Salmonella Montevideo

Background: Salmonella enterica subsp. enterica serovar Montevideo (antigenic formula 6,7,14:g,m,[p],s:[1,2,7]) is a serovar of the O:7 (C_1) serogroup. S. Montevideo is the sixth most common serovar isolated from humans and animals in the U.S. Outbreaks caused by S. Montevideo have been associated with imported spices and live poultry. Whole genome sequencing of a number of S. Montevideo strains have been conducted, including an study that identified one strain with two large plasmids that encoded antimicrobial and heavy metal resistance genes.

Animal reservoir: Cattle and chickens are common reservoirs of S. Montevideo.

Geographical distribution: S. Montevideo is globally distributed. It has been reported, among the most common serovars, in the U.S., Europe, Latin America, Asia, and Oceania

Outbreaks: Numerous outbreaks in different countries have been linked to serovar Montevideo, imported spices have been associated with several of these outbreaks.

Year	Location	Associated source	Number of cases
2018	US-multistate	Sprouts	10
2017	US-multistate	Tahini	8
2016	US-multistate, Mexico, Canada, Peru	pistachios	9
2013	US-multistate	Tahini	16
2012	US-multistate	Live poultry	93
2010	US-multistate	Red and Black Pepper/Italian-Style Meats	272
2010	Germany	Dietary food supplement	15
2002-03	Australia &New Zealand	Tahini	68
2002	Japan	Lunch prepared by caterer	23
1996	England	Cooked chicken	10

Recalls: Food recalls have been associated with S. Montevideo.

Year	Location	Recalled food	Туре
2016	US-multistate, Mexico, Canada, Peru	Wonderful Pistachios	nuts

Relevant links and references:

- 1. http://www.cdc.gov/salmonella/montevideo-tahini-05-13/
- 2. http://www.cdc.gov/salmonella/montevideo-06-12/index.html
- 3. http://www.cdc.gov/salmonella/montevideo/index.html
- 4. http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=20040
- 5. http://www.cdc.gov/salmonella/montevideo-03-16/index.html
- 6. http://www.foodsafetynews.com/2013/05/salmonella-linked-to-tahini-sickens-8-across-country/#.WVvXMPnyuUI
- 7. https://www.cdc.gov/salmonella/montevideo-01-18/index.html