

Specifications

Microorganism Name: Stenotrophomonas maltophilia

Catalog Number: 0759

Lot Number: 759-39

Reference Number: ATCC® 17666™* 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: Mary L Bowman

Release Date: 2016/9/6

Performance

Macroscopic Features:

Medium to large, circular, convex, entire edge, gray, glistening.

Microscopic Features:

Straight to slightly curved gram negative 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

Laboratory Report

Printed Sep 6, 2016 08:41 CDT

Printed by: mlb

Isolate Group: 759 39-1 Bench: MB

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

Bionumber: 1022103003540020

Organism Quantity:

System #: 521711

organioni Quantity.	
Comments:	
Comments:	GN QC OK MB 9/6/16

Identification	Card:	Card: GN		241370540	Expires:	Feb 4, 2017 12:00 CST				
Information	Completed:	Sep 1, 2016 17:59 CDT	Status: Final		Analysis Time:	4.25 hours				
	99% Probabi	lity	Stenotrophomonas maltophilia							
Selected Organism	Bionumber:	1022103003540020			Confidence:	Excellent identification				
SRF Organism										
Analysis Organisms and Te	sts to Separate	9:								
Analysis Messages:										
Contraindicating Typical Bi	onattern(s)									

Biod	chemical D	eta	ails														
2	APPA	+	3	ADO	-	4	PyrA	_	5	IARL	-	7	dCEL	-	9	BGAL	-
10	H2S	ı	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: Bacillus licheniformis

Catalog Number: 0812

Lot Number: 812-52

Reference Number: ATCC® 12759™* Purity: < 0.1% 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: 2016/8/5

Performance

Macroscopic Features:

Large, light gray to colorless colonies. Some colonies are dry and wrinkled SBAP with yellow color developing on the top of the colonies and the other type is smoother and mucoid. Culture is weakly beta hemolytic.

Medium:

Microscopic Features:

Straight gram positive rod with an ellipsoidal, central spore.

Method: Gram Stain (1)

ID System: Vitek BCL (1)

See attached ID System results document.

Other Features/ Challenges: Results

SBAP/35C/AN/24hr: growth

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bioMerieux Customer: 1012555

Laboratory Report

Printed Aug 4, 2016 09:51 CDT

Printed by: cmc

Isolate Group: 812 52-1 Bench: CC

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

Bionumber: 1332361757477271

Organism Quantity:

System #: 521711

Comments:	

Identification		Card:	BCL	Lot Number:	239376120	Expires:	Apr 1, 2017 13:00 CDT
Information		Completed:	Aug 4, 2016 06:25 CDT	2016 06:25 Status: Final		Analysis Time:	14.00 hours
Selected Organism		92% Probabil	ity	Bacillus lich			
		Bionumber:	1332361757477271			Confidence:	Good identification
SRF Organism							
Analysis Organis	sms and Test	s to Separate	:				
Analysis Messag	jes:						
Contraindicating	Typical Biop	attern(s)					
Bacillus lichenifori	mis	APPA(1),GLY	G(79),IRHA(28),INU(12),			

Bio	Biochemical Details																
1	BXYL	+	3	LysA	-	4	AspA	-	5	LeuA	+	7	PheA	+	8	ProA	Ţ-
9	BGAL	+	10	PyrA	+	11	AGAL	(-)	12	AlaA	-	13	TyrA	+	14	BNAG	-
15	APPA	+	18	CDEX	+	19	dGAL	-	21	GLYG	-	22	INO	+	24	MdG	+
25	ELLM	+	26	MdX	-	27	AMAN	-	29	MTE	+	30	GlyA	(+)	31	dMAN	+
32	dMNE	+	34	dMLZ	-	36	NAG	+	37	PLE	+	39	IRHA	+	41	BGLU	+
43	BMAN	-	44	PHC	-	45	PVATE	+	46	AGLU	+	47	dTAG	+	48	dTRE	+
50	INU	+	53	dGLU	+	54	dRIB	+	56	PSCNa	-	58	NaCI 6.5%	+	59	KAN	-
60	OLD	+	61	ESC	+	62	TTZ	+	63	POLYB_R	+						



Specifications

Microorganism Name: Streptococcus pneumoniae

Catalog Number: 0865

Lot Number: 865-34

Reference Number: ATCC® 10015™* Purity: > 99.9% of Total Pellet CFU Recovery: > 1000 CFUs per Pellet Passage from Reference: 2

Expiration Date: 2018/8/31

Release Information:

Quality Control Technologist: Mary L Bowman

Release Date: 2016/11/3

Performance

Macroscopic Features:

Medium:

Medium, circular, convex, entire edge, translucent, slightly mucoid, alpha CNA hemolytic.

Microscopic Features:

Method:

Gram positive cocci (lancet to coccoid shaped), typically in pairs, also singly, Gram Stain (1) or short chains.

ID System: MALDI-TOF

See attached ID System results document.

Other Features/ Challenges: Results

(1) Catalase (3% Hydrogen Peroxide): negative Optochin differential: Sensitive (6 mm disks >/= 14 mm)

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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: Streptococcus pneumoniae

Analyte Description: 0865 Analyte ID: 865-34

Analyte Creation Date/Time: 2016-10-25T15:00:19.492 MB

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>G7(</u> +++) (A)	865-34	Streptococcus pneumoniae	2.414

Comments:

Streptococcus mitis / oralis / peroris / pneumoniae / pseudopneumoniae are closely related! The result may be confirmed by a further test, e.g. bile test or optochin test, according to standard clinical microbiological practice.



Specifications

Microorganism Name: Streptococcus pneumoniae

Catalog Number: 0947

Lot Number: 947-69

Reference Number: ATCC® 49619™* 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: Carol J Stanoch

Release Date: 2016/7/20

Medium: **CNA**

Method:

Performance

Macroscopic Features:

Small to medium, circular, translucent, alpha hemolytic colonies.

Microscopic Features:

Gram positive, lancet and occasionally ovoid shaped, cocci typically in pairs, also singly, or short chains. Gram Stain (1)

ID System: Vitek GP (1)

See attached ID System results document.

Other Features/ Challenges: Results

- (1) Catalase (3% Hydrogen Peroxide): negative Optochin differential: Sensitive (6 mm disks: >/= 14
- (1) Oxacillin (1 mcg Disk Susceptibility): </= 12 mm
- (1) Cefotaxime (30 mcg Disk Susceptibility): 31 39 mm
- (1) Ceftriaxone (30 mcg Disk Susceptibility): 30 35 mm



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bioMerieux Customer: 1012555

System #: 521711

Laboratory Report

Printed Jun 20, 2016 10:06 CDT

Printed by: cjs

Isolate Group: 947 69-1 Bench: CS

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

Bionumber: 061111364307530 Organism Quantity:

Comments:	
Comments:	

Identification	Card:	Card: GP		242385140	Expires:	Jun 30, 2017 13:00 CDT				
Information	Completed:	Jun 16, 2016 18:47 CDT	Status: Final		Analysis Time:	6.00 hours				
	95% Probabi	lity	Streptococcus pneumoniae							
Selected Organism	Bionumber:	061111364307530			Confidence:	Very good identification				
SRF Organism										
Analysis Organisms and To	ests to Separate	9:								
Analysis Messages:										
Contraindicating Typical B	iopattern(s)									
Streptococcus pneumoniae	PUL(13),SAL	.(17),								

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	-															

AES Parameter Set Name:



Specifications

Microorganism Name: Streptococcus pyogenes (group A, type 3)

Catalog Number: 0979

Lot Number: 979-53 Reference Number: ATCC® 12384™* 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: Carol J Stanoch

Release Date: 2016/11/7

Performance

Macroscopic Features:

Small, circular, translucent/white, slightly mucoid, beta hemolytic colonies.

Microscopic Features:

Gram positive cocci.

ID System: MALDI-TOF

See attached ID System results document.

Medium:

SBAP

Method: Gram Stain (1)

Other Features/ Challenges: Results

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

Bacitracin differential: Sensitive

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2.000 2.299	secure genus identification, probable species identification	(++)	green
1.700 1.999	probable genus identification	(+)	yellow
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_ ^	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: Streptococcus pyogenes (group A, type 3)

Analyte Description: 0979 Analyte ID: 979-53

Analyte Creation Date/Time: 2016-10-27T10:17:01.171 cs

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
(+++)(A)	979-53	Streptococcus pyogenes	<u>2.3</u>

Comments:

Species canis / dysgalactiae / pyogenes of the genus Streptococcus have very similar patterns: Therefore distinguishing their species is difficult.



Specifications

Microorganism Name: Candida glabrata

Catalog Number: 0986

Lot Number: 986-39

Reference Number: ATCC® 66032™* 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: Carol J Stanoch

Release Date: 2016/4/6

Performance

Macroscopic Features:

Small, white, convex, circular colonies.

Microscopic Features: Gram positive yeast cells. Medium:

Nutrient Method:

Gram Stain (1)

ID System: Vitek YST (1)

See attached ID System results document.

Other Features/ Challenges: Results

(1) Germ Tube Test: negative

(1) Chlamydospore production: negative



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bioMerieux Customer: 1012555

Laboratory Report

System #: 521711

Printed Mar 31, 2016 15:31 CDT Printed by: cjs

Report Version: 2 of 2

Isolate Group: 986 39-1 Bench: CS

Last Updated: Mar 31, 2016 15:31 CDT By: cjs

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

Bionumber: 4400104000205111

Organism Quantity:

Comments:	

Card:	YST	Number:		Expires:	Jul 1, 2017 13:00 CDT 18.25 hours		
Completed:	Mar 30, 2016 03:05 CDT			Analysis Time:			
94% Probabil	lity	Candida glabrata					
Bionumber:	4400104000205111			Confidence:	Low discrimination		
ests to Separate	: :						
า							
dTREf(100),							
dTREf(0),							
	Completed: 94% Probabil Bionumber: ests to Separate dTREf(100),	Completed: Mar 30, 2016 03:05 CDT 94% Probability Bionumber: 4400104000205111 ests to Separate:	Card: YST Number: Completed: Mar 30, 2016 03:05 CDT Status: 94% Probability Candida gli Bionumber: 4400104000205111 ests to Separate:	Card: YST Number: 243385220	Card: YST Number: 243385220 Expires:		

Contraindicating Typical Biopattern(s)

Candida glabrata LATa(1),GLYLa(12),

Candida lipolytica dTREa(1),

Biod	Biochemical Details																
3	LysA	-	4	IMLTa	-	5	LeuA	+	7	ARG	(-)	10	ERYa	-	12	GLYLa	+
13	TyrA	-	14	BNAG	1	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	+						

Installed VITEK 2 Systems Version: 07.01

MIC Interpretation Guideline: AES Parameter Set Name: