	47	ODC	-	48	LDC	-	53	IHISa	+	56	CMT	+	57	BGUR	-
58	O129R	+	59	GGAA	-	61	IMLTa	+	62	ELLM	-	64	ILATa	+			



Specifications

Microorganism Name: Staphylococcus saprophyticus

Catalog Number: 0134

Lot Number: 134-26

Reference Number: ATCC® BAA-750™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2018/5/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/7/21

Performance

Macroscopic Features:

Medium, circular, convex, entire edge, white, glistening

Microscopic Features:

Gram positive cocci singly, in pairs and tetrads

Medium:

SBAP Method:

Gram Stain (1)

ID System: Vitek GP (1)

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Catalase (3% Hydrogen Peroxide): positive
- (1) Coagulase (rabbit plasma-tube): negative



Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection,



- 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.



bioMerieux Customer: 1012555 System #: 521711

Laboratory Report

Printed Jul 19, 2016 12:44 CDT

Printed by: cmc

Isolate Group: 134-26 Bench: KN

Card Type: GP Testing Instrument: 000017919CE3 (15220)

Bionumber: 030000056670231 Organism Quantity:

0	
Comments:	GP QC OK

Identification	Card:	GP	Lot Number:	242385140	Expires:	Jun 30, 2017 13:00 CDT				
Information	Completed:	Jul 8, 2016 13:31 CDT	Status: Final		Analysis Time:	5.00 hours				
0.1.4.10	99% Probabi	lity	Staphylococcus saprophyticus							
Selected Organism	Bionumber:	030000056670231			Confidence:	Excellent identification				
SRF Organism										
Analysis Organisms and T	ests to Separate	: :								
Analysis Messages:										
Contraindicating Typical Biopattern(s)										

Biod	Biochemical Details																
2	AMY	_	4	PIPLC	-	5	dXYL	-	8	ADH1	+	9	BGAL	+	11	AGLU	-
13	APPA	-	14	CDEX	-	15	AspA	-	16	BGAR	-	17	AMAN	-	19	PHOS	-
20	LeuA	-	23	ProA	-	24	BGURr	-	25	AGAL	-	26	PyrA	-	27	BGUR]-
28	AlaA	-	29	TyrA	-	30	dSOR	-	31	URE	+	32	POLYB	-	37	dGAL	+
38	dRIB	-	39	ILATk	+	42	LAC	+	44	NAG	-	45	dMAL	+	46	BACI	+
47	NOVO	+	50	NC6.5	+	52	dMAN	+	53	dMNE	-	54	MBdG	-	56	PUL]-
57	dRAF	-	58	O129R	+	59	SAL	-	60	SAC	+	62	dTRE	+	63	ADH2s] -
64	ОРТО	+															



Specifications

Microorganism Name: Pseudomonas fluorescens

Catalog Number: 0241

Lot Number: 241-30

Reference Number: ATCC® 13525™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2018/5/31

Release Information:

Quality Control Technologist: Kieshia L Negen

Release Date: 2016/7/27

Performance

Macroscopic Features: Medium:

Two colony types: one is large, irregular, erose edge, pale gray, glistening and the other is small, entire edge and compact SBAP

Microscopic Features:

Straight or slightly curved gram negative rod with rounded ends

Method:

Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Oxidase (Kovacs): positive
- (1) Motility B Medium: positive

Brad Goskowicz, President

AUTHORIZED SIGNATURE

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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.



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
Α	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.
В	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.
С	No Consistency: Neither species nor genus consistency (Please check for synonyms of names or microbial
C	mixture).

Analyte Name: Pseudomonas fluorescens

Analyte Description: 0241
Analyte ID: 241-30

Analyte Creation Date/Time: 2016-07-14T12:55:00.523kn

Applied MSP Library(ies):

BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD,

Listeria

Applied Taxonomy Tree:

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1 (++)	Pseudomonas fluorescens DSM 50090T HAM	2.102	<u>294</u>
2 (+)	Pseudomonas synxantha DSM 18928T DSM	1.922	<u>47883</u>
3 (+)	Pseudomonas libanensis CIP 105460T HAM	1.897	<u>75588</u>
4 (+)	Pseudomonas antarctica DSM 15318T HAM	1.858	<u>219572</u>
5 (+)	Pseudomonas veronii B561 UFL	1.852	<u>76761</u>
6 (+)	Pseudomonas veronii B559 UFL	1.808	<u>76761</u>
7 (+)	Pseudomonas brenneri CIP 106646T HAM	1.767	<u>129817</u>
8 (+)	Pseudomonas azotoformans CIP 106744T HAM	1.748	<u>47878</u>
9 (+)	Pseudomonas proteolytica DSM 15321T HAM	1.744	219574
10 (+)	Pseudomonas extremorientalis DSM 15824T HAM	1.718	<u>169669</u>

Comments:	
is a member of Pseudomonas fluorescens group	



Specifications

Microorganism Name: Shigella sonnei

Catalog Number: 0303

Lot Number: 303-84

Reference Number: ATCC® 25931™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

See attached ID System results document.

Expiration Date: 2017/11/30

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/1/25

Performance

Macroscopic Features:

Medium:

Two colony types (both are large and can spread); circular, convex, light SBAP gray, smooth and other type is irregular, raised, darker gray, and rough, (spreads more than other colony type).

Microscopic Features:

Method:

Gram Stain (1)

Gram negative straight rod ID System: Vitek GN (1)

Other Features/ Challenges: Results

(1) Oxidase (Kovacs): negative

Hektoen Enteric agar: good growth, colorless to blue-green colonies

Shigella Antiserum Poly Group D: positive

(1) Motility B Medium: negative

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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



bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Jan 22, 2016 08:26 CST Printed by: cmc

Report Version: 2 of 2

Bench: CC

Isolate Group: 303 84-1

Last Updated: Jan 22, 2016 08:26 CST By: cmc

Card Type: GN Testing Instrument: 00000A6D6328 (1116)

Bionumber: 0405611140463610 Organism Quantity:

· ,	
Comments:	
Comments:	GN QC OK

Identification Information		Card:	GN Lot 241356410 Expires:		Expires:	Sep 16, 2016 13:0 CDT		
		Completed:	Jan 21, 2016 19:59 CST	Status:	Final	Analysis Time:	4.75 hours	
Selected Organism		99% Probabi	lity	Shigella so	nnei			
		Bionumber:	0405611140463610			Confidence:	Excellent identification	
SRF Organism								
Analysis Orga	nisms and Te	ests to Separate) :					
Analysis Mess	ages:							
Confirm by serological tests								
Contraindicating Typical Biopattern(s)								

Biod	chemical D	eta	ails														
2	APPA	-	3	ADO	-	4	PyrA	-	5	IARL	-	7	dCEL	-	9	BGAL	+
10	H2S	-	11	BNAG	-	12	AGLTp	-	13	dGLU	+	14	GGT	-	15	OFF	+
17	BGLU	-	18	dMAL	+	19	dMAN	+	20	dMNE	+	21	BXYL	-	22	BAlap	-
23	ProA	+	26	LIP	-	27	PLE	-	29	TyrA	+	31	URE	-	32	dSOR	-
33	SAC	-	34	dTAG	-	35	dTRE	+	36	CIT	-	37	MNT	-	39	5KG	-
40	ILATk	-	41	AGLU	(-)	42	SUCT	+	43	NAGA	-	44	AGAL	+	45	PHOS	+
46	GlyA	+	47	ODC	+	48	LDC	-	53	IHISa	-	56	CMT	+	57	BGUR	+
58	O129R	+	59	GGAA	-	61	IMLTa	-	62	ELLM	-	64	ILATa	-			

Installed VITEK 2 Systems Version: 07.01

MIC Interpretation Guideline: AES Parameter Set Name:



Specifications

Microorganism Name: Enterobacter aerogenes

Catalog Number: 0306

Lot Number: 306-150

Reference Number: ATCC® 13048™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 3

Expiration Date: 2018/6/30

Release Information:

Quality Control Technologist: Jennifer Holub

Release Date: 2016/8/4

Performance

Macroscopic Features:

Medium to large, gray, mucoid, convex, circular colonies

Microscopic Features: Straight gram negative rod Medium:

SBAP Method: Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

(1) Oxidase(Kovacs): negative

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

Disclaimer: The last digit(s) of the lot number appearing on the packing slip is 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.

A Refer to the enclosed product insert for instructions, intended use and hazard/safety information.

Individual products are traceable to a recognized culture collection.



- 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.



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
Λ	Species Consistency: The best match was classified as 'green' (see above). Further 'green' matches are of the
Α	same species as the first one. Further 'yellow' matches are at least of the same genus as the first one.
В	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.
С	No Consistency: Neither species nor genus consistency (Please check for synonyms of names or microbial
	mixture).

Analyte Name: Enterobacter aerogenes

Analyte Description: 0306 Analyte ID: 306-150

Analyte Creation Date/Time: 2016-08-03T15:54:20.884 JH

BDAL, Mycobacteria Library (bead method), Filamentous Fungi Library 1.0, IVD, Applied MSP Library(ies):

Listeria

Applied Taxonomy Tree:

Rank (Quality)	Matched Pattern	Score Value	NCBI Identifier
1(+++)	Enterobacter aerogenes LMG 2969 LMG	2.423	<u>548</u>
2(+++)	Enterobacter aerogenes ATCC 13048T THL	2.302	<u>548</u>
3(++)	Enterobacter aerogenes DSM 30053T DSM	2.296	<u>548</u>
4(++)	Enterobacter aerogenes DSM 30053T HAM	2.267	<u>548</u>
5(++)	Enterobacter aerogenes LMG 2970 LMG	2.246	<u>548</u>
6(++)	Enterobacter aerogenes 15282_1 CHB	2.225	<u>548</u>
7(++)	Enterobacter aerogenes DSM 12058 DSM	2.22	<u>548</u>
8(+)	Raoultella ornithinolytica MB_18887 CHB	1.898	<u>54291</u>
9(+)	Klebsiella pneumoniae ssp pneumoniae 9295_1 CHB	1.895	72407
10(+)	Klebsiella pneumoniae ssp ozaenae DSM 16358T DSM	1.774	<u>574</u>

Comments:

N/A		