



## Pets and Raw-Protein Diets: <sup>10 Facts You</sup> Should Know

Before they were domesticated and became "man's best friend," dogs ate raw meat, bones, and other scraps they were able to scavenge. Today, despite potential health concerns cited by public health and veterinary organizations, some pet owners prefer to feed their pets a raw-protein diet.

If you're considering feeding your pet a raw-protein diet, it's important that you know all the facts and take precautions to keep your family—human and animal—safe.

Here are 10 facts to consider before going raw:



In studies, more than 20% of commercially available raw-protein diets for dogs tested positive for *Salmonella spp*.<sup>1</sup>

Studies on bacterial contamination of raw foods in grocery stores found that 4 to 39% of raw poultry contained either E. coli, *Salmonella*, or both.<sup>2</sup>

Up to 30% of dogs who are fed raw-protein diets may shed pathogenic organisms in their stool, which contaminates the environment and poses health risks to humans and other animals.  $^{3}$ 

Raw-protein diets have also tested positive for Escherichia coli and Campylobacter spp.<sup>4</sup>

Healthy pets may not show signs of illness when they have ingested these bacteria. <sup>5</sup>

Parasites have also been found in raw meat-based meals for pets, including *Sarcocystis spp.*, and *Toxoplasma gondi*.<sup>1</sup>

Pets and humans who are immunocompromised, very young, or very old are at significant risk. <sup>6</sup>

Many of the pathogens found in raw-protein diets can be transmitted to humans by contact with the food itself, the pet, the pet's feces, or environmental surfaces.<sup>7</sup>

Anyone preparing a raw-protein diet for a pet should practice proper hand washing and ensure that all utensils, bowls, and surfaces used for preparation are properly cleaned and disinfected. <sup>8</sup>

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Due to the risks noted above, the American Animal Hospital Association<sup>9</sup>, American Veterinary Medical Association<sup>10</sup>, U.S. Food and Drug Administration Center for Veterinary Medicine<sup>11</sup>, and the Centers for Disease Control and Prevention<sup>12</sup> do not recommend feeding raw protein diets to pets.

## Know the facts and take the proper precautions before feeding raw protein to your pets.

## References

<sup>1</sup> van Bree, Freek P J; Bokken, Gertie C A M; et al. "Zoonotic bacteria and parasites found in raw meat-based diets for cats and dogs." *The BMJ*. January 2018 – Volume 182-2. Retrieved from https://veterinaryrecord.bmj.com/content/182/2/50.

<sup>2</sup> Zhao, Cuiwei; Ge, Beilei; et al. "Prevalence of *Campylobacter spp., Escherichia coli*, and *Salmonella* Serovars in Retail Chicken, Turkey, Pork, and Beef from the Greater Washington, D.C., Area." *ASM Journal*. American Society for Microbiology. December 2001. Retrieved from https://aem.asm.org/ content/67/12/5431.

<sup>3</sup> Joffe, Daniel J. and Schlesinger, Daniel P. "Preliminary assessment of the risk of *Salmonella* infection in dogs fed raw chicken diets." *The Canadian Veterinary Journal*. June 2002. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/PMC339295/.

<sup>4</sup> Strohmeyer, RA; Morley, PS; et al. "Evaluation of bacterial and protozoal contamination of commercially available raw meat diets for dogs." Journal of the American Veterinary Medical Association. February 2006. Retrieved from https://www.ncbi.nlm.nih.gov/pubmed/16478425.

<sup>5</sup> Centers for Disease Control and Prevention (CDC). "Pet Food Safety." Retrieved from https://www.cdc.gov/features/pet-food-safety/index.html.

<sup>6</sup> Centers for Disease Control and Prevention (CDC). "Salmonella Infection." Retrieved from https://www.cdc.gov/healthypets/diseases/salmonella.html.

<sup>7</sup> Yoshihiko, Sato; Tetsuo, Mori; et al. "Salmonella Virchow Infection in an Infant Transmitted by Household Dogs." *Journal of Veterinary Medical Science*. November 2000. Retrieved from https://www.jstage.jst.go.jp/article/jvms/62/7/62\_7\_767/\_article.

<sup>8</sup> Weese, Scott J. and Rousseau, J. "Survival of Salmonella Copenhagen in food bowls following contamination with experimentally inoculated raw meat: Effects of time, cleaning, and disinfection." *Canadian Veterinary Journal*. September 2006. Retrieved from https://www.ncbi.nlm.nih.gov/pmc/articles/ PMC1555674/.

<sup>9</sup> American Animal Hospital Association (AAHA). "Raw protein diet." Retrieved from https://www.aaha.org/professional/resources/raw\_protein\_diet.aspx.

<sup>10</sup> American Veterinary Medical Association (AVMA). "Raw or Undercooked Animal-Source Protein in Cat and Dog Diets." Retrieved from https://www.avma. org/KB/Policies/Pages/Raw-or-Undercooked-Animal-Source-Protein-in-Cat-and-Dog-Diets.aspx.

<sup>11</sup> U.S. Food and Drug Administration (FDA). "Get the Facts! Raw Pet Food Diets Can Be Dangerous to You and Your Pet." Retrieved from https://www.fda. gov/animalveterinary/resourcesforyou/animalhealthliteracy/ucm373757.htm.

<sup>12</sup> Centers for Disease Control and Prevention (CDC). "Pet Food Safety." Retrieved from https://www.fda.gov/animalveterinary/resourcesforyou/ animalhealthliteracy/ucm373757.htm.