



Raw vs. Cooked

At JustFoodForDogs, we've known for some time that whole foods made with real ingredients can be better than commercially processed kibble in quality, digestibility and bioavailability. Recent scientific research now seems to support this assessment. Since raw diets are sometimes marketed as fresh or frozen, some of our clients ask us about the difference between us and raw, and why we prefer to lightly cook our food. JustFoodForDogs makes all their nutrition decisions based on scientific research, as well as a commitment to quality control and premium ingredients. When all of these factors are considered together, it is clear that balanced, fresh prepared, lightly cooked whole food is simply the best choice for our mission to make the best dog food possible.

Veterinary Hospital:

Client: _____ Ph#: _____

Patient: _____ Date: _____

Cooked Fresh | Packaged Frozen | Delivered to Your Door **Veterinarian Approved**

Daily Diets:

- | | |
|--|---|
| <input type="checkbox"/> Beef and Russet Potato | <input type="checkbox"/> Lamb and Brown Rice |
| <input type="checkbox"/> Turkey and Whole Wheat Macaroni | <input type="checkbox"/> Chicken and White Rice |
| <input type="checkbox"/> Fish and Sweet Potato | <input type="checkbox"/> Venison and Squash |
| <input type="checkbox"/> Fish and Chicken (Feline) | |

Veterinarian Diets:

- | | |
|---|---|
| <input type="checkbox"/> Derm Support Fish | <input type="checkbox"/> Joint and Skin Support |
| <input type="checkbox"/> Renal Support _____ Moderate _____ Low Protein | <input type="checkbox"/> Metabolic Support LF |
| <input type="checkbox"/> Critical Care/Neoplasia Support | <input type="checkbox"/> Balanced Remedy |
| <input type="checkbox"/> Hepatic Support LF | |
| <input type="checkbox"/> Custom Formulation (lab work and history attached) | |

Supplements:

- | | |
|--|--|
| <input type="checkbox"/> Calm | <input type="checkbox"/> Joint Care |
| <input type="checkbox"/> Skin & Allergy Care | <input type="checkbox"/> Joint Care Plus |
| <input type="checkbox"/> Probiotic Live | <input type="checkbox"/> Omega Plus |

Other/Instructions: _____

Veterinarian Signature: _____

Send Lab Work to: NutritionTeam@justfoodfordogs.com
 or fax 866.423.9405

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 BRO_029 20190121

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Raw vs. Cooked Fresh Whole Food



Raw Is Not Necessarily Right

Your veterinarian believes in fresh whole foods and is recommending JustFoodForDogs - the leader in fresh whole food nutrition. All of our diets are lightly cooked in our own kitchens. We do this, even though it would be much easier to sell you a raw diet, because we believe this is the safest and healthiest way to serve a fresh whole food meal to a dog.

Definition Of Raw Dog Food

Raw dog food diets usually include a combination of uncooked meat from animals, fish, or poultry commonly used for food. When commercially made, these diets are usually made using ingredients that are not USDA certified fit for humans, which means they could include rejected carcasses or medicated animals (ie. dead on farm, sick, or removed from the human food chain). You may be surprised to find out that even the most popular brands, which call themselves “premium,” engage in these practices. Some manufacturers will hide the fact that their meat is not fit for humans and say “USA meat” or “meat from a USDA facility;” none of these statements mean USDA certified meat, so beware of these claims. These ingredients usually include flesh (muscle), internal organs, blended body parts and bones. They may also include untreated milk, or uncooked eggs.

JustFoodForDogs uses only meat certified by the USDA for human consumption because it goes through rigorous tests of quality control at many levels, and result in cuts of meat commonly found on our plates; thus raw preparations, as defined above, are not practical in our kitchens.

Digestibility Research Of Raw And Cooked vs. Kibble (extruded)

Recent studies support that animals better digest whole-food diets than kibble, however the same studies have failed to show any difference in digestibility between the raw ingredients and the same ingredients when they are cooked. [1] Scientists found that raw and cooked diets both have significantly higher digestibility for proteins than kibble (extruded diets).[2] Another study on domestic cats also found significantly higher digestibility of raw diets, compared to kibble (extruded diets), and in the same study there was no significant difference in digestibility between feeding of the raw ingredients before and after it was cooked. [3]

Possible Health Risks Associated With Raw

Possible health risks that have been associated to raw diets include concerns to animals, and the public health:

Complete and Balanced. A number of studies have revealed important concerns about nutritional imbalances when raw diets are not formulated properly. A notable one in 2001 showed improper Ca/Phos ratios, and deficiencies in various important vitamins, including vitamin E. [4] JustFoodForDogs diets are complete and balanced and have undergone feeding trials.

Contamination with pathogens. Raw meat can be contaminated with a variety of pathogens that can harm both animals and humans. [5] Most meats used in commercial raw

diets may not be handled properly (ie. not USDA certified), thus they may acquire bacterial contamination from the hide, feathers, slaughter, evisceration, or processing and packing. [6] Salmonella spp and E. coli are of particular concern. For this reason, the AVMA and the FDA have come out against the use of raw ingredients for commercial pet food, and JustFoodForDogs only uses lightly cooked ingredients in their recipes.

Possible GI injury. According to some nutritionists, raw diets can contain bones that have been implicated in hazards to the pets that eat them, including tooth fractures, injury and perforation of the esophagus, stomach, small intestine, or colon. [7-10]

Current research supports that there are benefits to real ingredients over extruded diets and that there are no significant differences in digestibility between raw and cooked diets, whereas there may be some potential hazards in feeding raw for both the dogs and pet parent. Therefore, for all these reasons, to abide by FDA and AVMA guidelines, and the for the safety of our own employees and customers, all JustFoodForDogs ingredients are USDA certified, carefully prepared, de-boned, and handled to avoid unwanted contamination and lightly cooked fresh daily in small batches. All our food is tested and balanced to meet NRC recommendations and periodically analyzed and researched by our team of scientists. We do it this way because it is simply the best way to make dog food. Period.

1 Crissey SD, Swanson JA, Lintzenich BA, et al. Use of a raw meat- based diet or a dry kibble diet for sand cats (*Felis margarita*). *J Anim Sci* 1997;75:2154–2160.

2 Vester BM, Burke SL, Liu KJ, et al. Influence of feeding raw or extruded feline diets on nutrient digestibility and nitrogen metabolism of African wildcats (*Felis lybica*). *Zoo Biol* 2010;29:676–686.

3 Kerr KR, Vester Boler BM, Morris CL, et al. Apparent total tract energy and macronutrient digestibility and fecal fermentative end-product concentrations of domestic cats fed extruded, raw beef-based, and cooked beef-based diets. *J Anim Sci* 2012;90:515–522.

4 Freeman LM, Michel KE. Evaluation of raw food diets (Erratum published in *J Am Vet Med Assoc* 2001;218:1716). *J Am Vet Med Assoc* 2001;218:705–709.

5 KuKanich KS. Update on Salmonella spp contamination of pet food, treats, and nutritional products and safe feeding recommendations. *J Am Vet Med Assoc* 2011;238:1430–1434.

6 LeJeune JT, Hancock DD. Public health concerns associated with feeding raw meat diets to dogs. *J Am Vet Med Assoc* 2001;219:1222–1225.

7 Rousseau A, Prittie J, Broussard JD, et al. Incidence and characterization of esophagitis following esophageal foreign body removal in dogs: 60 cases (1999–2003). *J Vet Emerg Crit Care* 2007;17:159–163.

8 Gianella P, Pfammatter NS, Burgener IA. Oesophageal and gastric endoscopic foreign body removal: complications and follow up of 102 dogs. *J Small Anim Pract* 2009;50:649–654.

9 Frowde PE, Battersby IA, Whitley NT, et al. Oesophageal disease in 33 cats. *J Feline Med Surg* 2011;13:564–596.

10 Thompson HC, Cortes Y, Gannon K, et al. Esophageal foreign bodies in dogs: 34 cases (2004–2009). *J Vet Emerg*