

Salmonella Weltevreden

Background: *Salmonella enterica* subsp. *enterica* serovar Weltevreden (antigenic formula 3,{10}{15}:r:z6) is a serovar of the O:3,10 (E₁) serogroup.

Animal reservoir: Animal reservoirs for *S. Weltevreden* have not been definitively identified, but seafood (e.g., fish and [shrimp](#)) have been implicated.

Geographical distribution: *S. Weltevreden* has been found in [Southeast Asian meat, vegetables and seafood](#), and in the United States from [imported tuna](#) from Indonesia, as well as in the United Kingdom from [betel leaves](#) imported from Malaysia. [Alfalfa sprouts](#) have also been implicated in other European outbreaks. Gastroenteritis associated with *S. Weltevreden* has been reported in the US, Europe and India.

Outbreaks: Outbreaks linked to *S. Weltevreden* have been detected:

Year	Location	Associated source	Number of cases
2015	US-multistate	frozen tuna	1
2010	India	unknown	8 identified (~150 sick)
2007	France	unknown	2 confirmed (26 sick)
2007	Europe-multinational	alfalfa sprouts	29

Relevant links:

1. https://webgate.ec.europa.eu/rasff-window/portal/index.cfm?event=notificationDetail&NOTIF_REFERENCE=2016.1350
2. <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0134252>
3. <http://www.foodsafetynews.com/2015/08/cdc-investigation-into-outbreak-linked-to-recalled-frozen-tuna-is-over/#.WAPQuXoSPIY>
4. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4418162/>
5. <http://www.eurosurveillance.org/ViewArticle.aspx?ArticleId=18949>