

<p>Vitamins – organic cofactors <u>Fat-soluble vitamins (A, D, E, K)</u> Vitamin A (retinol) – for vision Hypervitaminosis A Vitamin D (calciferol) – for bones, calcium utilization Rickets Vitamin E (tocopherol) – for reproductive health Vitamin K - for blood clotting/coagulation</p> <p><u>Water-soluble vitamins (C, B1, B2, B3, B5, B6, B7, B9, B12)</u> Vitamin C (ascorbic acid) Scurvy Vitamin B1 (thiamin) Beriberi Vitamin B2 (riboflavin) Vitamin B3 (niacin) Pellagra Nixtamalization Vitamin B5 (pantothenic acid) Vitamin B6 (pyridoxin) Vitamin B7 (biotin) Vitamin B9 (folate) – for erythrocytes Vitamin B12 (cobalamine) for erythrocytes Anemia</p> <p>Minerals – inorganic cofactors Macrominerals Calcium, phosphorus – for bones, teeth, eggshells Sodium, chlorine, potassium – for nerves Microminerals</p>	<p>Domestic dogs <i>Canis familiaris</i> <i>Canis lupus</i> B.A.R.F. diets <i>Salmonella</i> bacteria - food poisoning AAFCO Grain-free diets Canine dilated cardiomyopathy (DCM) Amylase Overweight/obesity problems 5-point scoring system How to convert kg to lbs How to use energy requirement formula Calorie content of dry dog food Protein requirements of dogs (%) How to use protein requirement formula Coprophagy Pica Food allergies Hypersensitivity Dermatitis Gastrointestinal problems Exocrine pancreatic insufficiency (EPI) Lipase, amylase, protease Pancreatitis Urinary stones (uroliths) Struvites Heart disease Hypertension Diarrhea Anticoagulant rodenticides - inhibit Vit. K Cholecalciferol (Vit. D3) rodenticides - increase blood calcium, kidney damage</p>
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