

Specifications

Microorganism Name: Shigella flexneri (serotype 2b)

Catalog Number: 0356

Lot Number: 356-78

Reference Number: ATCC® 12022™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 3

Expiration Date: 2018/8/31

Release Information:

Quality Control Technologist: Mary L Bowman

Release Date: 2016/10/20

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 blue-green colonies

Shigella Antiserum Poly Group B: positive

Brad Goskowicz, President **AUTHORIZED SIGNATURE**

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bioMerieux Customer: 1012555

Laboratory Report

Printed Oct 19, 2016 12:25 CDT Printed by: mlb

System #: 521711

Isolate Group: 356 78-1 Bench: MB

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

Bionumber: 0005410140100210

Organism Quantity:

Commenter	
Comments:	Same ID and similar bionumber to previous lots. 10/19/2016 MB.

99% Probability	Status:	Finai	Analysis Time:	6.00 hours						
Selected Organism	_	exneri								
Selected Organism Bionumber: 00054101										
	40100210		Confidence:	Excellent identification						
SRF Organism										
Analysis Organisms and Tests to Separate:										
Shigella group										
Shigella dysenteriae										
Shigella flexneri										
Shige ll a boydii										
Analysis Messages:										
Confirm by serological tests										
Contraindicating Typical Biopattern(s)										

Laboratory Report Printed Oct 19, 2016 12:25 CDT

Printed by: mlb

Isolate Group: 356 78-1 Bench: MB

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

Bionumber: 0005410140100210

Organism Quantity:

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: Staphylococcus aureus subsp. aureus

Catalog Number: 0360 Lot Number: 360-262

Reference Number: ATCC® 25923™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

Expiration Date: 2018/2/28 Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/3/8

Performance

Macroscopic Features:

Medium to large, convex, entire edge, both white and pale white colonies, smooth, opaque, beta hemolytic SBAP

Microscopic Features:

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

Medium:

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) Coaqulase (rabbit plasma tube): positive
- (1) Beta Lactamase (Cefinase Disk): negative
- (1) Ampicillin (10 mcg Disk Susceptibility): 27 35 mm
- (1) Penicillin (10 units Disk Susceptibility): 26 37 mm
- (1) Oxacillin (1 mcg Disk Susceptibility): 18 24 mm

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bioMerieux Customer: 05871 System #: C21105

Laboratory Report

Printed Mar 7, 2016 08:46 CST

Printed by: cmc Report Version: 1 of 1

Isolate Group: 360 262-1 Bench: CC

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

Bionumber: 010402033763231 Organism Quantity:

Comments:	

Identification	Card:	GP	Lot Number:	242371540	Expires:	Feb 14, 2017 12:00 CST			
Information	Completed:	Mar 3, 2016 21:48 CST	istatile: Final I		Analysis Time:	6.00 hours			
	95% Probabi	lity	Staphylococcus aureus						
Selected Organism	Bionumber:	010402033763231			Confidence:	Very good identification			
SRF Organism									
Analysis Organisms and T	ests to Separate):							
Analysis Messages:									
Contraindicating Typical E	Biopattern(s)								
Staphylococcus aureus	AGLU(79),UF	RE(2),							

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	dR I B	+	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: Salmonella enterica subsp. enterica serovar Typhimunum

Catalog Number: 0363 Lot Number: 363-229

Reference Number: ATCC® 14028™* 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: Marie M Howe

Release Date: 2016/3/28

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: Vitek GN (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

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bioMerieux Customer: 1012555

Laboratory Report

Printed Mar 28, 2016 11:41 CDT Printed by: mmh

Report Version: 4 of 4

Isolate Group: 363 229-1 Bench: MH

Last Updated: Mar 24, 2016 15:37 CDT By: jrh

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

Bionumber: 0017610441566210

Organism Quantity:

System #: 521711

Commenter	
Comments:	Same ID ans similar bionumber as previous lot. 3/24/16 MH

Identification	1	Card:	GN	Lot Number:	241370540	Expires:	Feb 4, 2017 12:00 CST		
Information		Completed:	Mar 23, 2016 21:02 CDT	Status:	Final	Analysis Time:	5.00 hours		
		99% Probabil	lity	Salmonella					
Selected Organism		Bionumber:	0017610441566210			Confidence:	Exce ll ent identification		
SRF Organism									
Analysis Organisms and Tests to Separate:									
Salmonella grou	р								
Salmonella spp									
Salmonella ser.F	• •								
Salmonella ser.1	Typhimurium								
Salmonella ser.F	* *								
Salmonella ser.E	Enteritidis								
Salmonella enter enterica	rica ssp								
Analysis Messa	ıges:								
Confirm by serol	ogical tests								
Contraindicatin	g Typical Biop	attern(s)							

Installed VITEK 2 Systems Version: 07.01

MIC Interpretation Guideline: AES Parameter Set Name:

bioMerieux Customer: 1012555 Laboratory Report Printed Mar 28, 2016 11:41 CDT

System #: 521711 Printed by: mmh
Report Version: 4 of 4

Isolate Group: 363 229-1 Bench: MH

Last Updated: Mar 24, 2016 15:37 CDT By: jrh

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

Bionumber: 0017610441566210

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	-			

Action Name (User ID) Date/Time Comment

Reviewed by: (jrh) Mar 24, 2016 15:37 CDT



Specifications

Microorganism Name: Staphylococcus aureus subsp. aureus

Catalog Number: 0365

Lot Number: 365-87

Reference Number: ATCC® 29213™* 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: Tanner E Rothstein

Release Date: 2016/5/6

Performance

Macroscopic Features:

Medium to large, convex, white-yellow, creamy opaque, beta hemolytic

Microscopic Features:

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

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) Coagulase (rabbit plasma-tube): positive
- (1) Beta Lactamase (Cefinase Disk): positive
- (1) Ampicillin (10 mcg Disk Susceptibility): </= 28 mm
- (1) Penicillin (10 units Disk Susceptibility): </= 28 mm

Urea Agar Slant: positive



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

Analyte Name: Staphylococcus aureus subsp. aureus

Analyte Description: 0365 Analyte ID: 365-87

Analyte Creation Date/Time: 2016-05-04T12:42:20.579 TR

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 (+++)	Staphylococcus aureus ssp aureus DSM 799 DSM	2.369	<u>46170</u>
2 (+++)	Staphylococcus aureus ATCC 29213 THL	2.366	<u>1280</u>
3 (+++)	Staphylococcus aureus ssp aureus DSM 4910 DSM	2.343	<u>46170</u>
4 (+++)	Staphylococcus aureus ssp aureus DSM 346 DSM	2.326	<u>46170</u>
5 (+++)	Staphylococcus aureus ssp aureus DSM 20231T DSM	2,323	<u>46170</u>
6 (++)	Staphylococcus aureus ssp aureus DSM 20232 DSM	2.293	<u>46170</u>
7 (++)	Staphylococcus aureus ATCC 33862 THL	2.27	<u>1280</u>
8 (++)	Staphylococcus aureus ATCC 33591 THL	2.248	<u>1280</u>
9 (++)	Staphylococcus aureus ssp aureus DSM 3463 DSM	2.227	<u>46170</u>
10 (++)	Staphylococcus aureus ATCC 25923 THL	2,21	<u>1280</u>

Comments:

N/A		



Specifications

Microorganism Name: Enterococcus faecalis

Catalog Number: 0366 Lot Number: 366-244

Reference Number: ATCC® 29212™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet

Expiration Date: 2018/3/31 Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/4/14

Performance

Macroscopic Features:

Passage from Reference: 2

Small to medium, gray/white, translucent, smooth, circular with entire edge

Microscopic Features:

Gram positive ovoid cells, mostly in pairs or short chains

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): negative
- (1) Bile Esculin Agar: positive
- (1) Streptomycin (300 mcg Disk Susceptibility): 14 20 mm
- (1) Gentamicin (120 mcg Disk Susceptibility): 16 23 mm
- (1) SXT (1.25/23.75 Disk Susceptibility): >/= 20 mm BHIA w/Vancomycin (6 mcg/ml): Sensitive



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bioMerieux Customer: 1012555

System #: 521711

Laboratory Report

Printed Apr 11, 2016 11:15 CDT

Printed by: cmc Report Version: 1 of 1

Isolate Group: 366 244-1 Bench: CC

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

Bionumber: 154002761773671 Organism Quantity: Comments:

Identification	Card:	GP	Lot Number:	242385140	Expires:	Jun 30, 2017 13:00 CDT
nformation	Completed:	Apr 7, 2016 18:56 CDT	Status:	Final	Analysis Time:	4.25 hours
	99% Probabi	lity	Enterococo	us faecalis		
Selected Organism	Bionumber:	154002761773671			Confidence:	Exce ll ent identification
SRF Organism						
Analysis Organisms and Te	ests to Separate	9 :				
Analysis Messages:						
Contraindicating Typical Biopattern(s)						

Biod	chemical I	Deta	ails														
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	+															

AES Parameter Set Name:



Specifications

Microorganism Name: Pseudomonas aeruginosa

Catalog Number: 0416

Lot Number: 416-111

Reference Number: ATCC® 10145™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2018/3/31

Release Information:

Quality Control Technologist: Christine Condon

Release Date: 2016/5/17

Performance

Macroscopic Features:

Large, flat, circular to irregular shaped, gray to silver/green, beta hemolytic. SBAP A second colony type that is small to medium, white to grey, smooth, entire edge may be present.

Microscopic Features:

Straight or slightly curved gram negative rod.

Medium:

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

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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'
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: Pseudomonas aeruginosa

Analyte Description: 0416
Analyte ID: 416-111

Analyte Creation Date/Time: 2016-05-06T15:09:21.088 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(+++)	Pseudomonas aeruginosa DSM 1117 DSM	2.548	<u>287</u>
2(+++)	Pseudomonas aeruginosa DSM 50071T_QC DSM	2.485	<u>287</u>
3(+++)	Pseudomonas aeruginosa 8147_2 CHB	2.414	<u>287</u>
4(+++)	Pseudomonas aeruginosa ATCC 27853 THL	2.335	<u>287</u>
5(+++)	Pseudomonas aeruginosa DSM 1128 DSM	2,325	<u>287</u>
6(+++)	Pseudomonas aeruginosa DSM 50071T HAM	2.305	<u>287</u>
7(+++)	Pseudomonas aeruginosa LMG 8029 LMG	2.305	<u>287</u>
8(++)	Pseudomonas aeruginosa 19955_1 CHB	2.122	<u>287</u>
9(++)	Pseudomonas aeruginosa A07_08_Pudu FLR	2.102	<u>287</u>
10(+)	Pseudomonas jinjuensis LMG 21316T HAM	1.873	<u>198616</u>

Comments:

N/A		



Specifications

Microorganism Name: Neisseria gonorrhoeae

Catalog Number: 0429

Lot Number: 429-59

Reference Number: ATCC® 43069™* Purity: < 0.1% Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 4

See attached ID System results document.

Expiration Date: 2018/4/30

Release Information:

Quality Control Technologist: Jennifer Holub

Release Date: 2016/6/14

Performance

Macroscopic Features:

Medium:

Small to medium, opaque, tan to grayish white, raised, glistening and 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)

Other Features/ Challenges: Results

(1) Oxidase (Kovacs): positive

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

Nutrient Agar/35 C/CO2: No growth



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bioMerieux Customer: 1012555

System #: 521711

Laboratory Report

Printed Jun 10, 2016 08:50 CDT

Printed by: jrh

Isolate Group: 42959-1 Bench: JH

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

Bionumber: 5233000000 Organism Quantity:

•	organism Quantity.						
Comments:							

Identification	Card:	NH	Lot Number:	245369522	Expires:	Jan 25, 2017 12:00 CST
Information	Completed:	Jun 9, 2016 23:56 CDT	Status:	Final	Analysis Time:	6.00 hours
	96% Probabi	lity	Neisseria g	onorrhoeae		
Selected Organism	Bionumber:	5233000000			Confidence:	Excellent identification
SRF Organism	•					
Analysis Organisms and	d Tests to Separate	9:				
Analysis Messages:						
Critical Pathogen						
Contraindicating Typica	I Biopattern(s)					
Neisseria gonorrhoeae	dGLU(92),					

Bio	chemical [Deta	ails														
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: Streptococcus agalactiae (group B)

Catalog Number: 0439

Lot Number: 439-61

Reference Number: ATCC® 12386™* 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: 2016/7/18

Performance

Macroscopic Features:

Small, white to gray with beta hemolysis.

Microscopic Features:

Gram positive cocci in short to long chains.

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): negative

Bacitracin Differential: Resistant

Streptococcus Antiserum Group B: positive

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- (1) These tests are accredited to ISO/IEC 17025:2005.





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'
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: Streptococcus agalactiae (group B)

Analyte Description: 0439
Analyte ID: 439-61

Analyte Creation Date/Time: 2016-07-12T15:57:28.689 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(++)	Streptococcus agalactiae V29 CTL	2.271	<u>1311</u>
2(++)	Streptococcus agalactiae DSM 6784 DSM	2.159	<u>1311</u>
3(++)	Streptococcus agalactiae 04_158 CTL	2.151	<u>1311</u>
4(++)	Streptococcus agalactiae DSM 16828 DSM	2.12	<u>1311</u>
5(++)	Streptococcus agalactiae 03_102 CTL	2.119	<u>1311</u>
6(++)	Streptococcus agalactiae 03_145 CTL	2.065	<u>1311</u>
7(++)	Streptococcus agalactiae CNR 10 CTL	2.008	<u>1311</u>
8(+)	Streptococcus agalactiae 03_198 CTL	1.951	<u>1311</u>
9(+)	Streptococcus agalactiae DSM 2134T DSM	1.75	<u>1311</u>
10(-)	Streptococcus parauberis DSM 6631T DSM	1.508	<u>1348</u>

Comments:

N/A		



Specifications

Microorganism Name: Candida albicans

Catalog Number: 0443 Lot Number: 443-605

Reference Number: ATCC® 10231™* 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: Tracy A Blenker

Release Date: 2016/7/18

Performance

Macroscopic Features:

Small to medium, white, circular, convex, dull colonies.

Microscopic Features:

Gram positive, ovoidal, budding yeast cells.

Medium:

Nutrient Method:

Gram Stain (1)

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Germ Tube Test: positive
- (1) Chlamydospore production: positive



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Meaning of Score Values

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

Analyte Name: Candida albicans

Analyte Description: 0443 Analyte ID: 443-605

Analyte Creation Date/Time: 2016-07-11T14:15:13.711 TB

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 (++)	Candida albicans CBS 8190 CBS	2.08	<u>5476</u>
2 (++)	Candida albicans VA_17248_07 04 UKE	2.03	<u>5476</u>
3 (+)	Candida albicans CBS 1905 NT CBS	1.978	<u>5476</u>
4 (+)	Candida albicans ATCC 10231 THL	1.957	<u>5476</u>
5 (+)	Candida albicans CBS 562 NT CBS	1.925	<u>5476</u>
6 (+)	Candida albicans DSM 6659 DSM	1.883	<u>5476</u>
7 (+)	Candida albicans DSM 1665 DSM	1.882	<u>5476</u>
8 (+)	Candida albicans_(africana) CBS 8781 CBS	1.845	241526
9 (+)	Candida albicans DSM 1665 BRB	1.831	<u>5476</u>
10 (+)	Candida albicans DSM 6569 BRB	1.791	<u>5476</u>

Comments:	
N/A	



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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Meaning of Score Values

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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.
D	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
С	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