

Salmonella Gaminara

Background: *Salmonella enterica* subsp. *enterica* serovar Gaminara (antigenic formula 16:d:1,7) is a serovar of the O:16 (I) serogroup. This serovar was commonly isolated from unpasteurized fruit and vegetable juices.

Animal reservoir: *Salmonella* Gaminara was found in chicken and bearded dragons.

Geographical distribution: Serovar Gaminara has been found in Africa, Singapore, and the U.S.

Outbreaks: Outbreaks have been associated with *S. Gaminara*.

Year	Location	Associated Source	Number of Cases
1995	US: FL	Unpasteurized orange juice	62 ¹
2017	US: Multi-state	Maradol papayas	220 ²

1: *Salmonella* Hartford was also associated with the outbreak.

2: A total of 220 people infected with the outbreak strains of *Salmonella* Thompson (144), *Salmonella* Kiambu (54), *Salmonella* Agona (12), *Salmonella* Gaminara (7), or *Salmonella* Senftenberg (3) were reported from 23 states.

Relevant links and references:

1. https://journals.lww.com/infectdis/fulltext/2007/09000/salmonella_gaminara_osteomyelitis_and_septic.13.aspx
2. <https://www.cdc.gov/salmonella/kiambu-07-17/index.html>
3. https://getd.libs.uga.edu/pdfs/cornwell_claudia_m_200112_ms.pdf
4. <https://www.medrxiv.org/content/10.1101/2022.01.31.22270114v2.full>
5. <https://www.reliasmedia.com/articles/39857-more-bad-news-even-orange-juice-is-a-risk-for-i-salmonellosis-i>
6. <https://apps.who.int/iris/bitstream/handle/10665/265456/PMC2537894.pdf?sequence=1>
7. https://www.researchgate.net/publication/363935706_Salmonella_spp_in_Chicken_Prevalence_Antimicrobial_Resistance_and_Detection_Methods