



Nutrition

Importance of Nutrition

Support sick pets and pets recovering from surgery or illness.

Special diets help prevent or correct certain conditions, and can provide a healthy maintenance diet to prevent recurrence.

Considerations:

- Dry vs. canned
- Feeding amounts
- Caloric requirements of healthy versus sick animals
- Caloric requirements of juvenile/growing animals versus adults

Canine Nutrition

a/d

Critical Nutrition Diet



Aids in

- Supporting the immune system, offsetting oxidative stress
- Meeting the increased energy needs of sick and recovering pets

Formulation

- Extra tasty to encourage appetite
 - Smooth, soft, moist, and thixotropic (increasingly liquefied when stirred) for feeding flexibility
-

b/d

Brain Diet



Aids in

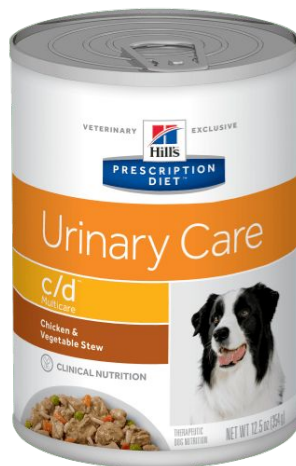
- Supporting memory and learning in older dogs
- Protects heart and kidney function

Formulation

- High levels of omega-3 fatty acids
 - Appropriate levels of protein, Phos, Na
 - Antioxidants
-

c/d

Urinary Diet



Aids in

- Dissolving struvite stones

Formulation

- Controlled Mg, Phos, Ca
- Low Na
- Added antioxidants, K-citrate, omega-3 fatty acids

d/d

Dermatologic Diet



Aids in

- Maintaining healthy skin barrier
- Skin, coat, digestion, and immune benefits

Formulation

- Limited ingredients with single intact animal protein
 - No soy protein
 - Added antioxidants, and high levels of omega-3 fatty acids
-

g/d

Geriatric Diet



Aids in

- Protecting kidney and heart function
- Supporting aging dogs

Formulation

- Controlled Phos, Na (reduces kidney stress, maintains normal BP)
- Reduced protein (decreases kidney workload)
- Calculated fat levels (reduce pancreatic workload)
- Increased omega-3 fatty acids, _____ controlled calories (support kidneys)

h/d

Heart Diet



Aids in

- Maintaining normal BP
- Minimizing fluid retention
- Replenishing nutrients lost due to diuretics
- Supporting liver and kidney function

Formulation

- High levels of L-carnitine and taurine
- Reduced Na
- Added K, Mg
- Controlled levels of protein, Phos
- Antioxidants

i/d

Digestive Diet



Aids in

- Preventing digestive upset and food sensitivities
- Restoring energy and promoting healthy immune system

Formulation

- Highly digestible for easy nutrient absorption
- Prebiotic fiber to support gut bacteria
- High in electrolytes and B-vitamins
- Omega-3 and omega-6 fatty acids
- Antioxidants

j/d

Joint Diet



Aids in

- Preserving joint cartilage
- Maintaining healthy weight to avoid excess stress on joints

Formulation

- Enriched with glucosamine and chondroitin sulfate
- Controlled calories
- Added L-carnitine
- Therapeutic levels of omega-3 fatty acids

k/d

Kidney (Renal) Diet



Aids in

- Protecting kidney function
- Enhancing appetite
- Building and maintaining lean muscle

Formulation

- Controlled Phos, low Na
 - Omega-3 fatty acids
 - Formulated to stimulate appetite
 - High levels of amino acids and L-carnitine
-

l/d

Liver (Hepatic) Diet



Aids in

- Reducing liver workload, allowing liver tissue regeneration
- Avoiding nutrient deficiencies and excesses impacting the liver
- Immune system support

Formulation

- Controlled levels of protein
- Low copper (minimizes accumulation in the liver)
- Antioxidants

r/d

Weight Reduction Diet



Aids in

- Metabolizing fat and maintaining lean muscle
- Providing feeling of satiety

Formulation

- Therapeutic levels of L-carnitine
 - Soluble and insoluble fiber blend
 - Antioxidants
-

s/d

Urinary Diet



Aids in

- Reducing risk of struvite stone formation

Formulation

- Promotes desirable urine pH
 - Low Mg, controlled Phos
 - Antioxidants
-

t/d

Dental Diet



Aids in

- Cleaning surfaces of teeth
- Fighting bacteria-laden plaque

Formulation

- Unique kibble shape and size
 - Special fiber matrix
-

u/d

Urinary Diet



Aids in

- Dissolving urate and cystine stones
- Reducing risk of urate and cystine stone recurrence

Formulation

- Controlled levels of protein
 - Low Na, Ca
 - Promotes desirable urine pH
 - Enriched with taurine, L-carnitine, antioxidants
-

w/d

Weight Control Diet



Aids in

- Metabolizing fat and maintaining lean muscle
- Maintaining healthy body weight

Formulation

- Therapeutic levels of L-carnitine
- Soluble and insoluble fiber blend
- Antioxidants
- Appropriate fat and calories
- Helps manage blood glucose

z/d

Food Sensitivities Diet



Aids in

- Normalizing stool
- Improving skin and coat
- Promoting healthy skin barrier
- Supporting a healthy immune system

Formulation

- Highly hydrolyzed animal protein
- Purified carbohydrate sources
- High levels of Vitamin E and fiber
- No gluten, soy protein, lactose
- No artificial coloring, flavoring, or preservatives
- Antioxidants and essential fatty acids

Feline Nutrition

a/d

Critical Nutrition Diet



Aids in

- Supporting the immune system, offsetting oxidative stress
- Meeting the increased energy needs of sick and recovering pets

Formulation

- Extra tasty to encourage appetite
 - Smooth, soft, moist, and thixotropic (increasingly liquefied when stirred) for feeding flexibility
-

c/d

Urinary Diet

Aids in

- Dissolving struvite stones
- Promoting desirable urine pH

Formulation

- Controlled Mg, Phos, Ca
- Added antioxidants, K-citrate, omega-3 fatty acids



d/d

Dermatologic Diet



Aids in

- Maintaining healthy skin barrier
- Skin, coat, digestion, and immune benefits

Formulation

- Limited ingredients with single intact animal protein
- No soy protein
- Added antioxidants, and high levels of omega-3 and omega-6 fatty acids

g/d

Geriatric Diet



Aids in

- Maintaining normal blood pressure
- Minimizing fluid retention

Formulation

- Low Na
 - Moderated protein levels
 - Controlled calories
 - Enriched with taurine
 - Antioxidants
-

i/d

Digestive Diet



Aids in

- Preventing digestive upset and food sensitivities
- Restoring energy and promoting healthy immune system

Formulation

- Highly digestible for easy nutrient absorption
- Prebiotic fiber to support gut bacteria
- High in electrolytes and B-vitamins
- Omega-3 and omega-6 fatty acids
- Antioxidants

k/d

Kidney (Renal) Diet



Aids in

- Protecting kidney function
- Enhancing appetite
- Building and maintaining lean muscle

Formulation

- Controlled Phos, low Na
 - Omega-3 fatty acids
 - Formulated to stimulate appetite
 - High levels of amino acids and L-carnitine
-

m/d

Glucose & Weight Management Diet



Aids in

- Reducing body fat
- Maintaining lean muscle

Formulation

- Therapeutic L-carnitine levels
 - Balanced protein and carbohydrates
 - Antioxidants
-

r/d

Weight Reduction Diet



Aids in

- Metabolizing fat and maintaining lean muscle
- Providing feeling of satiety

Formulation

- Therapeutic levels of L-carnitine
- Soluble and insoluble fiber blend
- Antioxidants

s/d

Urinary Diet



Aids in

- Reducing risk of struvite stone formation

Formulation

- Promotes desirable urine pH
- Low Mg, controlled Phos
- Antioxidants

t/d

Dental Diet



Aids in

- Cleaning surfaces of teeth
- Fighting bacteria-laden plaque

Formulation

- Unique kibble shape and size
 - Special fiber matrix
-

w/d

Weight Control Diet



Aids in

- Metabolizing fat and maintaining lean muscle
- Maintaining healthy body weight
- Supporting urinary health
- Supporting immune system

Formulation

- Therapeutic levels of L-carnitine
- Soluble and insoluble fiber blend
- Antioxidants
- Appropriate fat and calories
- Helps manage blood glucose
- Balanced minerals

y/d

Thyroid Diet



Aids in

- Decreasing thyroid hormone (T4) production
- Supporting kidney, heart, and urinary health
- Maintaining lean muscle mass

Formulation

- Limited iodine
- Controlled Phos, low Na
- Omega-3 and omega-6 fatty acids
- High levels of L-carnitine

z/d

Food Sensitivities Diet



Aids in

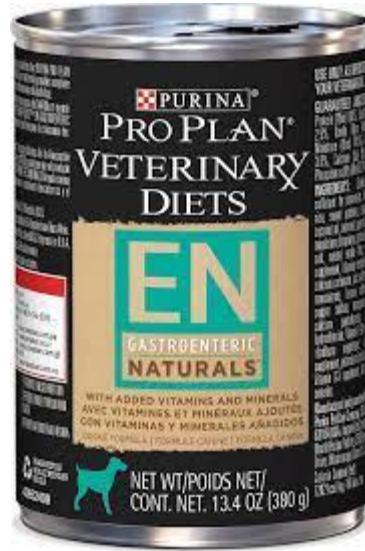
- Improving digestion and stool
- Eliminating food-related causes of skin irritation
- Promoting healthy skin barrier
- Supporting a healthy immune system

Formulation

- Highly hydrolyzed animal protein
- Purified carbohydrate source
- High levels of Vitamin E and fiber
- No soy protein or lactose
- No artificial coloring, flavoring, or preservatives
- Antioxidants and essential fatty acids

Other, Non-Hill's Diets

Bland Diets



Hypoallergenic

Hydrolyzed Protein

Limited Ingredient Diets



Urinary Diets



Renal Diets



Diabetic Diets



Weight Management Diets



Critical Nutrition



Liquid Diets and Supplements

Liquid Diets and Supplements



Tube Feeding

Type of Feeding Tubes

1. NE = nasoesophageal
2. NG = nasogastric
 - a. <https://vetgirlontherun.com/videos/how-to-place-a-nasogastric-feeding-tube-in-your-veterinary-patient-vetgirl-veterinary-continuing-education-videos/>
 - b. <https://vetgirlontherun.com/videos/veterinary-continuing-education-place-nasogastric-tube-patient-vetgirl-videos/>
3. E = esophagostomy
 - a. <https://vetgirlontherun.com/videos/how-to-place-esophagostomy-tube-cat-vetgirl-veterinary-ce-videos/>
4. G, PEG = gastric, percutaneous endoscopic gastrostomy
5. J-through-G = jejunostomy-through-gastrostomy

** What kind of diets can go through each?

Tube Feeding

Type of Feeding Tubes

1. NE = nasoesophageal
2. NG = nasogastric
3. E = esophagostomy
4. G, PEG = gastric
5. J-through-G = Jejunostomy-through-gastrostomy



Juvenile Diets and Milk Replacers

Juvenile Diets and Milk Replacers



← KMR (Kitten Milk Replacement)

Esbilac (Puppy Milk Replacement) →

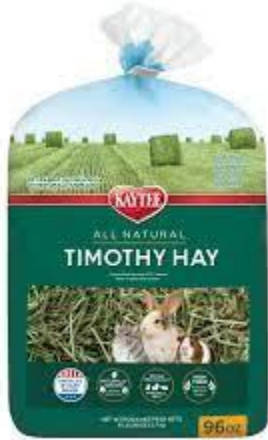


- Comes as pre-made liquid solution (can)
- Comes as dry powder you can reconstitute with water
- Cans need to be refrigerated and used within 72 hours
- Unopened powder is shelf-stable in a cool, dry place.
- Once opened, powder in the canister can be refrigerated for 3 months.
- Reconstituted powder should be refrigerated when not in use and discarded after 24 hours.



Diets for Exotics

Diets for Exotics



Lagomorphs, Rodents

- Timothy hay
- Assorted pellet diets

Avian

- Various seed diets



Diets for Exotics



← Critical Care (Herbivore)

- Comes as dried/powdered formula
- Reconstitute with water for syringe or other assisted feeding
- High fiber, low fat
- Minerals and prebiotics, as well as Vitamin C
- Refrigerate unused portion



← Critical Care (Carnivore)

- Comes as dried/powdered formula
- Reconstitute with water for syringe or other assisted feeding
- Omega fatty acids, amino acids, proteins (egg and poultry sources)
- Calorie-dense, grain-free
- Refrigerate unused portion

Thanks!