

# ONTARIO SPCA AND HUMANE SOCIETY

Ontario's animal charity since 1873.

<b>Disease Name:</b>	<b>Salmonellosis</b>	
<b>Agent:</b>	Salmonella sp.	
<b>Clinical Signs:</b>	<p>Animals - Asymptomatic. Can cause fever, anorexia, vomiting, and diarrhea with or without blood and mucus. In severe cases leading to septicemia and death, these cases can resemble panleukopenia or parvo. Cats that prey on birds may develop song bird fever causing severe often bloody diarrhea following ingestion of infected birds</p> <p>Humans - Abdominal cramps, nausea, vomiting, diarrhea, can cause severe and occasionally fatal disease in very young children and immune-compromised individuals.</p>	
<b>Susceptible domestic species</b>	Reptiles, dogs, cats, birds, and livestock.	
<b>Zoonotic?</b>	Yes	
<b>Diagnostic tests:</b>	Fecal culture	
<b>Test sensitivity (false negatives)</b>	High	
<b>Test specificity (false positives)</b>	High	
<b>Test Comments</b>	Intermittent shedding is possible so three negative fecal cultures at two-week intervals are required to call an animal free of salmonella.	
<b>Vaccine available?</b>	No	
<b>Vaccine efficacy</b>	N/A	
<b>Excreted in :</b>	Feces	
<b>Mode of transmission:</b>	<p>Transmission between animals by fecal-oral spread directly, in contaminated water, food or on fomites such as food dishes and grooming implements. Free roaming cats and dogs are at increased risk for exposure. Spread from infected humans to animals is possible.</p> <p>Transmission to humans by fecal-oral route from surfaces, food and water contaminated by feces, or handling of infected animals, especially reptiles. Most common source is food borne but infected animals are significant risk.</p>	
<b>Disinfection</b>	Commonly used disinfectants. Routine hygiene and sanitation. Hand washing after handling reptiles or any animal with diarrhea is mandatory.	
<b>Incubation</b>	8-72 hours in people	
<b>Post recovery shedding</b>	Can persist as long as six weeks after clinical recovery. Up to 90% of reptiles are asymptomatic, chronic carriers.	
<b>Carrier state?</b>	Yes	
<b>Treatment</b>	Can be self limiting, may require antibiotics, fluid and electrolyte replacement.	
<b>PPE required</b>	Gloves, gowns and impermeable shoe covers	