

# Salmonella Schwarzengrund

**Background:** *Salmonella enterica* subsp. *enterica* serovar Schwarzengrund (antigenic formula 1,4,12,27:d:1,7) is a serovar of the O:4 (B) serogroup. *S. Schwarzengrund* is among the most common serovars in non-clinical non-human sources in the US. MDR strains (e.g., resistant to dihydrostreptomycin, kanamycin, oxytetracycline, bicozamycin, trimethoprim, and sulfadimethoxine) have been linked to [broilers in Japan](#). In addition, [fluoroquinolone](#) resistant strains have been linked to imported food from Asia. For example, MDR *S. Schwarzengrund* was found to be [transmitted from chickens](#) to people in some countries in Asia.

**Animal reservoir:** Poultry is the main reservoir of *S. Schwarzengrund*

**Geographical distribution:** *S. Schwarzengrund* is prevalent in Asia and it has been found in Europe and the US as well.

**Outbreaks:** Outbreaks associated with *S. Schwarzengrund* have been reported in the US; in addition, in Denmark cases have been linked to Thai food products.

Year	Location	Associated source	Number of cases
2018	US - multistate	<a href="#">Ground turkey</a>	7
2007	US - New Jersey	Probably exposure to poultry from live bird-market	5
2007	US - Massachusetts	Probably exposure to poultry from live bird-market	62
2007	US - multistate	Pet dry food	79
1996	US - Oregon	Person-person	11

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## Relevant links:

1. <http://www.cdc.gov/salmonella/schwarzengrund.html>
2. [http://wwwnc.cdc.gov/eid/article/20/1/13-1179\\_article.htm](http://wwwnc.cdc.gov/eid/article/20/1/13-1179_article.htm)
3. <http://jac.oxfordjournals.org/content/early/2011/10/18/jac.dkr414.full.pdf>
4. <http://www0.nih.go.jp/JJID/62/198.pdf>
5. [http://wwwnc.cdc.gov/eid/article/13/5/06-1489\\_article.htm](http://wwwnc.cdc.gov/eid/article/13/5/06-1489_article.htm)