


## Web based Test Report of the 19<sup>th</sup> EURL-*Salmonella* Interlaboratory Comparison Study (November 2014) on serotyping and phage typing of *Salmonella* strains, for the NRL-*Salmonella* laboratories



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### 1. Contact

Laboratory code


Name contact person

Email address contact person

Name of laboratory or institute

Country

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## GENERAL QUESTIONS


### Shipment of the strains

#### 2. Was your parcel damaged at arrival?

Yes  
 No

Description of damage

#### 3. Date of receipt at your laboratory:



### Sub-culturing

#### 4. Medium used for sub-culturing the strains

Name

Manufacturer

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## QUESTIONS SEROTYPING

### 5. What was the frequency of serotyping of Salmonella at your laboratory in 2013?

- Daily
- Once a week
- Twice a week
- Thrice a week
- Weekly
- Monthly
- Other

### 6. How many Salmonella strains did your laboratory (approximately) serotype in 2013?

Number of strains

### 7. What kind of sera do you use?

- Biorad
- Own preparation
- Pro-Lab
- Reagensia
- Remel
- Sifin
- Statens Serum Institut (SSI)
- Other, namely:

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### 8. The strains in this study were serotyped by

- Own laboratory
- Other laboratory, namely (Strain numbers):

## Questions on the use of PCR/biochemical tests

### 9. Did you use any biochemical test, like dulcitol, malonate, tartrate, etc., to distinguish between subspecies?

- Yes
- No

Please specify the strain number(s) and the biochemical test(s) used

### 10. Did you use PCR for confirmation of any of the serotyped strains S1-S21?

- Yes
- No

### 11. For which strains did you use this PCR?


Strain numbers

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**12. Is the PCR used commercially available ?**

Yes  
 No

**13. Reference literature**

Aabo et al., 1993  
 Barco et al., 2011  
 Bugarel et al., 2012  
 EFSA Journal, 2010  
 Lee et al., 2009  
 Prendergast et al., 2013  
 Tennant et al., 2010  
 Other, namely:


**14. Do you use this PCR routinely ?**

Yes  
 No

**15. How many samples did you test for Salmonella using this PCR in 2013 ?**

Number

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**16. TEST RESULTS SEROTYPING**

Starting date of serotyping

Finishing date of serotyping

**Please report only those results, on which the identification of the serovar names is based. Be sure to give under "serovar name" the complete serovar name you assign to the strain, even if this means that you have to repeat the O/H antigens as found (see examples 3-5). Also note that for technical reasons it regrettably is not possible to use special fonts like 'italic' or 'subscript' in the submission of your data.**

Examples of preferred reporting:

O-antigens	H-antigens (phase 1)	H-antigens (phase 2)	Serovar name
9,12 g,m	-	-	Enteritidis
4,12 i	2	-	Typhimurium
4,5,12 i	-	-	4,5,12:i:-
6,7 -	1,5	-	6,7:-:1,5
42 g,t	-	-	42:g,t:-

**17. Results serotyping**

	O-antigens	H-antigens (phase 1)	H-antigens (phase 2)	Serovar name
S-1	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
S-2	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
S-3	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>



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**18. QUESTIONS PHAGE TYPING**

**Does your laboratory perform phage typing?**

Yes  
 No

**19. Which Salmonella strains do you phage type?**

Salmonella Typhimurium  
 Salmonella Enteritidis  
 Other(s)

**20. Which phage typing system is used for Salmonella Typhimurium**

**21. Which phage typing system is used for Salmonella Enteritidis**

**22. How many strains did your laboratory (approximately) phage type in 2013?**

Number of strains

Number of strains

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**23. TEST RESULTS PHAGE TYPING**

Starting date of phage typing

Finishing date of phage typing

**Notations**

- CL Confluent (complete) lysis
- OL Opaque lysis (confluent lysis with a heavy central opacity due to secondary (lysogenised) growth)
- Intermediate degrees of confluent lysis
- Intermediate degrees of opaque lysis
- SCL Semi-confluent lysis
- Intermediate degrees of semi-confluent lysis
- +++ Over 100 plaques
- ++ 81 - 100 plaques
- ++ 61 - 80 plaques
- ±± 41 - 60 plaques
- + 21 - 40 plaques
- ± 6 - 20 plaques
- 1 - 5 1 - 5 plaques
- No plaques

**24. Phage type Salmonella Enteritidis**

Salmonella Enteritidis	
E1	<input type="text"/>
E2	<input type="text"/>
E3	<input type="text"/>
E4	<input type="text"/>
E5	<input type="text"/>
E6	<input type="text"/>
E7	<input type="text"/>
E8	<input type="text"/>
E9	<input type="text"/>
E10	<input type="text"/>

**23. Phage reactions at Routine Test Dilution ( S. Enteritidis)**

	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	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]

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**24. Phage type Salmonella Typhimurium**

Salmonella Typhimurium
T1
T2
T3
T4
T5
T6
T7
T8
T9
T10

**25. Phage reactions at Routine Test Dilution ( S. Typhimurium)**

	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	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]

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**26. Phage reactions at Routine Test Dilution ( S. Typhimurium)**

	20	21	22	23	24	25	26	27	28	29	32	35
T1	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T2	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T3	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T4	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T5	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T6	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T7	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T8	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T9	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T10	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]	[.]

**27. Additional phages ( S. Typhimurium)**

	1	2	3	10	10 var 2	10 var 3	18
T1	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T2	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T3	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T4	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T5	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T6	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T7	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T8	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T9	[.]	[.]	[.]	[.]	[.]	[.]	[.]
T10	[.]	[.]	[.]	[.]	[.]	[.]	[.]

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**28. REMARKS AND COMMENTS**

Name of person(s) carrying out the typing

Name of person in charge

Date  

**NOTE:** remind to copy/paste your submission key (which is capital-sensitive!), e.g.into a Word file, in order to be able to re-enter your form, when needed.

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