

SUPPORTING THE MICROBIOME WITH EVERY BITE

Combine your expert knowledge with ROYAL CANIN® GASTROINTESTINAL diets to support cats and dogs with digestive disorders from puppy and kittenhood to critical care.



WITH GASTROINTESTINAL PROBLEMS, EVERY MOUTHFUL COUNTS

THE NEED TO FEED THEM PRECISELY

YOU KNOW THAT IMPAIRED DIGESTIVE FUNCTION PREVENTS CATS AND DOGS FROM BENEFITING PROPERLY FROM ESSENTIAL NUTRIENTS IN THEIR FOOD.

Appropriate nutrition can support the short and longer-term disease management of patients, helping to provide them the essential nutrients they need.

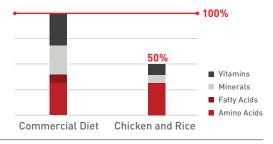
OUR GASTROINTESTINAL RANGE OFFERS **TAILORED SOLUTIONS TO MEET THE INDIVIDUAL NEEDS** OF DOGS OR CATS WITH GI TRACT DISORDERS AND **HELPS SUPPORT HEALTHY DIGESTIVE FUNCTION**.



HOW DOES A HOME-PREPARED BLAND DIET COMPARE TO A COMPLETE AND BALANCED VETERINARY DIET?

CHICKEN & RICE IS DEFICIENT IN NUMEROUS VITAMINS AND MINERALS

Essential Nutrients per AAFCO Guidelines



https://fdc.nal.usda.gov/index.html

WHY IS THIS OF PARTICULAR CONCERN IN PATIENTS WITH GASTROINTESTINAL DISEASE?

- **B-vitamins**, which are often collectively deficient in home-prepared bland diets, are critical for cell maintenance and growth, and are especially important for the health of rapidly dividing cells, like the intestinal epithelium.
- **Electrolytes**, which are also often collectively deficient in home-prepared bland diets, are critical for hydration, and deficiency of certain electrolytes, like potassium, can contribute to GI hypomotility (ileus).

KEY NUTRIENTS

The composition of each formula varies based on the patients' needs. The nutrients listed below are present in most of the Royal Canin Gastrointestinal formulas.



PREBIOTICS

- Supporting the GI microbiome is important; we have been doing so for years with prebiotic fibers.
- Fructooligosaccharide (FOS) supports a healthy GI microbiome and facilitates short chain fatty acid (SCFA) production to promote intestinal health.¹
- Mannanoligosaccharide (MOS; from hydrolyzed yeast) helps to reduce pathogenic GI microbes and helps to enhance local immunity.²



ESSENTIAL FATTY ACIDS

• The inclusion of omega-3 fatty acids from fish oil (EPA and DHA) can help reduce inflammation.



PSYLLIUM^{3,4}

- Psyllium is a natural soluble fiber derived from the husks of psyllium seeds.
- Psyllium has the ability to absorb up to 10 times its weight in water to form a viscous gel.⁵
- Psyllium plays an important role in regulating gastrointestinal transit time and stool quality.

ZEOLITE

- Zeolite (sodium aluminosilicate) is a natural mineral clay that is highly porous. Zeolite can absorb 50% of its volume in water⁶ and can absorb toxins.
- Zeolite may also help to promote beneficial bacteria.⁷

¹Pinna. Influence of dietary protein and fructooligosaccharides on fecal fermentative end-products, fecal bacterial populations and apparent total tract digestibility in dogs. 2018 BMC Vet Res 14(1):106. ²Gouveia. Action of phosphorylated mannanoligosaccharides on immune and hematological responses and fecal consistency of dogs experimentally infected with enteropathogenic Escherichia coli strains. Braz J Microbiol 44(2):499. ³Mackei. Altered Intestinal Production of Volatile Fatty Acids in Dogs Triggered by Lactulose and Psyllium Treatment. Vet Sci 9[5:026. ⁴Alves. The use of soluble fibre for the management of chronic idiopathic large-bowel diarrhoea in police working dogs. BMC Vet Res 17(1):100. ⁵Pibot P, Biourge V, Elliott D. Encyclopedia of Canine Clinical Nutrition (Paris: Aniwa SAS on behalf of Royal Canin, 2006), p 133. ⁶Grandjean, Pr Dominique. Everything You Need to Know About the Role Played by Nutrients in the Health of Dogs & Cats (Paris: Aniwa Publishing, 2006), p 89. ⁷Sabbioni *et. al.* Modulation of the Bifidobacterial Communities of the Dog Microbiota by Zeolite Front Microbiol. 2016; 7: 1491.

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FIRST AND ONLY DIETS FORMULATED SPECIFICALLY FOR THE IMMATURE GASTROINTESTINAL SYSTEM OF GROWING **CATS & DOGS**

WE KNOW THAT PUPPIES AND KITTENS HAVE IMMATURE DIGESTIVE SYSTEMS. WHICH MAKE THEM MORE PRONE TO DIGESTIVE ISSUES.

ROYAL CANIN® GASTROINTESTINAL PUPPY AND GASTROINTESTINAL KITTEN

The ONLY GI diets exclusively designed for puppies and kittens, from weaning to adulthood.





- High calories to reduce meal size
- Supports healthy development of the immune system
- Supports optimal growth
- Easy rehydration (dry only)
- Specific mousse texture (wet only)

GASTROINTESTINAL PUPPY



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea in puppies
- Convalescence
- Gastroenteritis
- Colitis
- Puppies with poor body condition scores
- Intestinal parasites
- Gestation/lactation

GASTROINTESTINAL PUPPY formulas are high energy diets specifically designed for growing puppies with gastrointestinal sensitivities.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



OPTIMAL GROWTH: High energy formula for puppies with gastrointestinal sensitivities to provide adequate calories in smaller volumes and meet nutrient needs for growth



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome

GASTROINTESTINAL



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Convalescence
- Gastroenteritis
- Colitis
- Dogs with poor body condition scores
- Intestinal parasites
- Inflammatory bowel disease/chronic enteropathy

GASTROINTESTINAL formulas are highly digestible, complete and balanced diets for maintenance. A higher fat content also improves palatability, which is important for sick patients who may not feel like eating.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



HIGH ENERGY: High energy content, 14% more than Canine Gastrointestinal Moderate Calorie dry and 13% more than Canine Gastrointestinal Moderate Calorie loaf, to reduce meal volume and decrease intestinal load



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome

SIZES / FORMATS

Wet: 5.1 oz can (ultra soft mousse in sauce) Dry: 8.8 lb and 22 lb bags SIZES / FORMATS Wet: 13.5 oz can (loaf) Dry: 8.8 lb and 22 lb bags

MODERATE CALORIE



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Gastroenteritis
- Colitis
- Inflammatory bowel disease/chronic enteropathy
- Dogs with a tendency to be or become overweight
- Intestinal parasites

GASTROINTESTINAL MODERATE CALORIE

is a lower calorie option for managing gastrointestinal disease in the patient at risk for obesity that does not require an energy dense nutritional approach.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



MODERATE CALORIE: Moderate calorie content, 12% less than Canine Gastrointestinal dry, to help maintain ideal weight



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome

GASTROINTESTINAL

HIGH FIBER



THE DIET RECOMMENDED FOR

- Fiber-responsive colitis
- Stress diarrhea
- Constipation

GASTROINTESTINAL HIGH FIBER formulas contain optimal levels of insoluble and soluble fibers to help support in the nutritional management of fiber-responsive diseases, such as constipation.

BENEFITS



HIGH FIBER: A fiber-rich diet to help regulate intestinal transit



ADEQUATE ENERGY: Adequate energy levels to maintain a healthy body weight



DIGESTIVE SUPPORT: A combination of highly digestible proteins, prebiotics and EPA+DHA helps to support digestive health

SIZES / FORMATS Wet: 13.5 oz can (loaf in sauce) Dry: 8.8 lb and 17.6 lb bags

SIZES / FORMATS Dry: 22 lb bag

LOW FAT



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Acute and chronic pancreatitis
- Gastroenteritis
- Colitis
- Lymphangiectasia
- Hyperlipidemia
- Inflammatory bowel disease/chronic enteropathy
- Protein-losing enteropathy
- Exocrine pancreatic insufficiency

GASTROINTESTINAL LOW FAT formulas are key for nutritionally managing some of the toughest GI cases in dogs. These formulas contains highly digestible proteins, prebiotics and omega-3 fatty acids to help beneficial gut bacteria thrive and help manage inflammation.

BENEFITS



LOW FAT: For the nutritional management of dogs needing a fat-restricted diet



FIBER BALANCE: Adapted fiber level to provide appropriate energy levels for weight maintenance despite fat restriction



DIGESTIVE SUPPORT: A combination of highly digestible proteins, a fiber blend and EPA+DHA helps to support digestive health



The wet diet promotes a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS

Wet: 13.5 oz can (loaf) Dry: 1.5 lb, 6.6 lb, 17.6 lb, 26.4 lb (in-clinic only) and 28.6 lb bags

GASTROINTESTINAL

LOW FAT



• Hyperlipidemia

enteropathy

Protein-losing

enteropathy

insufficiency

Inflammatory bowel

disease/chronic

• Exocrine pancreatic



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Acute and chronic pancreatitis
- Gastroenteritis
- Colitis
- Lymphangiectasia
- **GASTROINTESTINAL LOW FAT SMALL DOG**

formula is key for nutritionally managing some of the toughest GI cases in small dogs. This formula contains highly digestible proteins, prebiotics and omega-3 fatty acids to help beneficial gut bacteria thrive and help manage inflammation.

BENEFITS



LOW FAT: For the nutritional management of dogs needing a fat-restricted diet



FIBER BALANCE: Adapted fiber level to provide appropriate energy levels for weight maintenance despite fat restriction



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



This diet promotes a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS Dry: 1.5 lb, 3.3 lb and 7.7 lb bags

MULTIFUNCTION

GASTROINTESTINAL



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Inflammatory bowel disease/
- Acute and chronic pancreatitis
- Gastroenteritis
- Lymphangiectasia
- Hyperlipidemia
- chronic enteropathy
- Protein-losing enteropathy
- Exocrine pancreatic insufficiency
- Adverse food reactions with gastrointestinal signs

GASTROINTESTINAL LOW FAT + HYDROLYZED PROTEIN is a highly digestible, low fat,

complete and balanced diet for dogs with food sensitivities.

BENEFITS



LOW FAT: For the nutritional management of dogs needing a fat-restricted diet



FIBER BALANCE: Adapted fiber level to provide appropriate energy levels for weight maintenance despite fat restriction



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers including prebiotics and EPA+DHA helps to support digestive health



HYDROLYZED PROTEIN: Hydrolyzed soy protein is highly digestible and supports long-term gastrointestinal health in dogs that may experience food responsive sensitivities

HEPATIC



THE DIET RECOMMENDED FOR

- Certain liver diseases
- Hepatic encephalopathy
- Copper metabolism disorders

HEPATIC formulas are highly palatable and digestible, restricted in copper content and formulated with nutrients essential to support liver function.

BENEFITS



ADAPTED PROTEIN CONTENT: Adapted levels of high-quality proteins help support healthy liver function



LOW COPPER: Low level of copper to help minimize its accumulation in liver cells



ADAPTED ENERGY: Adapted energy content to reduce meal volume and decrease intestinal load

SIZES / FORMATS Wet: 13.7 oz can (loaf) Dry: 7.7 lb and 26.4 lb bags

SIZES / FORMATS Dry: 1.5 lb, 3.3 lb, 9.9 lb and 19.8 lb bags





THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Acute and chronic pancreatitis
- Hyperlipidemia
- Lymphangiectasia
- Delayed gastric emptying
- Tube feeding

GASTROINTESTINAL LOW FAT LIQUID is a

liquid product specifically formulated for the needs of hospitalized dogs needing fat restriction and requiring assisted enteral nutrition.

BENEFITS



LOW FAT: A low fat concentration, while providing a maintenance energy level, helps dogs that may not tolerate typical dietary fat content



ADAPTED ENERGY: High energy density that provides daily energy requirements in a reduced feeding volume



COMPLETE NUTRITION: Complete and balanced liquid diet to support nutritional restoration and convalescence of dogs requiring assisted enteral nutrition



ANTIOXIDANT COMPLEX: A precise blend of antioxidants help support a healthy immune system



EASY TUBE FEEDING: Liquid formula with adapted viscosity for easy use







GI LOW FAT HOME CARE KIT is a convenient kit to help support dogs with GI upset. Ideal for travel, post-surgery and other stressful times that upset a dog's routine.

KIT CONTENTS

One (1) 1.5 lb bag of Gastrointestinal Low Fat dry Three (3) 13.5 oz cans of Gastrointestinal Low Fat loaf with can lid

GASTROINTESTINAL KITTEN



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea in kittens
- Convalescence
- Gastroenteritis
- Colitis
- Kittens with poor body condition scores
- Intestinal parasites
- Gestation/lactation

GASTROINTESTINAL KITTEN formulas are high energy diets specifically designed for growing kittens with gastrointestinal sensitivities.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



OPTIMAL GROWTH: High energy formula for kittens with gastrointestinal sensitivities to provide adequate calories in smaller volumes and meet nutrient needs for growth



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome

SIZES / FORMATS

Wet: 5.1 oz can (ultra soft mousse in sauce) Dry: 12 oz, 4.4 lb and 7.7 lb bags

GASTROINTESTINAL



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Convalescence
- Gastroenteritis
- Colitis
- Pancreatitis
- Intestinal parasites
- Cats with poor body condition scores
- Inflammatory bowel disease/chronic enteropathy

GASTROINTESTINAL formulas are highly digestible, complete and balanced diets for maintenance. A higher fat content also improves palatability, which is important for sick patients who may not feel like eating.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



HIGH ENERGY: High energy content, 13% more than Feline Gastrointestinal Moderate Calorie dry and 60% more than Feline Gastrointestinal Moderate Calorie thin slices in gravy, to reduce meal volume and decrease intestinal load



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome



These diets promote a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS

Wet: 5.1 oz can (loaf) Dry: 4.4 and 8.8 lb bags

MODERATE CALORIE



THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Gastroenteritis
- Colitis
- Pancreatitis
- Intestinal parasites
- Inflammatory bowel disease/chronic enteropathy
- Cats with a tendency to be or become overweight

GASTROINTESTINAL MODERATE CALORIE

formulas are lower calorie options for managing gastrointestinal disease in the patient at risk for obesity that does not require an energy dense nutritional approach.

BENEFITS



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers and EPA+DHA helps to support digestive health



MODERATE CALORIE: Moderate calorie content, 11.5% less than Feline Gastrointestinal dry and 37% less than Feline Gastrointestinal loaf, to help maintain ideal weight



MICROBIOME SUPPORT: Formula with selected prebiotics to support a healthy gut and intestinal microbiome



These diets promote a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS

Wet: 3 oz can (thin slices in gravy) Dry: 7.7 lb bag

GASTROINTESTINAL

FIBER RESPONSE



THE DIET RECOMMENDED FOR

- Acute and chronic constipation
- Obstipation
- Megacolon
- Fiber-responsive gastrointestinal diseases

GASTROINTESTINAL FIBER RESPONSE

formulas contain optimal levels of insoluble and soluble fibers to help support in the nutritional management of fiber-responsive diseases.

BENEFITS



EASY TRANSIT: Specific formulation (including high levels of psyllium) to help maintain a healthy transit



ADEQUATE ENERGY: Adequate energy levels to maintain a healthy body weight



DIGESTIVE SUPPORT: A combination of highly digestible proteins, prebiotics and EPA+DHA helps to support digestive health



These diets promote a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS

Wet: 3 oz can (thin slices in gravy) Dry: 8.8 lb bag

HYDROLYZED PROTEIN

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THE DIET RECOMMENDED FOR

- Acute and chronic vomiting and/or diarrhea
- Gastroenteritis
- Colitis
- Pancreatitis
- Cats with poor
- body condition scores
- Inflammatory bowel disease/chronic enteropathy
- Intestinal parasites
- Adverse food reactions with gastrointestinal signs

GASTROINTESTINAL HYDROLYZED PROTEIN

is a highly digestible, complete and balanced diet for cats with food sensitivities.

BENEFITS



HYDROLYZED PROTEIN: Hydrolyzed soy protein is highly digestible and supports long-term gastrointestinal health in cats that may experience food responsive sensitivities



HIGH ENERGY: High energy content, 12.6% more than Feline Gastrointestinal Moderate Calorie dry, to reduce meal volume and decrease intestinal load



DIGESTIVE SUPPORT: A combination of highly digestible proteins, balanced fibers including prebiotics and EPA+DHA helps to support digestive health



This diet promotes a urinary environment unfavorable to the development of both struvite and calcium oxalate crystals

SIZES / FORMATS Dry: 12 oz, 6.6 lb and 17.6 lb bags

RECOVERY



THE DIET RECOMMENDED FOR

- Growth
- Malnutrition
- Cachexia
- Convalescence
- Tube feeding for larger-sized tubes

RECOVERY is a highly digestible, palatable, complete and balanced diet formulated for nutritional support for cats and dogs recovering from an illness, surgery or trauma.

BENEFITS



HIGH ENERGY: High energy density that provides daily energy requirements in a reduced feeding volume



EASY TUBE FEEDING: Specific texture that facilitates feeding through feeding tubes



HIGH PROTEIN: High protein level to help maintain muscle mass during hospitalization and convalescence

SIZES / FORMATS Wet: 5.1 oz can (ultra soft mousse in sauce)





THE DIET RECOMMENDED FOR

- Malnutrition
- Convalescence
- Tube feeding
- Post-surgery and intensive care
- Refeeding for cats and dogs with anorexia or hyporexia

RECOVERY LIQUID is a liquid product specifically formulated for the needs of hospitalized or convalescing patients requiring assisted enteral nutrition.

BENEFITS



HIGH PROTEIN: High protein level to help maintain muscle mass during hospitalization and convalescence



ADAPTED ENERGY: High energy density that provides daily energy requirements in a reduced feeding volume



ANTIOXIDANT COMPLEX: Synergistic antioxidant blend of vitamin C, vitamin E, lutein and taurine to help manage oxidative stress



EASY TUBE FEEDING: Liquid formula with adapted viscosity for easy use



GASTROINTESTINAL TREATS:

GASTROINTESTINAL TREATS are a safe and effective treat option with specific nutrients to support digestive health.

CANINE FEATURES

- Low fat
- Highly digestible
- Only 4.5 kcal per treat

MOST APPROPRIATE FOR DOGS FED

- GASTROINTESTINAL HIGH FIBER
- GASTROINTESTINAL
- GASTROINTESTINAL MODERATE CALORIE
- GASTROINTESTINAL LOW FAT
- GASTROINTESTINAL LOW FAT SMALL DOG
- GASTROINTESTINAL PUPPY

FELINE FEATURES

- Highly digestible
- S/0 INDEX
- Only 1.0 kcal per treat

MOST APPROPRIATE FOR CATS FED

- GASTROINTESTINAL FIBER RESPONSE
- GASTROINTESTINAL
- GASTROINTESTINAL MODERATE CALORIE
- GASTROINTESTINAL KITTEN

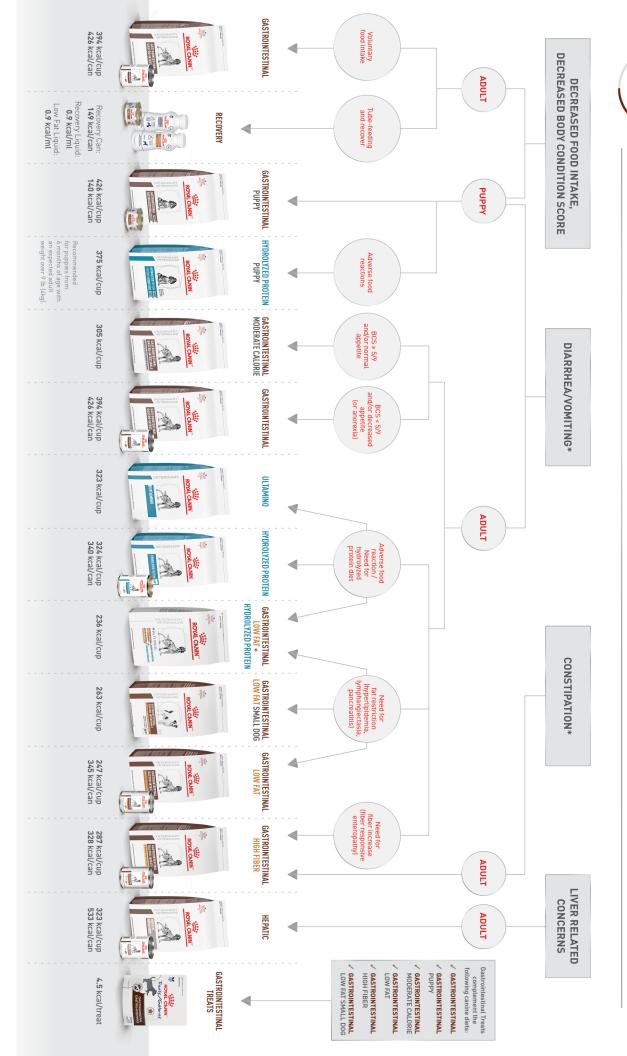
SIZES / FORMATS Liquid: 4-pack of 8 fl oz bottles

Treats should not make up more than 10% of total daily calories.

FOR CANINE GASTROINTESTINAL CASES

GASTROINTESTINAL



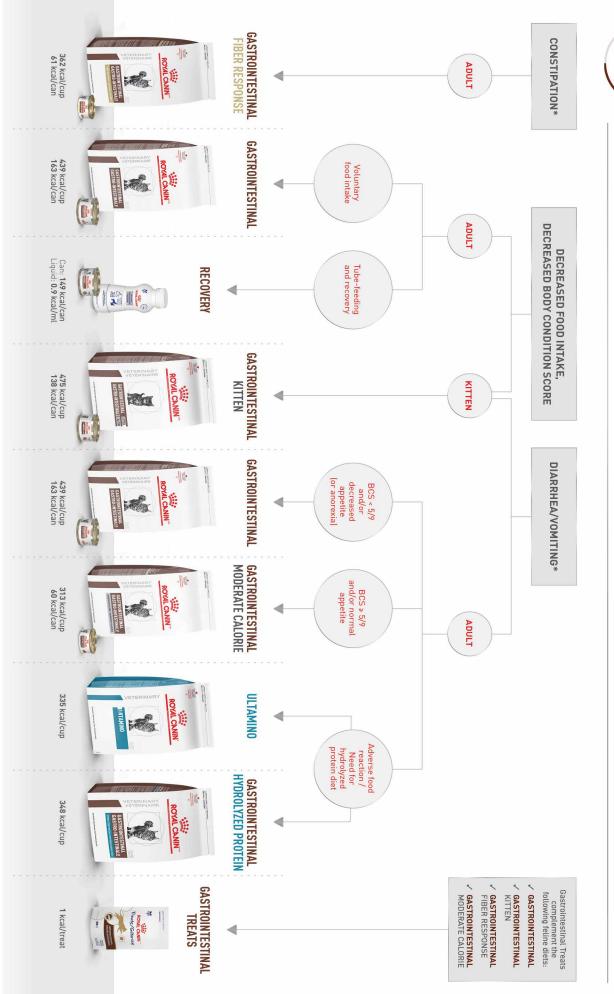


*These clinical signs can be related to extra GI tract causes, which may have a more appropriate ROYAL CANIN® diet (e.g.: For chronic kidney disease, a ROYAL CANIN® Renal Support diet may be recommended). **This decision tree provides basic guidelines, however, veterinarians should exercise their own medical judgment when it comes to their patients. Please contact the ROYAL CANIN® Nutrition Advisors if you have questic Royal Canin USA, Inc., 500 Fountain Lakes Blvd., Suite 100, St. Charles, MO 63301 - 1-800-592-6687 - www.royalcanin.com regarding formula selection

NUTRITIONAL MANAGEMENT FOR FELINE GASTROINTESTINAL CASES

GASTROINTESTINAL





*These clinical signs can be related to extra GI tract causes, which may have a more appropriate appropriate (ag: For chronic kidney disease, a ROYAL CANN[®] Renal Support diet may be recommended).
**This decision tree provides basic guidelines however, veterinarians should exercise their own medical judgment when it comes to their patients. Please contact the ROYAL CANN[®] Runtlion Advisors if you have questions regarding formula selection
**This decision tree, 500 Fountain Lakes Blvd., Suite 100, St. Charles, MO 63301 - 1-800-592-6687 - www.rogatcanin.com

ONE GOAL

Over the past 50 years researchers from ROYAL CANIN® together with specialists and veterinary practitioners from all over the world have been working hard toward a common goal: **improve gastrointestinal health of pets through nutrition.**



Designed for the nutritional management of gastrointestinal and liver diseases, and for the support of restoration during critical care and convalescence in cats & dogs.



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