



United States Department of Agriculture



NVSL *SALMONELLA* UPDATE

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NPIP Group D *Salmonella* Proficiency Test

	2012	2013	2014	2015	2016
Participants	73	61	80	94	98
Mean Score	92%	94%	98%	98%	97%
Score Range	100-29%	100-68%	100-80%	100-68%	100-80%
Below Passing	7	4	0	1	0

Serotyping Summary

Year	Number of Isolates Submitted	Number of Clinical Isolates	Number of Non-Clinical Isolates	Research and Other Isolates	Number of Serotypes
2010	14,164	4,700	8,473	1,801	335
2011	15,977	6,589	6,810	954	289
2012	14,750	4,794	7,742	2,578	300
2013	15,209	5,516	6,753	2,214	304
2014	15,353	4,897	6,687	3,769	289
2015	13,880	4,976	6,396	2,508	289
2016	13,295	5,258	5,727	2,310	254
Total	102,628	36,730	48,588	16,134	

Most Common Serotypes- All Sources 2016

Rank	Clinical	Non-Clinical
1	I 4,[5],12:i:-	Senftenberg
2	Typhimurium	Mbandaka
3	Dublin	Enteritidis
4	Cerro	Typhimurium
5	Javiana	Hadar
6	Derby	Worthington
7	Montevideo	Thompson
8	Heidelberg	Cerro
9	Newport	Montevideo
10	Agona	London/Newport

Most Common Serotypes – Chicken 2016

Rank	Clinical	Non-Clinical
1	Enteritidis	Senftenberg
2	Typhimurium	Mbandaka
3	Kentucky	Worthington
4	Heidelberg	Enteritidis
5	III 13,23:g,z51:-	Thompson

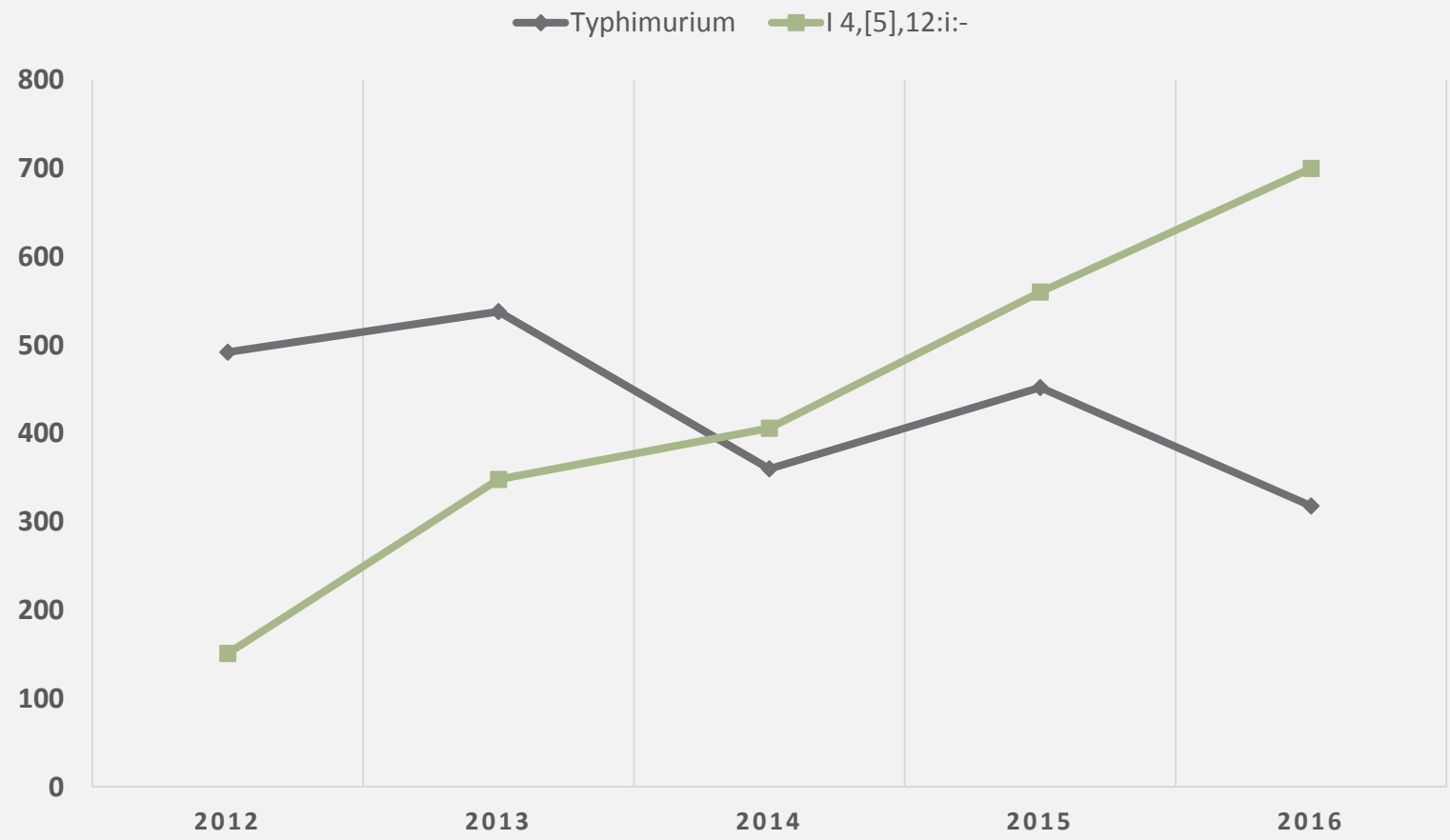
Most Common Serotypes – Turkeys 2016

Rank	Clinical	Non-Clinical
1	Senftenberg	Hadar
2	Ouakam	Senftenberg
3	Bredeney/Albany	London
4	Typhimurium	Muenchen
5	Uganda	Uganda/Albany

Most Common Serotypes – Pig 2016

Rank	Clinical	Non-Clinical
1	I 4,[5],12:i:-	I 4,[5],12:i:-
2	Typhimurium	Typhimurium
3	Derby	Derby
4	Infantis	Agona
5	Agona	Infantis

5 YEAR TREND-SWINE



Most Common Serotypes – Cattle 2016

Rank	Clinical	Non-Clinical
1	Dublin	Cerro
2	Cerro	Typhimurium
3	Typhimurium	Montevideo
4	Montevideo	Heidelberg
5	Heidelberg	Newport

Most Common Serotypes – Horse 2016

Rank	All Sources
1	Javiana
2	Typhimurium
3	Newport
4	Agona
5	Montevideo

Most Common Serotypes – Dog/Cat 2016

Rank	All Sources
1	Newport
2	Typhimurium
3	Albany
4	I 4,[5],12:i:-/Dublin
5	Heidelberg

Salmonella Serotyping

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-Tonya Mackie

-Dana Barker

-Jake Green

-Edward Palmer

-Brenda Wyckoff



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