History of EURL-*Salmonella* Proficiency Tests on the detection of *Salmonella*.

*Table 1 History of EURL-*Salmonella *PTs on detection of* Salmonella *in* ***samples from the Primary Production Stage (PPS)***.

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment medium	Plating-out medium
I 1995 Voogt et al., 1996. RIVM Report 284500003	26 4	STM5 Blank	6 0	No No		RV and SC	BGA and own
II 1996 Voogt et al., 1997. RIVM Report 284500007	15 15 2 1 1	STM100 STM1000 SPan5 STM100 Blank	116 930 5 116 0	1 gram 1 gram No No No	Chicken faeces mixed with Glycerol[3]	RV, SC and own	BGA and own
III 1998 Raes et al, 1998. RIVM Report 284500011	14 14 7 14 4 2 5	STM10 STM100 STM100S E100 STM10 SPan5 Blank	11 94 94 95 11 5 0	1 gram 1 gram 1 gram* 1 gram No No No	Chicken faeces mixed with Glycerol[3]	RV and own	BGA and own
IV 1999 Raes et al, 2000. RIVM Report 284500014	5 5 5 5 5 3 3 2 2	STM10 STM100 SE100 SE500 Blank STM10 SE100 SPan5 Blank	4 210 60 220 0 5 60 5 0	10 gram 10 gram 10 gram 10 gram 10 gram No No No No	Chicken faeces mixed with Glycerol[3]	RV or RVS, MSRV and own	BGA and own
V 2000 Raes et al, 2001. RIVM Report 284500018	5 5 5 5 5 3 3 2 2 20	STM10 STM100 SE100 SE500 Blank STM10 SE100 SPan5 Blank None	4 47 63 450 0 4 63 5 0 -	10 gram 10 gram 10 gram 10 gram 10 gram No No No No 25 gram**	Chicken faeces mixed with Glycerol[3]	RV or RVS, MSRV and own	BGA and XLD

Table 1 (continued)

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	Matrix type	Selective enrichment medium	Plating-out medium
VI	5	STM10	11	10 gram	Chicken	RVS,	BGA,
2002	5	STM100	139	10 gram	faeces	MSRV,	XLD
	5	SE100	92	10 gram	mixed	MKTTn	and own
	5	SE500	389	10 gram	with	and own	
	5	Blank	0	10 gram	Glycerol[3]		
Korver et al.,	3	STM10	11	No			
2003.	3	SE100	92	No			
RIVM Report	2	SPan5	5	No			
330300001	2	Blank	0	No			
	20	None	-	25 gram**			
VII	5	STM10	12	10 gram	Chicken	RVS,	BGA,
2003	5	STM100	96	10 gram	faeces	MSRV,	XLD
	5	SE100	127	10 gram	mixed	MKTTn	and own
	5	SE500	595	10 gram	with	and own	
	5	Blank	0	10 gram	Glycerol[3]		
Korver et al.,	3	STM10	12	No			
2005.	3	SE100	127	No			
RIVM Report	2	SPan5	9	No			
330300004	2	Blank	0	No			
	20	None	-	10 gram**			
VIII	7	STM10	13	10 gram	Chicken	MSRV	XLD
2004	4	STM100	81	10 gram	faeces	and own	and own
	7	SE100	74	10 gram	mixed		
	4	SE500	434	10 gram	with		
	3	Blank	0	10 gram	Glycerol[3]		
	3	STM10	13	No			
Korver et al.,	2	SE100	74	No			
2005.	1	SE500	434	No			
RIVM Report	2	SPan5	7	No			
330300008	2	Blank	0	No			
	20	None	-	10 gram**			
IX	5	STM10	9	10 gram	Chicken	MSRV	XLD
2005	5	STM100	86	10 gram	faeces	and own	and own
	5	SE100	122	10 gram			
	5	SE500	441	10 gram			
	5	Blank	0	10 gram			
	3	STM10	9	No			
Berk et al.,	2	SE100	86	No			
2006.	1	SE500	441	No			
RIVM Report	2	SPan5	7	No			
330300011	2	Blank	0	No			
	10	None	-	10 gram***			

Table 1 (continued)

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment medium	Plating-out medium
X	5	STM10	9	10 gram	Pig	MSRV	XLD
2006	5	STM100	98	10 gram	faeces	and own	and own
	5	SE100	74	10 gram			
	5	SE500	519	10 gram			
	5	Blank	0	10 gram			
Kuijpers et al.,	3	STM10	9	No			
2007.	2	SE100	98	No			
RIVM Report	1	SE500	519	No			
330604004	2	SPan5	5	No			
	2	Blank	0	No			
XI	5	STM5	6	10 gram	Chicken	MSRV	XLD
2008	5	STM50	47	10 gram	faeces	and own	and own
	5	SE10	9	10 gram			
	5	SE100	90	10 gram			
	5	Blank	0	10 gram			
Kuijpers et al.,	3	STM5	6	No			
2008.	2	SE10	9	No			
RIVM Report	1	SE100	90	No			
330604011	2	SPan5	5	No			
	2	Blank	0	No			
XII	5	STM5	6	10 gram	Chicken	MSRV	XLD
2009	5	STM50	53	10 gram	faeces	and own	and own
	5	SE20	18	10 gram			
	5	SE100	84	10 gram			
	5	Blank	0	10 gram			
Kuijpers et al.,	3	STM5	6	No			
2009.	2	SE20	18	No			
RIVM Report	1	SE100	84	No			
330604014	2	SPan5	7	No			
	2	Blank	0	No			
XIII	5	STM5	5	10 gram	Chicken	MSRV	XLD
2010	5	STM50	56	10 gram	faeces	and own	and own
	5	SE20	13	10 gram			
	5	SE100	78	10 gram			
	5	Blank	0	10 gram			
Kuijpers et al.,	4	SE20	22	10 gram*			
2010.	2	STM5	8	No			
RIVM Report	2	SE20	13	No			
330604018	1	SE100	78	No			
	1	Blank	0	No			
XIV	5	STM6	6	25 gram	Chicken	MSRV	XLD
2011	5	STM61	61	25 gram	faeces	and own	and own
	5	SE6	6	25 gram			
Kuijpers and	5	SE57	57	25 gram			
Mooijman,	5	Blank	0	25 gram			
2011.	2	STM6	6	No			
RIVM Report	2	SE6	6	No			
330604023	1	SE57	57	No			
	2	Blank	0	No			

Table 1 (continued)

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment medium	Plating-out medium
XV 2012 Kuijpers and Mooijman, 2013. RIVM Report 330604028	5 5 5 5 5 2 2 1 2	STM10 STM58 SD6 SD37 Blank STM10 SD6 SD37 Blank	6 58 6 37 0 10 6 37 0	25 gram 25 gram 25 gram 25 gram 25 gram No No No No	Pig faeces	MSRV and own	XLD and own
XVI 2013 Kuijpers and Mooijman, 2014. RIVM Report 330604031	8 8 8 2 2 2	STM low STM high Blank STM low STM high Blank	9 81 0 9 81 0	10 gram 10 gram 10 gram No No No	Boot socks with environ-mental material (laying hen)	MSRV	XLD and own
XVII 2014 Kuijpers and Mooijman, 2015. RIVM Report 2014-0011	6 6 6	STM low STM high Blank	14 67 0	25 gram 25 gram 25 gram	Chicken faeces	MSRV	XLD and own
XVIII 2015 Pol-Hofstad and Mooijman, 2016. RIVM Report 2015-0082	6 6 6	STM low STM high Blank	84 530 0	25 gram 25 gram 25 gram	Pig faeces	MSRV	XLD and own
XIX 2016 Pol-Hofstad and Mooijman, 2017. RIVM Report 2016-0044	6 6 6	STM low STM high Blank	11 95 0	10 gram 10 gram 10 gram	Boot socks with chicken faeces	MSRV	XLD and own
XX 2017 Pol-Hofstad and Mooijman, 2018. RIVM report 2017-0083	6 6 6	SI low SI high Blank	17 55 0	25 gram 25 gram 25 gram	Chicken faeces	MSRV	XLD and own

Table 1 (continued)

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment medium	Plating-out medium
Combined Food-PPS-2017 Pol-Hofstad and Mooijman. 2018. RIVM report 2018-0021	6 6 6	STM low STM high Blank	5 107 0	n.a.	Hygiene swabs	MSRV	XLD and own
PPS-2018 Pol-Hofstad and Mooijman, 2019. RIVM report 2019-0028	6 6 6	SI low SI high Blank	10 53 0	10 gram 10 gram 10 gram	Boot socks with chicken faeces	MSRV	XLD and own
PPS-2019 Pol-Hofstad and Mooijman, 2020. RIVM report 2020-137	4 6 4	STM low STM high Negative	19 30 0	25 gram 25 gram 25 gram	Chicken faeces	MSRV	XLD and own
Combined PPS-Food-2020 Pol-Hofstad and Mooijman, 2021. RIVM report 2020-0204	4 6 4	STM low STM high Negative	7 47 0	n.a.	Hygiene swabs	MSRV	XLD and own
PPS-2021 Pol-Hofstad and Mooijman, 2022. RIVM report 2020-xxx	4 6 4	SI low SI high Negative	12 31 0	10 gram 10 gram 10 gram	Boot socks with Chicken faeces	MSRV	XLD and own

[1] Reports can be found at the EURL-*Salmonella* website: http://www.eurlsalmonella.eu/Publications

[2] In the studies organised from 1995 to 2010, the RMs existed of gelatine capsules containing artificially contaminated milk powder. In the studies organised from 2011 to 2013, the RMs existed of lenticule discs (HPA, UK). In the studies organised since 2013, no RM were used but samples were artificially contaminated at the EURL-*Salmonella* with a diluted culture.

[3] Faeces mixed (1:1) with a solution of peptone/glycerol. Final concentration glycerol in the faeces mixture was 15%(v/v).

* =With antibiotics

** =Naturally contaminated chicken faeces with *Salmonella*

*** =Naturally contaminated dust with *Salmonella*

Table 2 EURL-Salmonella *PTs on the detection of* Salmonella *in* ***food samples***.

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment Medium	Plating-out medium
I 2006 Kuijpers et al., 2007. RIVM Report 330604003	5 5 5 5 5 3 2 1 2 2	STM10 STM100 SE100 SE500 Blank STM10 SE100 SE500 SPan5 Blank	9 98 74 519 0 9 98 519 5 0	10 gram 10 gram 10 gram 10 gram 10 gram No No No No No	Minced beef	RVS, MKTTn, MSRV and own	XLD and own
II 2007 Kuijpers et al., 2008. RIVM Report 330604010	5 5 5 5 5 3 2 1 2 2	STM5 STM50 SE10 SE100 Blank STM5 SE10 SE100 SPan5 Blank	4 40 7 71 0 4 7 71 7 0	10 gram 10 gram 10 gram 10 gram 10 gram No No No No No	Minced beef	RVS, MKTTn, MSRV and own	XLD and own
III 2009 Kuijpers et al., 2010. RIVM Report 330604017	5 5 5 5 5 3 2 1 2 2	STM5 STM50 SE20 SE100 Blank STM5 SE20 SE100 SPan5 Blank	6 54 12 50 0 6 12 50 6 0	10 gram 10 gram 10 gram 10 gram 10 gram No No No No No	Minced chicken meat	RVS, MKTTn, MSRV and own	XLD and own
IV 2010 Kuijpers et al., 2011. RIVM Report 330604020	8 8 8 3 1 1	STM5 STM50 Blank STM5 STM50 Blank	6 55 0 6 55 0	25 gram 25 gram 25 gram No No No	Minced pork/beef meat	RVS, MKTTn, MSRV and own	XLD and own
V 2011 Kuijpers et al., 2012. RIVM Report 330604025	5 5 5 5 5 2 2 1 2	STM6 STM61 SE8 SE51 Blank STM6 SE8 SE51 Blank	6 61 8 51 0 6 8 51 0	25 gram 25 gram 25 gram 25 gram 25 gram No No No No	Minced pork/beef meat	RVS, MKTTn, MSRV and own	XLD and own

Table 2 (continued)

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment Medium	Plating-out medium
VI 2013 Kuijpers et al., 2014. RIVM Report 2014-0010	6 6 6	SI low SI high Blank	11 104 0	25 gram 25 gram 25 gram	Minced chicken meat	RVS, MKTTn, MSRV	XLD and own
VII 2015 Kuijpers et al., 2016. RIVM Report 2016-0042	6 6 6	SE low SE high Blank	21 101 0	25 gram 25 gram 25 gram	Whole liquid egg	MKTTn and RVS or/and MSRV	XLD and own
VIII 2016 Kuijpers et al., 2017. RIVM Report 2017-0081	6 6 6	SSt low SSt high Blank	16 73 0	25 gram 25 gram 25 gram	Minced chicken meat	MKTTn and RVS or/and MSRV	XLD and own
Combined Food-PPS-2017 Pol-Hofstad and Mooijman, 2018. RIVM report 2018-0021	6 6 6	STM low STM high Blank	5 107 0	n.a.	Hygiene swabs	MSRV	XLD and own
Combined Food-Feed 2019 Diddens and Mooijman, 2019. RIVM report 2019-0134	6 6 6	STm low STm high Negative	10 105 0	25 gram 25 gram 25 gram	Flaxseed	MKTTn and RVS or/and MSRV	XLD and own
Food 2021 Diddens and Mooijman, 2021. RIVM report 2021-0128	6 4 4	SE low SE high Negative	10 69 0	25 gram 25 gram 25 gram	Liquid whole egg	MKTTn and RVS or/and MSRV	XLD and own

[1] Reports can be found at the EURL-*Salmonella* website: http://www.eurlsalmonella.eu/Publications

[2] In the studies organised from 1995 to 2010, the RMs existed of gelatine capsules containing artificially contaminated milk powder. In the studies organised from 2011 to 2013, the RMs existed of lenticule discs (HPA, UK). In the studies organised since 2013, no RM were used but samples were artificially contaminated at the EURL with a diluted culture.

Table 3 EURL-Salmonella *PTs on the detection of* Salmonella *in* ***animal feed samples***.

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu/sample	Matrix amount |type		Selective enrichment medium	Plating-out medium
I 2008 Kuijpers et al., 2009. RIVM Report 330604012	5 5 5 5 5 3 2 1 2 2	STM5 STM50 SE20 SE100 Blank STM5 SE20 SE100 SPan5 Blank	5 43 15 48 0 5 15 48 5 0	25 gram 25 gram 25 gram 25 gram 25 gram No No No No No	Chicken feed (mixed grains)	RVS, MKTTn, MSRV and own	XLD and own
II 2012 Kuijpers et al., 2013. RIVM Report 330604029	6 6 6 2 1 2	SE8 SE50 Blank SE8 SE50 Blank	8 50 0 8 50 0	25 gram 25 gram 25 gram No No No	Chicken feed (Poultry feed, mixed meal for laying hens)	RVS, MKTTn, MSRV and own	XLD and own
III 2014 Kuijpers et al., 2015. RIVM Report 2015-0080	6 6 6	SSE low SSE high Blank	20 61 0	25 gram 25 gram 25 gram	Chicken feed	RVS, MKTTn, MSRV	XLD and own
Feed-2018 Kuijpers and Mooijman, 2019. RIVM Report 2018-0023	6 6 6	SMb low SMb high Blank	(0 - 0,7) (0,4 - 3) 0	25 gram 25 gram 25 gram	Chicken feed	RVS, MKTTn, MSRV	XLD and own
Combined Food-Feed 2019 Diddens and Mooijman, 2019. RIVM report 2019-0134	6 6 6	STm low STm high Negative	10 105 0	25 gram 25 gram 25 gram	Flaxseed	MKTTn and RVS or/and MSRV	XLD and own

[1] Reports can be found at the EURL-*Salmonella* website: http://www.eurlsalmonella.eu/Publications

[2] In the studies organised from 1995 to 2010, the RMs existed of gelatine capsules containing artificially contaminated milk powder. In the studies organised from 2011 to 2013, the RMs existed of lenticule discs (HPA, UK). In the studies organised since 2013, no RM were used but samples were artificially contaminated at the EURL with a diluted culture.

Table 4 EURL-Salmonella *PTs on the detection of* Salmonella *in* ***live bivalve molluscs samples***.

Study Year Reference[1]	Number of samples	RM[2]	Number of cfu / sample	Matrix amount	type	Selective enrichment Medium	Plating-out medium
LBM 2020 Diddens and Mooijman, 2020. RIVM report 2020-0203	3 1	STm positive Negative	13 0	25 gram 25 gram	Mussels	MKTTn and RVS or/and MSRV	XLD and own