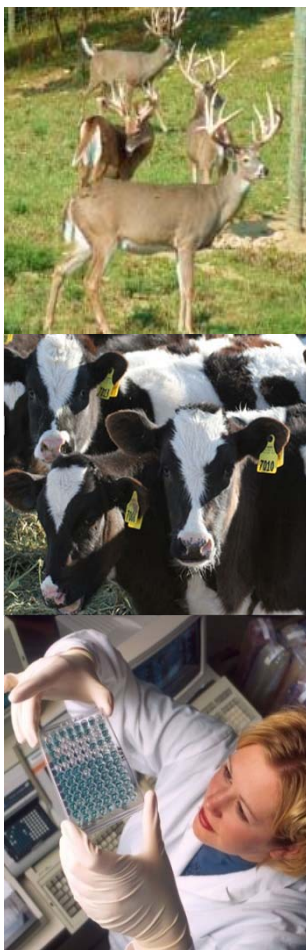




United States Department of Agriculture

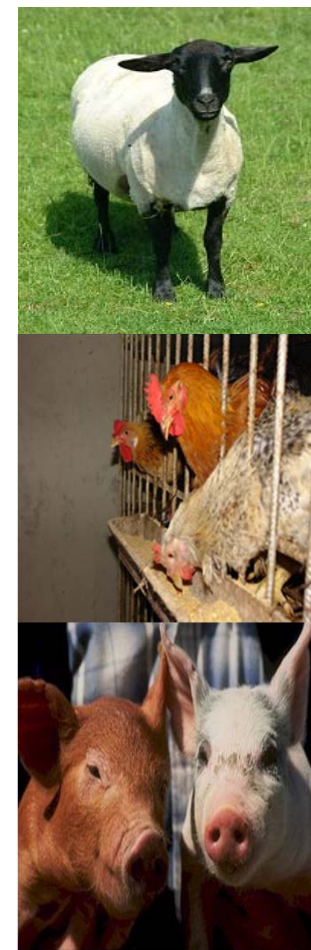
Veterinary Services



NVSL *Salmonella*, *Mycoplasma* and *Pasteurella multocida* Update

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NVSL *Salmonella* Update

- NPIP Group D and *Salmonella* serotyping proficiency tests to be sent 11/03/2015









***Salmonella* Serotyping**

- 15,353 isolates submitted in 2014
 - 4,897 clinical
 - 6,687 non-clinical
 - 3,769 research and other*
- 5,876 from chicken/turkey sources



Most Common Serotypes – Chickens 2014

Rank	Clinical	Non-Clinical
1	Enteritidis	Senftenberg 
2	Kentucky	Mbandaka
3	Infantis	Kentucky 
4	Typhimurium 	Enteritidis 
5	Senftenberg 	Typhimurium 










***Salmonella* Group D**

- Chicken submissions, clinical + non-clinical
- 377 Group D isolates
- 343 (91%) were SE
- Other 9%: Javiana, Berta, Ouakam, and Dublin



Most Common Serotypes- Turkeys 2014

Rank	Clinical	Non-Clinical
1	Senftenberg	Senftenberg
2	Heidelberg	Anatum 
3	Albany 	Hadar 
4	Ouakam 	Muenster 
5	Montevideo 	Agona 

Molecular Typing: SE assay

- SE rule out testing for FDA egg rule
 - Receipt of samples that were not typeable via classic testing
 - Rough O:g,m:-
 - 9,12:poorly-motile
 - 9,12:non-motile
- xMAP *Salmonella* assay to determine the presence of *sdf* gene
 - *sdf* specific to SE



Salmonella Pullorum

- 437 *Salmonella Pullorum* serological tests
- 2,570 mL *Salmonella Pullorum* tube antigen provided
- 158 mL *Salmonella Pullorum* stained microtiter antigen provided
- 478 mL of control antisera provided



NVSL *Pasteurella multocida* Update

- 128 isolates for somatic typing
- 67 isolates for DNA fingerprinting
- 53 vials of antisera supplied
- 9 reference isolates supplied



NVSL Avian *Mycoplasma* Update

- 423 Hemagglutination inhibition tests
- 485 mL of Hemagglutination antigen supplied
 - 85 mL MG
 - 170 mL MM
 - 230 mL MS
- 648 mL of control antiserum supplied
 - 246 mL MG
 - 34 mL MM
 - 212 mL MS
 - 156 mL Negative control



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Questions?

