

Salmonella Kiambu

Background: *Salmonella enterica* subsp. *enterica* serovar Kiambu (antigenic formula 1,4,12:z:1,5) is a serovar of the O:4 (B) serogroup. Serovar Kiambu was found to be the most common *Salmonella* serovar in chicken in Ontario, Canada.

Animal reservoir: S. Kiambu was isolated from chicken, dog, and cattle.

Geographical distribution: This serovar has been found in Germany, the U.S., Canada, Grenada, Japan, and Australia.

Outbreaks: Outbreaks have been associated with S. Kiambu.

Year	Location	Associated Source	Number of Cases
2008	US	Unknown	32
2017	US-multistate	Maradol papayas imported from Mexico	60
2023	US-multistate	Dry dog food	7

Border Rejections:

Year	Location	Associated Source	Number of Cases
2021	Germany	Black pepper from Brazil*	NA

**Salmonella* Morehead, S. Javiana, S. Braenderup, S. Saintpaul, and S. Minnesota were also found.

Relevant links and references:

1. <https://www.fda.gov/Food/RecallsOutbreaksEmergencies/Outbreaks/ucm568097.htm>
2. <https://www.cdc.gov/salmonella/kiambu-07-17/index.html>
3. <https://www.sciencedirect.com/science/article/pii/S1198743X15010307>
4. <https://journals.asm.org/doi/10.1128/aem.01923-22>
5. <https://www.sciencedirect.com/science/article/pii/S002203022101078X>
6. <https://www.canada.ca/en/public-health/services/reports-publications/canada-communicable-disease-report-ccdr/monthly-issue/2021-47/issue-5-6-may-june-2021/salmonella-enterica-canada-2006-2019.html>
7. <https://journals.asm.org/doi/10.1128/MRA.00335-20>
8. <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cda-cdi3201o.htm>
9. https://www.researchgate.net/publication/320985716_Serovars_and_antimicrobial_resistance_of_non-typhoidal_Salmonella_isolated_from_non-diarrhoeic_dogs_in_Grenada_West_Indies
10. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1151792/>
11. <https://webgate.ec.europa.eu/rasff-window/screen/notification/521346>
12. <https://europepmc.org/article/pmc/pmc3675922>
13. https://www.fsis.usda.gov/sites/default/files/media_file/2020-10/Salmonella-Serotype-Annual-2014.pdf
14. <https://www.cdc.gov/salmonella/kiambu-11-23/details.html>