Salmonella Braenderup in Shell Eggs

- 45 cases
- 11 hospitalizations
- 0 deaths
- 10 states
- One farm
- Recalled >206,000,000 eggs (April 13)
- Outbreak over (June 14)
Isolations of S. Braenderup GPLN and CDC

% S. Braenderup

GPLN
CDC

<table>
<thead>
<tr>
<th></th>
<th>2015</th>
<th>2016</th>
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<tbody>
<tr>
<td>No. cases</td>
<td>52</td>
<td>8</td>
</tr>
<tr>
<td>No. hospitalizations</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>No. deaths</td>
<td>-</td>
<td>0</td>
</tr>
<tr>
<td>No. states</td>
<td>6</td>
<td>3</td>
</tr>
<tr>
<td>Recall</td>
<td>yes</td>
<td>yes</td>
</tr>
</tbody>
</table>
"Overall, our data suggested that SO infection in layers did not result in egg contamination via vertical transmission ..."

"Although our data showed no vertical transmission of SO into the eggs, colonization of ovaries and oviducts indicates a discernable potential for such a route of egg contamination early in the infection period"
Percentage of Salmonella Serotypes
GPLN 2008 – 2017

% Positive


Enteritidis  Typhimurium  Heidelberg  O4:i:-

- Enteritidis
- Typhimurium
- Heidelberg
- O4:i:-
Top Salmonella Serotypes in Humans
CDC 2006 – 2016

- Enteritidis
- Heidelberg
- Typhimurium
- O4:i:-
Most frequently isolated Serotypes in European Union 2014 - 2016

- Enteritidis
- Typhimurium
- O4:i:-
- Infantis
- Newport
Philosophical and Retrospective

Don't stress about your eyesight failing as you get older. It's nature's way of protecting you from shock as you walk past the mirror.

We all get heavier as we get older because there's a lot more information in our heads. So I'm not fat, I'm just really intelligent and my head couldn't hold any more so it started filling up the rest of me!

That's my story and I'm sticking to it!
Percentage of Salmonella positive samples for individual companies by year
Percentage of Salmonella positive samples for individual companies by year
NPIP Approved Rapid Systems
June 4, 2018

Re: Salmonella Pullorum Plate Antigen

Dear Valued Customer,

As many of you are aware, Charles River Laboratories is the global supplier of Elanco’s (formerly Lohmann Animal Health/LAH) USDA licensed Salmonella Pullorum plate antigen, CRL material number 10100762. Elanco has discontinued the product and has been working with CRL to transfer production of this critical product. While we are diligently working toward USDA licensure, inventory levels have continued to drop and we are now backordering this product.

We continue to work toward licensure and remain hopeful to have product available to ship by the end of summer. Further updates will be available as we look to complete pre-licensed serials and make a final license submission to the USDA. Once product is available, we will do our best to manage inventory levels so everyone has enough to complete this vital testing. We apologize for the inconvenience during this transition period.

Please let me know if there are any questions or further concerns. I will be happy to provide updates as we move through the licensing process.

Kind regards,

Douglas Warner
What would happen if ...
What would happen if ...

There was an introduction of Salmonella Gallinarum (Fowl Typhoid) in the United States.
Jan 2017  Fowl typhoid worldwide