

Inoculation record and results

Spirit Lake Fish Hatchery Walleye

Page 1 of 1

Lab data book/page(s): WAE #1/1

File folder: 86

Proofed: 22 FEB 12 SWS

Reviewed: CMA /OMARIS

Drug tested: —

Lot # TSA 1110304 Exp. Date 7/20/11

TSA 30°C

① TSA media

18 Jun 11 MTL

Sample ID number	Aeromonad sp.	Plate Inoculation		Growth (Y/N)	Rimler-Shotts Media	
		Date/Time	Initials		Date/Time	Initials
T11001		7/15/11: 1016	Dm	N	18 Jun 11 MTL	1220
T11002		7/15/11: 1019	Dm	N		
T12001		7/15/11: 1021	Dm	N		
T12002		7/15/11: 1023	Dm	N		
T13001		7/15/11: 1025	Dm	N		
T13002		7/15/11: 1026	Dm	N		
T14001		7/15/11: 1028	Dm	N		
T14002		7/15/11: 1029	Dm	N		
T15001		7/15/11: 1030	Dm	N		
T15002		7/15/11: 1032	Dm	N		
T16001		7/15/11: 1035	Dm	N		
T16002		7/15/11: 1037	Dm	N		
T17001		7/15/11: 1038	Dm	N		
T17002		7/15/11: 1040	Dm	fungus N		
T18001		7/15/11: 1042	Dm	+		
T18002		7/15/11: 1043	Dm	Fungus N		
T19001		7/15/11: 1045	Dm	N		
T19002		7/15/11: 1047	Dm	Fungus N		
T20001		7/15/11: 1048	Dm	+		
T20002		7/15/11: 1050	Dm	N	18 Jun 11 MTL	1220

① data sheet should say TSA instead of Rimler-Shotts, as its used as the 10 isolation media 18 Jun 11 MTL

② plates were placed in refrigeration at 48 hrs. Isolation was attempted on 18 Jun 11 MTL.

Item No.

~~Hatchery Musky~~ Incorrect ID 4AUG11 SWS

Inoculation record and results

Page 1 of 3Lab data book/page(s): WAE #1/1-8 File folder: 8b Prooferd: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
T11-01		10:05/16JUL11	ARC			
T11-02		10:08/16JUL11	ARC			
T12-01		10:15/16JUL11	ARC			
T12-02		10:18/16JUL11	ARC			
T13-01		10:25/16JUL11	ARC			
T13-02		10:28/16JUL11	ARC			
T14-01		10:34/16JUL11	ARC			
T14-02		10:37/16JUL11	ARC			
T15-01		10:48/16JUL11	ARC			
T15-02		10:51/16JUL11	ARC			
T16-01		11:07/16JUL11	ARC			
T16-02		11:10/16JUL11	ARC			
T17-01		11:20/16JUL11	ARC			
T17-02		11:22/16JUL11	ARC			
T18-01		11:30/16JUL11	ARC			
T18-02		11:34/16JUL11	ARC			
T20-01		9:05/17JUL11	ARC			
T20-02		9:08/17JUL11	ARC			
T19-01		9:55/18JUL11	ARC			
T19-02		9:58/18JUL11	ARC			
T11-03		9:25/21JUL11	ARC			
T11-04		9:28/21JUL11	ARC			
T12-03		9:31/21JUL11	ARC			

① Correct date of sample is 17 JUL 11. 17JUL11 ARC

Pg 1 of 3

Item No. _____

Date: 28 Jun 11

Inoculation record and results

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Lab data book/page(s): WAE #1/1-8 File folder: 86 Proofer: Reviewed:

Drug tested: _____ Lot #: _____ Exp. Date: _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
T12-04		9:33/20JUL11	ARC			
T13-03		9:40/20JUL11	ARC			
T13-04		9:42/20JUL11	ARC			
T14-03		9:48/21JUL11	ARC			
T14-04		9:51/21JUL11	ARC			
T15-03		10:06/21JUL11	ARC			
T15-04		10:09/21JUL11	ARC			
T16-03		10:16/21JUL11	ARC			
T16-04		10:20/21JUL11	ARC			
T17-03		10:25/21JUL11	ARC			
T17-04		10:28/21JUL11	ARC			
T18-03		11:01/21JUL11	ARC			
T18-04		11:03/21JUL11	ARC			
T19-03		11:07/21JUL11	ARC			
T19-04		09:14/22JUL11	ARC			
T20-03		09:20/22JUL11	ARC			
T20-04		09:23/22JUL11	ARC			
T11-05		11:01/25JUL11	ARC			
T11-06		11:03/25JUL11	ARC			
T12-05		11:07/25JUL11	ARC			
T12-06		11:09/25JUL11	ARC			
T13-05		11:13/25JUL11	ARC			
T13-06		11:15/25JUL11	ARC			

WAE

↑

WAE

Inoculation record and results

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Lab data book/page(s): WAE #1 / 1-8 File folder: 86 Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

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Inoculation record and results

Page 1 of 1
Lab data book/page(s): WAE #4/10 File folder: 8b Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

Pg of

Item No.

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species: WAE		Page of	Media type <u>TSA</u>	Incubation temperature <u>29</u> °C	
Date collected	System	Tank	Fish #	Growth (Present [+] / Absent [-])			
				24 h observation		48 h observation	
				+/-	Date/Initials	+/-	Date/Initials
08 Jul 12	B	4	3	(+)	26/27/12 MPW		
08 Jul 12	A	2	25	(+)			
27 Jun 12	B	6	8	(+)			
27 Jun 12	B	2	9	(+)			
09 Jul 12	B	4	21	(+)			
09 Jul 12	B	4	22	(+)			
09 Jul 12	B	1	27A	(+)			
② 25 Jun 12	B	1	27B	(+)			
09 Jul 12	B	1	26	(+)			
07 Jul 12	B	5	6	(+)			
07 Jul 12	B	3	3	(+)			
08 Jul 12	B	7	5	(+)			
08 Jul 12	B	4	7	(+)			
01 Jul 12	A	1	6	(+)			
03 Jul 12	B	9	2	(+)			
03 Jul 12	B	8	4A	(+)			
03 Jul 12	B	8	4B	(+)			
03 Jul 12	B	8	3A	(+)			
03 Jul 12	B	8	3B	(+)			
03 Jul 12	A	4	20	(+)			
03 Jul 12	B	1	5	(+)			
03 Jul 12	B	5	3A	(+)			
03 Jul 12	B	5	3B	(+)			
27 Jun 12	A	9	8B	(+)			
27 Jun 12	A	9	8A	(+)	7/26/12 MPW		

*if growth is not observed at 24 hours, observe again at 48 hours

AEH-09-MAS-02

① wrong date 7/26/12 MPW

② wrong date Actual: 09 Jul 12 7/26/12 MPW

③ written incorrectly 7/26/12 MPW

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species: WAE		Page of	Media type <u>TSA</u> Incubation temperature <u>29</u> °C	Growth (Present [+]/Absent [-])		Morphology	
Date collected	System	Tank	Fish #	24 h observation		48 h observation			
				+/-	Date/Initials	+/-	Date/Initials		
09 Jul 12	A	8	23	(+)	7/26/12 MPW			small, circular T	
09 Jul 12	A	8	24	(+)	↑			small, irregular C	
26 Jun 12	B	9	1B	(+)				small, circular S	
26 Jun 12	B	9	1A	(+)				pin point R	
26 Jun 12	A	2	1	(+) (1) (-)		(-)	7/27/12 MPW	small circle (2) no growth	
26 Jun 12	B	6	2	(+)				pin point Y	
26 Jun 12	B	6	3	(-)		(+)	7/27/12 MPW	small, circular fuzzy	
27 Jun 12	B	6	9	(-)		(-)	7/27/12	no growth	
26 Jun 12	A	3	4	(+)				small, circular C	
28 Jun 12	A	5	3B	(+)				small, circular T	
28 Jun 12	A	5	3A	(+)				pin point C	
26 Jun 12	A	3	3	(+)				small circular C	
26 Jun 12	A	3	1	(+)				small, circular T	
26 Jun 12	A	2	2	(+)				small, circular C	
27 Jun 12	B	2	8	(+)				small, circular C	
27 Jun 12	A	9	9	(+)				small, circular C	
10 Jul 12	A	7	11	(+)				medium, circular brown tint	
15 Jul 12	A	4	24	(+)				small, circular C	
15 Jul 12	B	7	14A	(+)				small, circular C	
15 Jul 12	B	7	14B	(+)				small, circular C	
10 Jul 12	B	1	30	(+)				small, circular C	
10 Jul 12	B	9	5	(+)				small, circular C	
14 Jul 12	B	3	5	(+)				small, circular C	
10 Jul 12	B	9	4	(+)	✓			small, circular T	
13 Jul 12	B	8	6	(+)	7/26/12 MPW			small, circular C	

*if growth is not observed at 24 hours, observe again at 48 hours

AEH-09-MAS-02 (1) written incorrectly 7/26/12 MPW

(2) written in wrong box 7/27/12 MPW

(3) small, round, tan 8/6/12 MPW

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species: WAF		Page_of	Media type TSA	Incubation temperature 29 °C	Morphology	
Date collected	System	Tank	Fish #	Growth (Present [+] / Absent [-])				
				24 h observation	48 h observation	+/-		
+/-	Date/Initials	+/-	Date/Initials					
01Jul12	B	5	1A	(+)	26Jul12 Mpw		small, circular	
01Jul12	B	1	3	(+)	↑		small, circular	
09Jul12	B	4	24A	(-)	↑	(-)	no growth small, circular	
06Jul12	B	5	7	(+)	↑		small, circular	
07Jul12	A	8	4	(+)	↑		small, circular	
07Jul12	A	8	3	(+)	↑		small, circular	
06Jul12	A	8	2	(+)	↑		small, circular	
06Jul12	B	5	8	(+)	↑		small, circular	
06Jul12	B	7	3	(+)	↑		small, circular	
08Jul12	B	4	5	(+)	↑		small, circular	
07Jul12	B	1	23	(+)	↑		small, circular	
07Jul12	B	3	2	(+)	↑		small, circular	
07Jul12	A	8	5	(+)	↑		small, circular	
08Jul12	B	4	6	(+)	↑		small, circular	
09Jul12	B	4	24B	(+)	↑		small, circular	
09Jul12	B	4	23	(+)	↑		small, circular	
09Jul12	A	8	21B	(+)	↑		small, circular	
09Jul12	A	8	21A	(+)	↑		small, irregular edges	
09Jul12	A	8	22B	(+)	↑		small, circular	
09Jul12	A	8	22A	(+)	↑		pin point	
08Jul12	B	4	6B	(+)	↑		small, oval	
08Jul12	B	4	6A	(+)	↑		small, circular	
08Jul12	B	7	4	(+)	↑		small, circular	
07Jul12	A	8	6	(+)	↓		irregular	
07Jul12	A	4	21	(+)	26Jul12 Mpw		small, irregular	

*if growth is not observed at 24 hours, observe again at 48 hours

AEH-09-MAS-02

①written incorrectly 7/27/12 Mpw

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species:	WAE	Page of	Media type Incubation temperature	TSA 29 °C	Morphology
Date collected	System	Tank	Fish #	Growth (Present [+]/Absent [-])			
				+/-	Date/Initials	+/-	Date/Initials
14 Jul 12	A	5	20	(+)	7/26/12 mpw		medium, oval T
14 Jul 12	A	4	22	(+)			medium, oval T
30 Jun 12	B	1	2A	(+)			pinpoint W
30 Jun 12	B	1	2B	(+)			small, circular CW
27 Jun 12	A	2	9	(-)		(-) 7/27/12 mpw	no growth
27 Jun 12	A	6	2	(-)		(-) 7/27/12 mpw	no growth
27 Jun 12	A	7	1	(+)			small, circular CW
30 Jun 12	A	1	4	(+)			small, circular T
30 Jun 12	A	7	5	(+)			medium, circular T
4 Jul 12	B	1	9B	(+)			circles, small CW
4 Jul 12	B	1	9A	(+)			pinpoint
16 Jul 12	B	7	15B	(+)			medium, irregular CW
16 Jul 12	B	7	15A	(+)			pinpoint T
16 Jul 12	B	8	37	(+)			small, circular T
16 Jul 12	A	5	31	(+)			small, circular CW
17 Jul 12	A	4	25	(+)			small, circular CW
17 Jul 12	A	4	26	(+)			small, circular T
17 Jul 12	B	8	38	(+)			small, circular CW
17 Jul 12	A	4	27	(+)			small, circular T
17 Jul 12	B	3	6	(+)			medium, circular CW
17 Jul 12	B	9	32	(+)			small, circular CW
4 Jul 12	B	5	5	(+)			small, circular T
4 Jul 12	B	5	4	(+)			small, circular CW
29 Jun 12	A	1	3	(+)			pinpoint CW
28 Jun 12	A	3	5	(+)	7/26/12 mpw		small, circular CW

*if growth is not observed at 24 hours, observe again at 48 hours

AEH-09-MAS-02

① identified incorrectly 7/26/12 mpw

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species: WAE		Page ____ of ____	Media type Incubation temperature °C			
Date collected	System	Tank	Fish #	Growth (Present [+] / Absent [-])				
				24 h observation		48 h observation		
				+ / -	Date/Initials	+ / -	Date/Initials	
09 Jun 12	B	9	3	(+)	7/26/12 MPW			small, circular T
09 Jun 12	B	7	6A	(+)	7/26/12 MPW			pinpoint ch
10 Jun 12	B	7	8	(+)	7/26/12 MPW			pinpoint T
4 Jul 12	A	1	10	(+)	7/26/12 MPW			small, circular T
3 Jul 12	A	5	19	(+)		↑		small, circular ch
3 Jul 12	A	6	5	(+)				small, circular ch
2 Jul 12	A	6	4A	(+)				small, circular ch
2 Jul 12	A	6	4B	(+)				small, circular ch
2 Jul 12	B	5	2	(+)				small, circular T
15 Jul 12	B	7	15A	(+)				small, circular T
15 Jul 12	B	7	15B	(+)				pinpoint w
14 Jul 12	B	5	13	(+)				small, circular T
14 Jul 12	A	4	23	(+)				small, circular ch
14 Jul 12	B	5	15	(+)				small, circular ch
2 Jul 12	A	1	8	(+)		↓		small, circular T
2 Jul 12	B	3	1	(+)	7/26/12 MPW			small, circular T
26 Jun 12	B	2	1	(+)	7/27/12 MPW			small, circular ch
26 Jun 12	B	2	2	(+)	7/27/12 MPW			small, circular T
1 Jul 12	B	8	2	(+)	7/27/12 MPW			small, circular ch
1 Jul 12	B	5	1B	(+)	7/27/12 MPW			small, circular ch
1 Jul 12	B	5	1B	(+)	7/26/12 MPW			small, circular T

*if growth is not observed at 24 hours, observe again at 48 hours

CW - creamy white
W - white
T - tan
Yellow

AEH-09-MAS-02

① written incorrectly, Actual: 7/26/12 msw

★ second colony on same plate

File Folder: _____ Lab book/pgs: _____ Proofed: _____ Reviewed: _____

Start date:		Fish species: WAE		Page of	Media type T5A	Incubation temperature 29 °C
Date collected	System	Tank	Fish #	Growth (Present [+] / Absent [-])		
				24 h observation	48 h observation	+/- Date/Initials
				+/-	Date/Initials	Morphology
18 Jun 12	B	3	8	(+)	7/26/12 MPW	small, circular T
18 Jun 12	B	3	7	(+)		small, circular CW
12 Jul 12	B	2	12	(+)		small, circular CW
12 Jul 12	B	8	5	(+)		small, oval T
14 Jul 12	B	8	12	(+)		small, circular T
14 Jul 12	B	8	11	(+)		small, circular CW
14 Jul 12	B	5	14	(+)		small circular CW
14 Jul 12	B	8	10	(+)		- small, circular, yellow - small, circular, cream
09 Jul 12	A	8	25	(+)		small, oval CW
09 Jul 12	B	1	26	(+)		small, oval CW
29 Jun 12	A	7	2A	(+)		pin point W
29 Jun 12	A	7	2B	(+)		small, circular T
29 Jun 12	B	8	1	(+)		small circular CW
29 Jun 12	A	7	3	(+)		small circular CW
29 Jun 12	B	6	15	(+)		small, circular T center darker
30 Jun 12	A	7	6	(+)		small, circular CW
09 Jul 12	B	4	25B	(+)		small, circular CW
09 Jul 12	B	1	29	(+)		small, circular CW
05 Jul 12	B	7	2	(+)		small, circular CW
05 Jul 12	B	7	1	(+)		small, circular CW
09 Jul 12	B	7	6B	(+)		small, circular
09 Jul 12	B	7	7	(+)		small, circular CW
10 Jul 12	B	9	6A	(+)		pin point ^① W
10 Jul 12	B	9	6B	(+)		small, circular T
09 Jul 12	B	4	25A	(+)	7/26/12 MPW	small, circular T

*if growth is not observed at 24 hours, observe again at 48 hours

AEH-09-MAS-02

(+) small, circular, white 7/26/12 MPW

* two colonies ~~MPW~~ 7/26/12 MPW

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10AUG12

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
A3-5	presumptive	09AUG12 045A	MTL	Y	10AUG12 045A	MTL
A9-9				N		
A7-1				Y		
B6-8				Z		
B2-2				Z		
B2-9				Z		
B2-8				Y		
B5-3A				Y		
B1-9B				Z		
B1-9A				Y		
B1-5				Y		
B7-2				Y		
B7-1				Z		
B5-5		09AUG12 045A	MTL	Y	10AUG12 045A	MTL
B5-4	presumptive	09AUG12 045A	MTL	Y	10AUG12 045A	MTL

42/52

RS culture data
for WAE 2012frozen down
highlighted

10AUG12 MTL

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10AUG12

Inoculation record and results

Page ____ of ____

Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot #: _____ Exp. Date: _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
B1-27A	presumptive	10AUG12 045A	MTL	N	10AUG12 030A	MTL
A6-4B				N		
A6-5				N		
A5-19				Z		
A1-8				Z		
B9-3				Z		
B7-7				Z		
B7-6A				Z		
B7-6B				Z		
A8-22A				Z		
A8-24				Z		
A8-23				Z		
A8-22B				Y		
A7-2A				N		
A1-3				N		
A5-3A				N		
A5-3B				Y		
A4-23				Z		
A4-24				Z		
A5-2D				Z		
A7-2D				Y		
A7-6				Y		
A1-6	presumptive	10AUG12 045A	MTL	Y	10AUG12 030A MTL	MTL

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10/11/12

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10AUG12

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot #: _____ Exp. Date: _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
B7-4	presumptive	09 Aug 12 8:45	MFW	N	10 Aug 12 8:30	MFW
B4-21				N		
B4-7				N		
B7-5				N		
B9-1A				Y		
B9-1B				Y		
B6-2				N		
B2-1				N		
A8-25				Y		
B5-13				Y		
B3-5				Y		
A4-22				N		
B5-15				N		
B8-11				Y		
B5-14				Y		
B8-10				N		
A8-25						
B5-13						
B3-5						
A4-2						
B9-6B				Y		
B8-5		↓	↓	↓	↓	↓
B9-6A	presumptive	09 Aug 12 8:45	MFW	N	10 Aug 12 8:30	MFW

① Already did plate 10 Aug 12 MFW

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofer: _____ Reviewed: _____

Drug tested: _____ Lot #: _____ Exp. Date: _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
A4-25	presumptive	09AUG12 045A	MTL	Y*	10AUG12 030A	MTL
A5-31				N		
A4-20				N		
A4-27				MTL 10AUG12 AT Y*		
B1-8				N		
B9-4				N		
B1-24				N		
B9-5				N		
B1-20B				N		
B8-4B				N		
B4-22				N		
B1-20A				N		
B3-7				N		
B3-8				N		
B9-32				N		
B3-6				N		
B4-5				N		
B4-6B				N		
B4-6A				N		
B4-3				N		
B1-21B				N		
B4-23		↓	↓	↓	↓	↓
B4-24B	presumptive	09AUG12 045A	MTL	N	10AUG12 030A	MTL

④ questionable positives, sampled in case 10AUG12 MTL

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10/16/12

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
A1-4	presumptive	10/16/12 045A	MTL	N	10/16/12 030A	MTL
AU-4A						
B8-38						
B7-15A						
B7-15B						
B8-37						
A8-21B						
A8-21A						
A4-21						
A2-25						
B5-8						
B1-23						
B5-7						
B7-3						
A3-1						
A2-2						
A3-4						
A3-3						
A8-6						
A8-5						
A8-4						
A8-3		↓	↓	↓	↓	↓
A9-84	presumptive	10/16/12 045A	MTL	N	10/16/12 030A	MTL

AEH-09-MAS-02

Principal Investigator Approval:

Date: 10/11/12

Inoculation record and results

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Lab data book/page(s): _____ File folder: _____ Proofed: _____ Reviewed: _____

Drug tested: _____ Lot # _____ Exp. Date _____

Sample ID number	Aeromonad sp.	Plate Inoculation		Rimler-Shotts Media		
		Date/Time	Initials	Growth (Y/N)	Date/Time	Initials
B2-12	presumptive	09 Aug 12 8:45	mpw	Y	10 Aug 12 8:30	mpw
B7-14A				N		
B7-15A				N		
✓ B8-12				Y		
✓ B7-14B				Y		
✓ B6-15				Y		
B4-25A				Y		
✓ B8-1				Y		
B1-2B				N		
B5-1A				N		
B5-1B				N		
✓ B1-3				Y		
B8-2				N		
B3-1				N		
✓ B8-3A				Y		
B5-2				N		
B9-2				N		
A9-20				N		
A8-2				Y		
✓ B7-15B				Y		
A1-10				N		
✓ A7-3				Y		
B8-4A	presumptive	09 Aug 8:45	mpw	N	10 Aug 12 8:30	mpw