

TEST REPORT
INTERLABORATORY COMPARISON STUDY ON THE
DETECTION OF SALMONELLA spp. IN ANIMAL FEED SAMPLES
organised by EURL-Salmonella
FEED STUDY II - 2012

Laboratory code	
Laboratory name (NRL)	
Address	
Country	
Date of arrival of the parcels	Date: - - 2012 time: h min
Start time of storage at - 20 °C (lenticule discs)	Date: - - 2012 time: h min
Start time of storage at +5 °C (animal feed)	Date: - - 2012 time: h min
Parcels damaged?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Starting date testing - - 2012
Is your laboratory accredited according to ISO 17025, or planning to become accredited, for the determination of <i>Salmonella</i> ? For which <i>Salmonella</i> method(s) and matrices are you, or planning to become, accredited? <small>*According to EC Regulations No. 882/2004 each NRL should have been accredited for their relevant work field before 31 December 2009 (EC Regulation No. 2076/2005)</small>	Accredited* : <input type="checkbox"/> Yes <input type="checkbox"/> No Planning : <input type="checkbox"/> Yes <input type="checkbox"/> No If 'yes' for planning of accreditation indicate planned year:
	Method : <input type="checkbox"/> ISO 6579 (RVS and MKTTn), matrices: <input type="checkbox"/> Annex D of ISO 6579 (MSRV), matrices: <input type="checkbox"/> Other..... matrices:

PRE-ENRICHMENT – Buffered Peptone Water (BPW)

Medium information BPW

Name manufacturer	
Code number manufacturer	
pH at the day of use, measured at °C

Incubation time and temperature for pre-enrichment after adding matrix and lenticules

Start incubation	Date: - - 2012 time: h min temperature incubator: °C
End incubation	Date: - - 2012 time: h min temperature incubator: °C

SELECTIVE ENRICHMENT - Rappaport Vassiliadis Soya medium (RVS)**Medium information RVS**

Name manufacturer	
Code number manufacturer	
pH at the day of use, measured at °C

Incubation time and temperature for selective enrichment in RVS

Start incubation	Date: - - 2012 time: h min temperature incubator: °C
End incubation	Date: - - 2012 time: h min temperature incubator: °C

SELECTIVE ENRICHMENT - Muller Kauffmann Tetra Thionate + novobiocin (MKTTn)
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Medium information MKTTn	
Name manufacturer	
Code number manufacturer	
Concentration novobiocin per 1L medium mg/L
pH at the day of use, measured at °C

Incubation time and temperature for selective enrichment in MKTTn	
Start incubation	Date: - - 2012 time: h min temperature incubator: °C
End incubation	Date: - - 2012 time: h min temperature incubator: °C

SELECTIVE ENRICHMENT - Modified Semi solid Rappaport Vassiliadis medium (MSRV)

Medium information MSR V	
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Name manufacturer	
Code number manufacturer	
Concentration novobiocin per 1L medium mg/L
pH at the day of use, measured at °C

Incubation time and temperature for selective enrichment on MSR V	
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Start incubation (24 h)	Date: - - 2012 time: h min temperature incubator: °C
End incubation (24 h)	Date: - - 2012 time: h min temperature incubator: °C
Start incubation (48 h)	Date: - - 2012 time: h min temperature incubator: °C
End incubation (48 h)	Date: - - 2012 time: h min temperature incubator: °C

OWN SELECTIVE ENRICHMENT - Additional selective enrichment medium (optional)

If you used, additional, an own selective enrichment, what medium did you use?

Name medium	
Name manufacturer	
Code number manufacturer	

ISOLATION - Xylose Lysine Desoxycholate medium (XLD)**Medium information XLD**

Name manufacturer

Code number manufacturer

Incubation time and temperature for isolation on XLD

Start incubation (24 h)

Date: - - 2012

time: h min

temperature incubator: °C

End incubation (24 h)

Date: - - 2012

time: h min

temperature incubator: °C

Start incubation (48 h)

Date: - - 2012

time: h min

temperature incubator: °C

End incubation (48 h)

Date: - - 2012

time: h min

temperature incubator: °C

ISOLATION – Second Isolation medium (prescribed)**Medium information second isolation medium**

Name of the medium	
Prescribed incubation temperature in °C	
Name manufacturer	
Code number manufacturer	

Incubation time and temperature for isolation on second isolation medium

Start incubation (24 h)	Date: - - 2012 time: h min temperature incubator: °C
End incubation (24 h)	Date: - - 2012 time: h min temperature incubator: °C
Start incubation (48 h)	Date: - - 2012 time: h min temperature incubator: °C
End incubation (48 h)	Date: - - 2012 time: h min temperature incubator: °C

OWN ISOLATION – Additional isolation medium (optional)**If you used, additional, an own isolation medium, what medium did you use?**

Name of the medium	
Prescribed incubation temperature in °C	
Name manufacturer	
Code number manufacturer	

CONFIRMATION – Nutrient agar

Did you streak the colonies on Nutrient agar before starting confirmation?

- Yes No

CONFIRMATION of *Salmonella* suspect colonies

What media/test did you use for confirmation?

- Biochemical: Triple sugar/iron agar (TSI)
 Urea Agar (UA)
 L-Lysine decarboxylation medium (LDC)
 Galactosidase
 Voges-Proskauer (VP)
 Indole
 Identification kit name of the kit :
- Other :

- Serotyping: O antigen H antigen Vi antigen
 Other :

- Other confirmation test :

DETECTION BY PCR (optional)**If you used, additional, a PCR method, please give information below**

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 ? If yes, for which matrix/matrices and by which organisation? If no, is the PCR published in the open literature ?	<input type="checkbox"/> Yes <input type="checkbox"/> No Matrices:..... Validated by:..... Ref. number:..... Reference literature :
Do you use the PCR routinely ? How many samples did you test for <i>Salmonella</i> using this PCR in 2011 ?	<input type="checkbox"/> Yes <input type="checkbox"/> No number/year
At what moment did you start with the extraction/detection?	<input type="checkbox"/> before pre-enrichment in BPW <input type="checkbox"/> after pre-enrichment in BPW <input type="checkbox"/> after selective enrichment on MSRV <input type="checkbox"/> other (please complete)

Table 1 Confirmed results for *Salmonella* after selective enrichment in **RVS** and **MKTTn** (B1-B18 & C1-C7) for 24 hours.

Indicate: **1** for positive confirmed result for *Salmonella*
 0 for negative (confirmed) result for *Salmonella*

Sample no.	RVS 24 h			MKTTn 24 h		
	XLD	Second isolation medium	Own isolation medium	XLD	Second isolation medium	Own isolation medium
B1						
B2						
B3						
B4						
B5						
B6						
B7						
B8						
B9						
B10						
B11						
B12						
B13						
B14						
B15						
B16						
B17						
B18						

Sample no.	RVS 24 h			MKTTn 24 h		
	XLD	Second isolation medium	Own isolation medium	XLD	Second isolation medium	Own isolation medium
C1						
C2						
C3						
C4						
C5						
C6						
C7						

Table 2 Confirmed results for *Salmonella* after selective enrichment on **MSRV** (B1-B18 & C1-C7)

Indicate: **1** for positive confirmed result for *Salmonella*
 0 for negative (confirmed) result for *Salmonella*

Sample no.	MSRV 24 h			MSRV 48 h		
	XLD	Second isolation medium	Own isolation medium	XLD	Second isolation medium	Own isolation medium
B1						
B2						
B3						
B4						
B5						
B6						
B7						
B8						
B9						
B10						
B11						
B12						
B13						
B14						
B15						
B16						
B17						
B18						

Sample no.	MSRV 24 h			MSRV 48 h		
	XLD	Second isolation medium	Own isolation medium	XLD	Second isolation medium	Own isolation medium
C1						
C2						
C3						
C4						
C5						
C6						
C7						

Table 3 Confirmed results for *Salmonella* after selective enrichment in/on **OWN** selective enrichment medium (if used) (B1-B18 & C1-C7)

Indicate: **1** for positive confirmed result for *Salmonella*
 0 for negative (confirmed) result for *Salmonella*

Sample no.	OWN* 24h			OWN* 48 h		
	XLD	*	*	XLD	*	*
B1						
B2						
B3						
B4						
B5						
B6						
B7						
B8						
B9						
B10						
B11						
B12						
B13						
B14						
B15						
B16						
B17						
B18						

Sample no.	OWN* 24 h			OWN* 48 h		
	XLD	*	*	XLD	*	*
C1						
C2						
C3						
C4						
C5						
C6						
C7						

* = give the name of the medium used

Table 4 Results of detection using PCR (sample numbers B1-B18 & C1-C7)

Indicate: **1** for positive (confirmed) result for *Salmonella*
0 for negative (confirmed) result for *Salmonella*

PCR			
Sample no.		sample no.	
B1		C1	
B2		C2	
B3		C3	
B4		C4	
B5		C5	
B6		C6	
B7		C7	
B8			
B9			
B10			
B11			
B12			
B13			
B14			
B15			
B16			
B17			
B18			

Comment(s) on operational details that might have influenced the test results:

Name of person (s) carrying out the Comparison study	
Is the person(s) carrying out the interlaboratory Comparison study working in the laboratory of the NRL mentioned on page 1?	<input type="checkbox"/> Yes <input type="checkbox"/> No give more information of the laboratory carrying out the study : Laboratory name Address Is this laboratory accredited for the determination of <i>Salmonella</i> . <input type="checkbox"/> Yes <input type="checkbox"/> No

Name of person in charge of the NRL. When not NRL (see page 1) mention also the name of the laboratory.	
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Deadline for sending the completed test report: **19-10-2012.**

Questions can be addressed to:

Angelina Kuijpers (EURL-*Salmonella*)

E-mail : Angelina.Kuijpers@rivm.nl

Tel. number: + 31 30 274 2093

Fax. number: + 31 30 274 4434

