

# Salmonella in animal and poultry production.

Great Britain, Ministry of Agriculture Fisheries and food - Salmonellosis in Animals



Description: -

- Salmonella. Salmonella in animal and poultry production.

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Notes: Produced at the Central Veterinary Laboratory, Weybridge.

This edition was published in 1992



Filesize: 18.54 MB

Tags: #Salmonella #Enteritidis

## PoultryWorld

From flock to fork, the industry continues to work together to implement food safety precautions and interventions to fight Salmonella and Campylobacter, the two most common causes of human foodborne illness linked to poultry, along with other foodborne pathogens. Process validation is required to prove the efficacy and consistency of the kill step. Infection may also persist in lymph nodes or tonsils, with no salmonellae in the feces.

## Salmonella Enteritidis

A live S Gallinarum vaccine has been shown to be effective not only against S Gallinarum fowl typhoid but also in significantly reducing the infection of laying hens challenged with S Enteritidis. Clinical disease is characterized by two major syndromes: a systemic septicemia also termed as typhoid and an enteritis. By suppressing antibiotic-sensitive components of the normal flora, antibiotics may also promote transfer of antibiotic resistance from resistant strains of E coli to Salmonella.

## Salmonellosis in Animals

The organism also frequently localizes in the gallbladder and mesenteric lymph nodes, and survivors intermittently shed the organism in the feces.

## Guidance for Industry: Testing for Salmonella Species in Human Foods and Direct

Transmission to progeny from breeders is mainly through eggshell contamination, although transmission through the egg before the shell is formed may also occur. The host species from which a serotype is characteristically isolated is not necessarily the only species that can act as a host; thus, epidemiologic factors are important in determining prevalence.

## Salmonella Control Program

Stressors that precipitate clinical disease include deprivation of feed and water, minimal levels of nutrition, long transport times, calving and antibiotic prophylaxis, and mixing and crowding in feedlots. The use of antimicrobials in healthy carriers but also in patients with localized enteritis is controversial because this approach is thought to increase the risk for the patient of becoming a chronic shedder. In certain parts of the world,

Salmonella are also an important cause of disease in poultry.

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