

Specifications

Microorganism Name: Klebsiella pneumoniae subsp. pneumoniae

Catalog Number: 0683 Lot Number: 683-54

Reference Number: ATCC® 4352™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2018/2/28 Release Information:

Quality Control Technologist: Tanner E Rothstein

Release Date: 2016/4/14

Performance

Macroscopic Features:

Medium to large, gray/white, circular, domed, glistening, smooth. Microscopic Features: Gram negative straight rod.

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

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

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bioMerieux Customer: 1012555

System #: 521711

Laboratory Report

Report Printed Apr 14, 2016 07:50 CDT

Printed by: ter Report Version: 1 of 1

Isolate Group: 683 84-1 Bench: TR

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

Bionumber: 6607715551565000
Organism Quantity:

Comments:

Identification	Card:	GN	Lot Number:	241370540	Expires:	Feb 4, 2017 12:00 CST
Information	Completed:	Apr 13, 2016 16:41 CDT	Status:	Final	Analysis Time:	6.00 hours
	96% Probabi	lity	Klebsiella _l	oneumoniae s	sp ozaenae	
Selected Organism	Bionumber:	6607715551565000			Confidence:	Excellent identification
SRF Organism						
Analysis Organisms and Te	sts to Separate:					
Analysis Messages:						
Contraindicating Typical Bio	pattern(s)					
Klebsiella pneumoniae ssp ozaenae	LDC(12),					

Bio	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	_			



Specifications

Microorganism Name: Listeria monocytogenes

Catalog Number: 0398

Lot Number: 398-58

Reference Number: ATCC® 7644™* 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: 2016/8/24

Performance

Macroscopic Features:

Small, circular, translucent, with varying degrees of beta hemolysis

Microscopic Features:

Regular, short, gram positive rods with rounded ends

Medium:

SBAP Method:

Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Catalase (3% Hydrogen Peroxide): positive
- (1) Purple Broth W/Rhamnose: positive
- (1) Purple Broth W/Xylose: negative



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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: Listeria monocytogenes

Analyte Description: 0398 Analyte ID: 398-58

Analyte Creation Date/Time: 2016-08-18T15:26:48.559 JH

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(++)	Listeria monocytogenes Mb19348_1 CHB	2.247	<u>1639</u>
2(++)	Listeria monocytogenes CCUG 59664 CCUG	2.2	<u>1639</u>
3(++)	Listeria monocytogenes CCUG 61052 CCUG	2.199	<u>1639</u>
4(++)	Listeria ivanovii 141021_19119 AGES	2.163	<u>1638</u>
5(++)	Listeria monocytogenes CCUG 35751 CCUG	2.155	<u>1639</u>
6(++)	Listeria monocytogenes CCUG 32843 CCUG	2.126	<u>1639</u>
7(++)	Listeria monocytogenes CCUG 33548 CCUG	2.117	<u>1639</u>
8(++)	Listeria monocytogenes CCUG 32964A CCUG	2.101	<u>1639</u>
9(++)	Listeria monocytogenes CCUG 49753 CCUG	2.081	<u>1639</u>
10(++)	Listeria monocytogenes DSM 20600T DSM	2.081	<u>1639</u>

Comments:

Extraction must be performed to permit reliable species identification.



Specifications

Microorganism Name: Burkholderia cepacia

Catalog Number: 0488

Lot Number: 488-76

Reference Number: ATCC® 25416™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

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, circular, opaque, convex, gray to yellow/greeen colonies. SBAP Rough and smooth colony types are present.

Microscopic Features:

Long gram negative rods in pairs.

Method:

Gram Stain (1)

ID System: Vitek GN (1)

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Oxidase (Kovacs): positive
- (1) Nitrate (Broth): negative
- (1) Motility B Medium: positive
- (1) Purple Broth W/Sucrose: positive

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bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Mar 7, 2016 09:27 CST Printed by: kln

Report Version: 2 of 2

Isolate Group: 488 76-1 Bench: KN

Last Updated: Mar 7, 2016 09:27 CST By: kln

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

Bionumber: 0263050013540211
Organism Quantity:

Comments:

Identification		Card:	GN	Lot Number:	241356410	Expires:	Sep 16, 2016 13:00 CDT			
Information		Completed:	Mar 3, 2016 16:50 CST	Status:	Final	Analysis Time:	4.75 hours			
Selected Organism		97% Probabil	lity	Burkholderia	a cepacia					
		Bionumber:	0263050013540211		Confidence:	Exce ll ent identification				
SRF Organism										
Analysis Organis	ms and Test	s to Separate):							
Burkholderia cepa	cia group									
Burkholderia cepa	cia	SACCHAROSE(99),YELLOW(78),ONPG(99),GELATIN(74),								
Burkholderia vietna	amiensis	SACCHAROSE(99), YELLOW(0), ONPG(99), GELATIN(0),								
Burkholderia multiv	vorans	SACCHAROSE(1),ONPG(99),GELATIN(2),								
Burkholderia stabil	lis	SACCHAROSE(1),ONPG(1),GELATIN(93),								
Analysis Messago	es:			<u> </u>						
Contraindicating	Typical Biop	oattern(s)								
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l										
1										

bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Mar 7, 2016 09:27 CST

Printed by: kln Report Version: 2 of 2

Isolate Group: 488 76-1 Bench: KN

Last Updated: Mar 7, 2016 09:27 CST By: kln

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

Bionumber: 0263050013540211

Organism Quantity:

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	-			



Specifications

Microorganism Name: Escherichia coli

Catalog Number: 0483 Lot Number: 483-558

Reference Number: ATCC® 8739™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2018/4/30

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/5/31

Performance

Macroscopic Features:

Medium to large, gray, mucoid, convex.

Microscopic Features: Gram negative straight 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

Beta-glucuronidase (E. coli Broth w/MUG): positive

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Bruker Daltonik MALDI Biotyper Classification Results



Meaning of Score Values

Range	Description	Symbols	Color
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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'
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
	mixture).

Analyte Name: Escherichia coli

Analyte Description: 0483 Analyte ID: 483-558

Analyte Creation Date/Time: 2016-05-26T13:48:53.288 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(+++)	Escherichia coli DSM 1576 DSM	2.607	<u>562</u>
2(+++)	Escherichia coli DSM 682 DSM	2.415	<u>562</u>
3(+++)	Escherichia coli RV412_A1_2010_06a LBK	2.399	<u>562</u>
4(+++)	Escherichia coli DH5alpha BRL	2.309	<u>562</u>
5(++)	Escherichia coli MB11464_1 CHB	2.266	<u>562</u>
6(++)	Escherichia coli DSM 1103 QC DSM	2.262	<u>562</u>
7(++)	Escherichia coli ESBL_EA_RSS_1528T CHB	2.22	<u>562</u>
8(++)	Escherichia coli Nissl VML	2.2	<u>562</u>
9(++)	Escherichia coli ATCC 25922 THL	2.191	<u>562</u>
10(++)	Escherichia coli ATCC 25922 CHB	2.176	<u>562</u>

Comments:

closely related to Shigella and not definitely distinguishable at the moment



Specifications

Microorganism Name: Neisseria gonorrhoeae

Catalog Number: 0378

Lot Number: 378-78

Reference Number: ATCC® 19424™* 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: Kieshia L Negen

Release Date: 2016/6/9

Performance

Macroscopic Features: Medium:

Small to medium, opaque, tan to grayish white, raised, glistening and convex Chocolate Microscopic Features: Method:

Gram negative cocci occurring singly, but more often in pairs wtih adjacent Gram Stain (1) sides flattened.

ID System: Vitek NH (1)

See attached ID System results document.

Other Features/ Challenges: Results

(1) Oxidase (Kovacs): positive

Modified Thayer Martin Agar: good growth (1) Beta Lactamase (Cefinase Disk): negative

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bioMerieux Customer: 1012555

System #: 521711

Laboratory Report

Printed Jun 8, 2016 15:13 CDT

Printed by: kIn

Isolate Group: 378 78-1 Bench: CS

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

Bionumber: 5237000000 Organism Quantity:

•	organism Quantity.	
1		
	Comments:	
	Comments:	

					i	CST	
	Completed:	Jun 2, 2016 15:40 CDT	Status:	Final	Analysis Time:	6.00 hours	
	99% Probabil	ity	Neisseria g	onorrhoeae			
nism I	Bionumber:	5237000000		Confidence:		Exce ll ent identification	
ns and Tests	to Separate	:					
s:							
ľ	nism	nism Bionumber: ns and Tests to Separate	nism Bionumber: 5237000000 ns and Tests to Separate:	nism Bionumber: 5237000000 ns and Tests to Separate:	nism Bionumber: 5237000000 ns and Tests to Separate:	nism Bionumber: 5237000000 Confidence: ns and Tests to Separate:	

Biod	Biochemical Details																
1	ArgA	+	2	GGT	-	3	LysA	+	4	dGAL	-	5	LeuA	+	6	ELLM	-
7	PheA	+	8	ProA	+	10	PyrA	-	13	TyrA	+	15	APPA	+	18	dGLU	+
19	GLYG	-	20	dMNE	-	22	dMAL	-	28	SAC	-	33	NAG	-	36	URE	-
39	BGALi	-	40	ODC	-	41	AARA	-	45	PVATE	-	46	PHC	-	47	dMLT	-
51	MTE	-	52	IGLM	-	59	PHOS	-	61	dRIB2	-	62	OPS	_	64	dXYL	-

AES Parameter Set Name:



Specifications

Microorganism Name: Haemophilus influenzae

Catalog Number: 0376

Lot Number: 376-85

Reference Number: ATCC® 19418™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2017/11/30

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2015/12/31

Performance

Macroscopic Features:

Medium to large, tan/gray, circular, flat, convex, smooth colonies

Microscopic Features:

Gram negative short rods or coccobacilli may show marked pleomorphism

Medium:

Chocolate Method:

Gram Stain (1)

ID System: Vitek NH (1)

See attached ID System results document.

Other Features/ Challenges: Results

V factor (disks): negative X factor (disks): negative XV factor (disks): positive

(1) Beta Lactamase (Cefinase Disk): negative

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bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Dec 31, 2015 07:47 CST

Printed by: cmc Report Version: 1 of 1

Isolate Group: 376 85 01-1 Bench: KN

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

Bionumber: 5715041647 Organism Quantity:

Organism Quantity.	
Comments:	
Comments.	

Identification	Identification		Card: NH		Lot 245361420 Number:		Nov 5, 2016 13:00 CDT
Information		Completed:	mpleted: Dec 30, 2015 21:01 Status		Final	Analysis Time:	6.00 hours
		93% Probabil	ity	Haemophilu	ıs influenzae		
Selected Organism		Bionumber:	5715041647			Confidence:	Very good identification
SRF Organism							
Analysis Organi	isms and Test	ts to Separate) :				
Analysis Messa	ges:						
See product info	rmation for add	ditiona l informa	ation.				
Contraindicating	g Typical Bior	pattern(s)					
Haemophilus infl	uenzae	BGALi(1),					

Biod	Biochemical Details																
1	ArgA	+	2	GGT	-	3	LysA	+	4	dGAL	+	5	LeuA	+	6	ELLM	+
7	PheA	+	8	ProA	-	10	PyrA	-	13	TyrA	+	15	APPA	-	18	dGLU	+
19	GLYG	-	20	dMNE	-	22	dMAL	-	28	SAC	-	33	NAG	-	36	URE	+
39	BGALi	+	40	ODC	-	41	AARA	-	45	PVATE	-	46	PHC	+	47	dMLT	+
51	MTE	-	52	IGLM	-	59	PHOS	+	61	dRIB2	+	62	OPS	+	64	dXYL	+



Specifications

Microorganism Name: Methylobacterium extorquens

Catalog Number: 01110 Lot Number: 1110-06

Reference Number: ATCC® BAA-2500™*

Purity: <0.1% of Total Pellet CFU Recovery: >1000 CFUs per pellet Passage from Reference: 2

Expiration Date: 2018/6/30 Release Information:

Quality Control Technologist: Mary L Bowman

Release Date: 2016/9/27

Performance

Macroscopic Features:

Tiny, round, entire colonies with a slight pink hue.

Microscopic Features: Gram Negative Rod

Medium:

Nutrient Method:

Gram Stain (1)

ID System: Vitek GN (1)

See attached ID System results document.

Other Features/ Challenges: Results

(1) Oxidase (Kovacs): positive

(1) Catalase (3% Hydrogen Peroxide): positive

Esculin (Agar) Hydrolysis: negative (1) Nitrate (Broth): negative Growth (Nutrient) at 35C: Growth

Growth (nutrient) at 42C: No growth to very sparse

growth.

Urea Agar Slant: positive Gelatin Liquefaction: negative

Growth on R2A agar from pellet: good growth

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bioMerieux Customer: 1012555

Laboratory Report

Printed Sep 8, 2016 14:02 CDT

Printed by: mlb

Isolate Group: 1110 06-1 Bench: MB

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

Bionumber: 2000604220500000

Organism Quantity:

System #: 521711

Comments:	

Identification	Card:	Card: GN		241370540	Expires:	Feb 4, 2017 12:00 CST		
Information	Completed:	Sep 7, 2016 21:10 CDT	istatus: Final I		Analysis Time:	5.00 hours		
	95% Probabi	lity	Methylobacterium spp					
Selected Organism	Bionumber:	2000604220500000			Confidence:	Very good identification		
SRF Organism								
Analysis Organisms and 1	ests to Separate	:						
Analysis Messages:								
Contraindicating Typical E	Biopattern(s)							
Methylobacterium spp	ADO(1),							

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	BA l ap	-
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: Pseudomonas aeruginosa

Catalog Number: 0484 Lot Number: 484-760

Reference Number: ATCC® 9027™* Purity: > 99.9% of Total Pellet CFU

Mean Assay Value: 4.6E+07 CFU per pellet

Passage from Reference: 3

Expiration Date: 2018/8/31 Release Information:

Quality Control Technologist: Megan C McClure

Release Date: 2016/12/16

Performance

Macroscopic Features: Medium:

Large, flat, circular to irregular shaped, gray with silver sheen. A second SBAP colony type may also be present as small, round, shiny colonies.

Microscopic Features:

Straight or slightly curved gram negative rod.

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

Pseudomonas P Agar: positive (blue-green color diffusing into the agar)

Growth at 42 C: positive



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

Analyte Name: Pseudomonas aeruginosa

Analyte Description: 0484 Analyte ID: 484-760

Analyte Creation Date/Time: 2016-12-14T13:41:21.671 MCM

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
E4 (+++)(A)	484-760	Pseudomonas aeruginosa	2.369

Comments:

N/A		



Microorganism Name: Pseudomonas aeruginosa

Reference #: ATCC® 9027™*

Catalog #: 0484 Lot #: 484-760

Expiration Date: 2018/8/31

Mean Assay Value: 4.6E+07 CFU per pellet

Standard Deviation: 5.7E+06 Coefficient of Variation: 12%

99% Confidence Interval of 4.3E+07 to 4.9E+07 CFU 95% Confidence Interval of 4.4E+07 to 4.8E+07 CFU

Method used to determine Mean Assay Value: Spiral Biotech Test Method

Medium Employed: TSA

Incubation Time and Temp: 24 hrs at 34-38 degrees C

Quality Control Manager

Mande Luper



Specifications Expiration Date: 2017/12/31

Microorganism Name: Salmonella enterica subsp. enterica serovar Choleraesuls

Catalog Number: 0902 Lot Number: 902-71

Reference Number: ATCC® 10708™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Release Information:

Quality Control Technologist: Carol J Stanoch

Release Date: 2016/2/22

Performance

Macroscopic Features: Medium, gray/white, circular, convex colonies.

Microscopic Features: Gram negative straight rod. 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

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

(1) Salmonella O antiserum Factor O:7,8 (Included in group C1): positive

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

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bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Feb 22, 2016 08:45 CST

Printed by: cjs Report Version: 2 of 2

Isolate Group: 902 71-1 Bench: CS

Last Updated: Feb 22, 2016 08:45 CST By: cjs

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

Bionumber: 0005610501566210									
Organism Quantity:									
Comments:									
Comments:									

Identification	Card:	GN	Lot Number:	241356410	Expires:	Sep 16, 2016 13:00 CDT 6.00 hours		
Information	Completed:	Feb 18, 2016 14:50 CST	Status:	Final	Analysis Time:			
	99% Probabi	lity	Salmonella	group				
Selected Organism	Bionumber:	0005610501566210			Confidence:	Exce ll ent identification		
SRF Organism								
Analysis Organisms and Tes	sts to Separate	e:						
Salmonella group								
Salmonella spp								
Salmonella ser.Paratyphi B								
Salmonella ser.Typhimurium								
Salmonella ser.Paratyphi C								
Salmonella ser.Enteritidis								
Salmonella enterica ssp enterica								
Analysis Messages:								
Confirm by serological tests								
Contraindicating Typical Bio	pattern(s)							

Installed VITEK 2 Systems Version: 07.01

MIC Interpretation Guideline: AES Parameter Set Name:

bioMerieux Customer: 05871

Laboratory Report

System #: C21105

Printed Feb 22, 2016 08:45 CST Printed by: cjs

Report Version: 2 of 2

Bench: CS

Isolate Group: 902 71-1

Last Updated: Feb 22, 2016 08:45 CST By: cjs Card Type: GN Testing Instrument: 00000A6D6328 (1116)

Bionumber: 0005610501566210

Organism Quantity:

Bio	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	-			