

Web based Test Report of the Interlaboratory Comparison Study on detection of *Salmonella* spp. in animal feed (chicken feed), organised by the EURL-*Salmonella*, study III-2014.



TEST REPORT

EU Interlaboratory comparison study animal feed III (2014)
Detection of *Salmonella* in chicken feed
organised by EURL-*Salmonella*
2014

1. Laboratory

Laboratory code	<input type="text"/>
Name contact person	<input type="text"/>
Email address contact person	<input type="text"/>
Name of Laboratory or institute	<input type="text"/>
Country	<input type="text" value="[Select country]"/>

2. Is your laboratory accredited according to ISO 17025

- Yes
 No

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2014

1. Laboratory

Laboratory code

Name contact person

Email address contact person

Name of Laboratory or institute

Country

2. Is your laboratory accredited according to ISO 17025

- Yes
 No

3. Method

- ISO 6579 (RVS and MKTTn)
 Annex D of ISO 6579 (MSRV)
 Other

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2014

1. Laboratory

Laboratory code

Name contact person

Email address contact person

Name of Laboratory or institute

Country

2. Is your laboratory accredited according to ISO 17025

- Yes
 No

3. Planning to become accredited, for the determination of Salmonella?

- Yes
 No

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TEST REPORT

EU Interlaboratory comparison study animal feed III (2014)
Detection of *Salmonella* in chicken feed
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2014

1. Laboratory

Laboratory code

Name contact person

Email address contact person

Name of Laboratory or institute

Country

2. Is your laboratory accredited according to ISO 17025

- Yes
 No

3. Planning to become accredited, for the determination of Salmonella?

- Yes
 No

4. Planning of accreditation indicate

Planned year

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4. Date of arrival of the parcels

Date 

Time

5. Was your parcel damaged at arrival?

Yes
 No

Description of damage

6. Start time of storage at +5 °C (chicken feed)

Date 

Time

7. Starting date testing

Date 

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POSITIVE CONTROL SAMPLE

8. What kind of positive control did you use?

Capsule
 Culti loops
 Culture
 Freeze dried (ampoule)
 Lenticule disc
 Other

9. What was the concentration of the *Salmonella* control sample and what volume of BPW was used for the pre-enrichment ?

CFU/sample

ml BPW used

10. Which *Salmonella* serovar did you use in the control sample?

Enteritidis
 Typhimurium
 Goldcoast
 Nottingham
 Panama
 Poona
 Other

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PRE-ENRICHMENT - Buffered Peptone Water (BPW)

11. Medium information BPW

Name manufacturer

Code number manufacturer

pH at the day of use

measured at (°C)

12. Start incubation BPW

Date

Time

temperature incubator (°C)

13. End incubation BPW

Date

Time

Temperature incubator (°C)

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SELECTIVE ENRICHMENT - Rappaport Vassiliadis Soya broth (RVS)

14. Medium information RVS

Name manufacturer

Code number manufacturer

pH at the day of use

Measured at (°C)

15. Start incubation RVS

Date

Time

temperature incubator (°C)

16. End incubation RVS (24 h)

Date

Time

temperature incubator (°C)

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SELECTIVE ENRICHMENT - Mueller Kauffmann Tetrathionate novobiocin broth (MKTTn)

17. Medium information MKTTn

Name manufacturer	<input type="text"/>
Code number manufacturer	<input type="text"/>
Concentration novobiocin per 1L medium (mg/L)	<input type="text" value="mg/L"/>
pH at the day of use	<input type="text"/>
Measured at (°C)	<input type="text" value="°C"/>

18. Start incubation MKTTn

Date	<input type="text"/>
Time	<input type="text" value="hh:mm"/>
temperature incubator (°C)	<input type="text" value="°C"/>

19. End incubation MKTTn (24 h)

Date	<input type="text"/>
Time	<input type="text" value="hh:mm"/>
temperature incubator (°C)	<input type="text" value="°C"/>

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

20. Medium information MSRV

Name manufacturer	<input type="text"/>
Code number manufacturer	<input type="text"/>
Concentration novobiocin per 1L medium (mg/L)	<input type="text" value="mg/L"/>
pH at the day of use	<input type="text"/>
Measured at (°C)	<input type="text" value="°C"/>

21. Start incubation MSRV

Date	<input type="text"/>
Time	<input type="text" value="hh:mm"/>
temperature incubator (°C)	<input type="text" value="°C"/>

22. End incubation MSRV (24 h)

Date	<input type="text"/>
Time	<input type="text" value="hh:mm"/>
temperature incubator (°C)	<input type="text" value="°C"/>

23. End incubation MSRV (48 h)

Date	<input type="text"/>
Time	<input type="text" value="hh:mm"/>
Temperature incubator (°C)	<input type="text" value="°C"/>

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ISOLATION - Xylose Lysine Desoxycholate medium (XLD)

24. Medium information XLD

Name manufacturer
Code number manufacturer

25. Start of incubation 24 h RVS/XLD

Date
Time
Temperature incubator (°C)

26. End of incubation 24 h RVS/XLD

Date
Time
Temperature incubator (°C)

27. Start of incubation 24 h MKKTn/XLD

Date
Time
Temperature incubator (°C)

28. End of incubation 24 h MKKTn/XLD

Date
Time
Temperature incubator (°C)

29. Start of incubation 24 h MSRV/XLD

Date
Time
Temperature incubator (°C)

30. End of incubation 24 h MSRV/XLD

Date
Time
Temperature incubator (°C)

31. Start of incubation 48 h MSRV/XLD

Date
Time
Temperature incubator (°C)

32. End of incubation 48 h MSRV/XLD

Date
Time
Temperature incubator (°C)

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ISOLATION – Second Isolation medium (prescribed)

33. Medium information second isolation medium

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

34. Start of incubation 24 h RVS/second isolation medium

Date
 Time
 Temperature incubator (°C)

35. End of incubation 24 h RVS/second isolation medium

Date
 Time
 Temperature incubator (°C)

36. Start of incubation 24 h MKKTn/second isolation medium

Date
 Time
 Temperature incubator (°C)

37. End of incubation 24 h MKKTn/second isolation medium

Date
 Time
 Temperature incubator (°C)

38. Start of incubation 24 h MSRV/second isolation medium

Date
 Time
 Temperature incubator (°C)

39. End of incubation 24 h MSRV/second isolation medium

Date
 Time
 Temperature incubator (°C)

40. Start of incubation 48 h MSRV/second isolation medium

Date
 Time
 Temperature incubator (°C)

41. End of incubation 48 h MSRV/second isolation medium

Date
 Time
 Temperature incubator (°C)

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CONFIRMATION – Nutrient agar

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

Yes
 No

CONFIRMATION of Salmonella suspect colonies

43. What media/test did you use for confirmation?

Biochemical
 Serotyping
 Other

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CONFIRMATION – Nutrient agar

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

- Yes
- No

CONFIRMATION of Salmonella suspect colonies

43. What media/test did you use for confirmation?

- Biochemical
 - Serotyping
 - Other
-

44. 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
-

45. Serotyping

- O antigens
 - H antigens
 - Vi antigens
 - Other
-

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DETECTION BY PCR (optional)

46. Did you use PCR in this study

- Yes
- No

47. What kind of PCR?

- Real time PCR
- Other PCR

48. Is the PCR used commercially available?

- Yes
- No

49. Is the PCR validated ?

- Yes
- No

50. For which matrix/matrices and by which organisation?

Matrices

Validated by

Ref. number

51. Is the PCR published in the open literature ?

Reference literature

52. Do you use the PCR routinely ?

- Yes
- No

53. At what moment did you start with the extraction/detection?

- Before pre-enrichment in BPW
- After pre-enrichment in BPW
- After selective enrichment in RVS
- After selective enrichment in MKKTn
- After selective enrichment on MSRV
- Other

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Table 1 Confirmed results for Salmonella after selective enrichment in RVS (samples B1-B18 & C1-C3)

Indicate:

- 1 for positive confirmed result for Salmonella
- 0 for negative (confirmed) result for Salmonella

53. Table 1

	24 h RVS/XLD	24 h RVS/Second isolation medium
B1	[Select result] ▼	[Select result] ▼
B2	[Select result] ▼	[Select result] ▼
B3	[Select result] ▼	[Select result] ▼
B4	[Select result] ▼	[Select result] ▼
B5	[Select result] ▼	[Select result] ▼
B6	[Select result] ▼	[Select result] ▼
B7	[Select result] ▼	[Select result] ▼
B8	[Select result] ▼	[Select result] ▼
B9	[Select result] ▼	[Select result] ▼
B10	[Select result] ▼	[Select result] ▼
B11	[Select result] ▼	[Select result] ▼
B12	[Select result] ▼	[Select result] ▼
B13	[Select result] ▼	[Select result] ▼
B14	[Select result] ▼	[Select result] ▼
B15	[Select result] ▼	[Select result] ▼
B16	[Select result] ▼	[Select result] ▼
B17	[Select result] ▼	[Select result] ▼
B18	[Select result] ▼	[Select result] ▼
C1	[Select result] ▼	[Select result] ▼
C2	[Select result] ▼	[Select result] ▼
C3	[Select result] ▼	[Select result] ▼

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Table 2 Confirmed results for Salmonella after selective enrichment in MKTTn (samples B1-B18 & C1-C3)

Indicate:

- 1 for positive confirmed result for Salmonella
- 0 for negative (confirmed) result for Salmonella

54. Table 2

	24 h MKTTn/XLD	24 h MKTTn/Second isolation medium
B1	[Select result] ▼	[Select result] ▼
B2	[Select result] ▼	[Select result] ▼
B3	[Select result] ▼	[Select result] ▼
B4	[Select result] ▼	[Select result] ▼
B5	[Select result] ▼	[Select result] ▼
B6	[Select result] ▼	[Select result] ▼
B7	[Select result] ▼	[Select result] ▼
B8	[Select result] ▼	[Select result] ▼
B9	[Select result] ▼	[Select result] ▼
B10	[Select result] ▼	[Select result] ▼
B11	[Select result] ▼	[Select result] ▼
B12	[Select result] ▼	[Select result] ▼
B13	[Select result] ▼	[Select result] ▼
B14	[Select result] ▼	[Select result] ▼
B15	[Select result] ▼	[Select result] ▼
B16	[Select result] ▼	[Select result] ▼
B17	[Select result] ▼	[Select result] ▼
B18	[Select result] ▼	[Select result] ▼
C1	[Select result] ▼	[Select result] ▼
C2	[Select result] ▼	[Select result] ▼
C3	[Select result] ▼	[Select result] ▼

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Table 3 Confirmed results for Salmonella after selective enrichment on MSRV (samples B1-B18 & C1-C3)

Indicate:

- 1 for positive confirmed result for Salmonella
- 0 for negative (confirmed) result for Salmonella

55. Table 3

	24 h MSRV/XLD	24 h MSRV/Second isolation medium	48 h MSRV/XLD	48 h MSRV/Second isolation medium
B1	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B2	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B3	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B4	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B5	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B6	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B7	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B8	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B9	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B10	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B11	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B12	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B13	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B14	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B15	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B16	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B17	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
B18	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
C1	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
C2	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼
C3	[Select result] ▼	[Select result] ▼	[Select result] ▼	[Select result] ▼

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Table 4 Results of Salmonella detection using PCR (samples B1-B18 & C1-C3)

Indicate:

1 for positive PCR result for Salmonella
0 for negative PCR result for Salmonella

56. Table 4

	PCR
B1	[Select result] ▼
B2	[Select result] ▼
B3	[Select result] ▼
B4	[Select result] ▼
B5	[Select result] ▼
B6	[Select result] ▼
B7	[Select result] ▼
B8	[Select result] ▼
B9	[Select result] ▼
B10	[Select result] ▼
B11	[Select result] ▼
B12	[Select result] ▼
B13	[Select result] ▼
B14	[Select result] ▼
B15	[Select result] ▼
B16	[Select result] ▼
B17	[Select result] ▼
B18	[Select result] ▼
C1	[Select result] ▼
C2	[Select result] ▼
C3	[Select result] ▼

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57. Remarks and Comment(s)

58. Name of person (s) carrying out the Comparison study

Name

59. Name of the person in charge

Name

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