

# Salmonella Liverpool

**Background:** *Salmonella enterica* subsp. *enterica* serovar Liverpool (antigenic formula 1,3,19:d:e,n,z<sub>15</sub>) is a serovar of the O:1,3,19 (E<sub>4</sub>) serogroup. A dog food plant in Missouri tested positive for *S. Liverpool*. This serovar was also recovered from poultry processing equipment after completion of sanitization procedures.

**Animal reservoir:** Unknown

**Geographical distribution:** Serovar Liverpool has been found in the U.S., and Europe.

**Outbreaks:** No outbreaks have been associated with *S. Liverpool*.

**Border Rejections:**

Year	Location	Associated Source	Number of Cases
2023	Finland	Rape seed meal from Germany	NA

**Relevant links and references:**

1. <https://webgate.ec.europa.eu/rasff-window/screen/notification/597694>
2. <https://www.cdc.gov/salmonella/typhimurium-07-21/details.html>
3. <https://www.cidrap.umn.edu/e-coli/news-scan-salmonellosis-live-chicks-response-2011-euro-e-coli-crisis-salmonella-dog-food>
4. [https://www.convenience.org/Media/Daily/2021/Jul/30/4-FDA-Investigates-Salmonella-Outbreak\\_Foodservice](https://www.convenience.org/Media/Daily/2021/Jul/30/4-FDA-Investigates-Salmonella-Outbreak_Foodservice)
5. <https://www.sciencedirect.com/science/article/pii/S1056617121000581>
6. <https://www.sciencedirect.com/science/article/pii/S0032579120303540>