

TEST REPORT

THE 16TH EURL-SALMONELLA INTERLABORATORY COMPARISON STUDY (2011) ON SEROTYPING AND PHAGE TYPING OF SALMONELLA STRAINS FOR THE NRL-SALMONELLA LABORATORIES

Laboratory code	
Name contact person	
Email address contact person	
Name of laboratory or institute	
Country	

Please enter your remarks and comments on page 12 of the test report.

GENERAL QUESTIONS

Shipment of the strains	
Was your parcel damaged at arrival?	
Date of receipt at your laboratory:	

Sub-culturing	
Medium used for sub-culturing the strains	Name: Manufacturer:

REMARKS CONCERNING THE ADDITIONAL TABLES FOR SEROTYPING

Two **optional** tables are included this test report, to give the EURL-*Salmonella* more information about the antisera used. The tables on pages 4 and 5 concern reactions obtained with O-antisera and the tables on pages 6 and 7 with H-antisera. At the bottom of the table space is left to fill in other antisera than mentioned in the table.

Please mention the manufacturer of the antisera used in the column next to the antisera. Indicate for each combination of strain and antiserum if there was agglutination (+) or not (-). If the cell remains empty this indicates that the agglutination was not determined for the specific combination of antiserum and strain.

Please note that in case of deviating results you will be asked to fill in these tables retrospectively!

QUESTIONS SEROTYPING

<p>What was the frequency of serotyping of <i>Salmonella</i> at your laboratory in 2010?</p>	<p> <input type="checkbox"/> Daily <input type="checkbox"/> Once a week <input type="checkbox"/> Twice a week <input type="checkbox"/> Thrice a week <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Other: </p>
<p>How many <i>Salmonella</i> strains did your laboratory (approximately) serotype in 2010?</p>	<p>Number of strains:</p>
<p>What kind of sera do you use?</p>	<p> <input type="checkbox"/> Prepared in own laboratory <input type="checkbox"/> Commercial sera Manufacturer(s): </p>
<p>The strains in this study were serotyped by:</p>	<p> <input type="checkbox"/> Own laboratory, <input type="checkbox"/> Other laboratory, namely: Strains: </p>

O-antisera	Manufacturer	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21
Group B																						
1, 4, 12, 27																						
1, 4, 5, 12																						
4, 5, 12																						
4, 5, 27																						
4, 5																						
4																						
5																						
Group C																						
7, 8																						
6, 7, 8																						
6, 7																						
6 ₁ , 6 ₂ , 7																						
6, 8																						
8, 20																						
6 ₁																						
6																						
7																						
8																						
14																						
20																						
Group D																						
9																						
9, 12																						
1, 9, 12																						
12																						

O-antisera	Manufacturer	S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21
9, 46																						
46																						
Group E																						
1, 3, 10, 15, 19, 34																						
3, 10, 15, 19, 34																						
(3), (15), 34																						
3, 10, 15																						
3, 10																						
3, 15																						
10																						
15																						
1, 3, 19																						
19																						
Group G																						
13																						
13, 22, 23																						
22																						
23																						
Other O-antisera																						
O11																						
O16																						
O17																						

H-antisera	Manufacturer	Strains																				
		S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21
a																						
b																						
c																						
d																						
E (complex)																						
e, h																						
e, n																						
e, n, x																						
e, n, z ₁₅																						
h																						
x																						
x (z ₁₆)																						
z ₁₅																						
G (complex)																						
g, p																						
g, m																						
f																						
m																						
p																						
q																						
s																						
t																						
u																						
q, s, t, p, u																						

H-antisera	Manufacturer	Strains																				
		S1	S2	S3	S4	S5	S6	S7	S8	S9	S10	S11	S12	S13	S14	S15	S16	S17	S18	S19	S20	S21
i																						
k																						
L (complex)																						
l, v																						
l, w																						
v																						
w																						
r																						
y																						
z																						
z₆																						
z₁₀																						
1 (complex)																						
2																						
5																						
6																						
7																						
Other H-antisera																						

TEST RESULTS SEROTYPING

Labcode:		Starting date of serotyping:		Finishing date of serotyping:	
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Strain no.	O-antigens	H-antigens (phase 1)	H-antigens (phase 2)	Serovar name
S-1				
S-2				
S-3				
S-4				
S-5				
S-6				
S-7				
S-8				
S-9				
S-10				
S-11				
S-12				
S-13				
S-14				
S-15				
S-16				
S-17				
S-18				
S-19				
S-20				
S-21				

QUESTIONS PHAGE TYPING

Does your laboratory perform phage typing?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, which <i>Salmonella</i> strains do you phage type?	<input type="checkbox"/> <i>Salmonella</i> Typhimurium <input type="checkbox"/> <i>Salmonella</i> Enteritidis <input type="checkbox"/> Other(s):
Which typing system is used for:	<i>Salmonella</i> Typhimurium: <i>Salmonella</i> Enteritidis:
How many strains did your laboratory (approximately) phage type in 2010?	Number of strains:

TEST RESULTS PHAGETYPING

Labcode:		Starting date of phage typing:		Finishing date of phage typing:	
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Notations:

- :	no reaction	O*:	O pooled
+ :	5-20 plaques	(<) CL:	Clear Lysis
+ :	21-40 plaques	(<) OL:	Opaque Lysis
++ :	41-80 plaques	SCL:	Semi Confluent Lysis
+++ :	81-100 plaques	<< :	Merging plaques towards semi-confluent lysis

		Phage reactions at Routine Test Dilution (<i>S. Enteritidis</i>)																
Strain number	Phage type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
E1																		
E2																		
E3																		
E4																		
E5																		
E6																		
E7																		
E8																		
E9																		
E10																		

TEST RESULTS PHAGE TYPING

Labcode:		Starting date of phage typing:		Finishing date of phage typing:	
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		Phage reactions at Routine Test Dilution (<i>S. Typhimurium</i>)																	
Strain number	Phage type	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19
T1																			
T2																			
T3																			
T4																			
T5																			
T6																			
T7																			
T8																			
T9																			
T10																			

		Phage reactions at Routine Test Dilution (<i>S. Typhimurium</i>)												Additional phages						
Strain number	Phage type	20	21	22	23	24	25	26	27	28	29	32	35	1	2	3	10	10 var 2	10 var 3	18
T1																				
T2																				
T3																				
T4																				
T5																				
T6																				
T7																				
T8																				
T9																				
T10																				

DETECTION BY PCR (I)

General questions	
Is the PCR used commercially available ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, give name of PCR, manufacturer and batch used in the study:	<input type="checkbox"/> Real time PCR <input type="checkbox"/> Other PCR Manufacturer : Batch :
Is the PCR validated ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
If yes, for which matrix/matrices and by which organisation?	Matrices:..... Validated by:..... Ref. number:.....
If no, is the PCR published in the open literature ?	Reference literature :
Do you use the PCR routinely ?	<input type="checkbox"/> Yes <input type="checkbox"/> No
How many samples did you test for <i>Salmonella</i> using this PCR in 2010 ? number/year
Volume of DNA-sample added to PCR-mixture

Composition of PCR-mixture		
Compound	Volume per sample	Manufacturer and batch of specific compound
Name of thermocycler		
Number of cycles		
What kind of detection system is used ?		

Results of detection using PCR

Strain no.	Serovar name	Remarks
S1		
S2		
S3		
S4		
S5		
S6		
S7		
S8		
S9		
S10		
S11		
S12		
S13		
S14		
S15		
S16		
S17		
S18		
S19		
S20		
S21		

REMARKS AND COMMENTS

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Name of person(s) carrying out the typing:	
Date:	

Name of person in charge:	
Date:	