

delicious nutritional support for pets with kidney disease

Hill's Prescription Diet k/d	
Intentionally designed with exceptional taste and with Enhanced Appetite Trigger technology (E.A.T.)*, which is clinically proven to stimulate appetite and encourage food intake in pets with CKD	✓
Controlled phosphorus to help slow the progression of kidney disease	✓
With ActivBiome+ Kidney Defense, a blend of betaine and prebiotic fibres, that nourishes the gut microbiome to reduce uremic toxins within the intestinal tract due to impaired kidney function ^{3,4}	✓
More than 180% (cat)* and 110% (dog)* of FEDIAF recommended minimum levels for each essential amino acid	✓
With S+OX Shield to promote a urinary environment that reduces the risk of developing struvite and calcium oxalate crystals	✓
Controlled amounts of highly digestible protein shown to help decrease production of gut-derived uremic toxins ⁵	✓

Available in a variety of delicious flavours and textures.



Visit hillsvet.co.uk for helpful tools, information and practical tips on nutritional conversations with pet parents.



¹Luich JP, et al. Feline renal failure: questions, answers, questions. Compend Contin Educ Pract Vet. 1992;14(2):127-153. ²Brown SA. Renal dysfunction in small animals. The Merck Veterinary Manual website. 2013 [https://www.merckvetmanual.com/urinary-system/noninfectious-diseases-of-the-urinary-system-in-small-animals/renal-dysfunction-in-small-animals]. ³Ephraim E and Jewell DE. Effect of added dietary betaine and soluble fiber on metabolites and fecal microbiome in dogs with early renal disease. Metabolites 2020;10:0370. [https://doi.org/10.3390/metabol0100370]. ⁴Hall JA, et al. Feeding cats with chronic kidney disease food supplemented with betaine and prebiotics increases total body mass and reduces uremic toxins. PLoS ONE. 2022;17(5):e0268624. [https://doi.org/10.1371/journal.pone.0268624]. ⁵Chen CN, et al. Vet J 2018;232:33-39. Markovich JE, et al. J Fel Med Surg 2015;17:79-83. Ephraim E, Jewell DE. High protein consumption with controlled phosphorus level increases plasma concentrations of uremic toxins in cats with early chronic kidney disease. J Food Sci Nutr 2021;7:1-8. *Dry foods only.



keeping their strength up



First-of-its-kind nutrition that links gut health to kidney health.

Now with our ActivBiome+ Kidney Defense prebiotic blend.



**SCIENCE
DID THAT.**

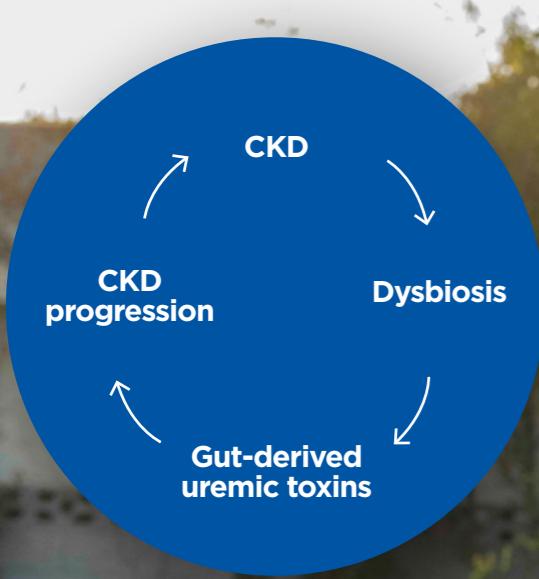


1 in 3 cats¹



1 in 10 dogs²

WILL BE DIAGNOSED WITH CKD



CKD is associated with an altered intestinal microbiome (dysbiosis) resulting in the production of gut-derived uremic toxins. These toxins can harm the kidneys and contribute to CKD progression. Additionally, they can contribute to clinical findings such as muscle loss and anemia.

That's why Hill's Prescription Diet k/d nutrition — shown to slow CKD progression — now includes ActivBiome+ Kidney Defense that nourishes the gut microbiome to reduce harmful waste products within the intestinal tract due to impaired kidney function.



With betaine and our proprietary blend of prebiotics shown to nourish the gut microbiome to help support kidney function.

BETAINE

A nutrient that functions as an osmolyte to support cell hydration and has antioxidant & anti-inflammatory properties

OAT BETA GLUCAN

Soluble, complex fibre that modulates the microbiome (colon) and helps reduce uremic toxins produced by gut bacteria

FOS

(fructo-oligosaccharides)
Soluble, simple fibres that modulate the microbiome (small intestine) and help reduce uremic toxins produced by gut bacteria

new evidence^{3,4} supports a link between gut microbiome health and chronic kidney disease (CKD), even in early stages

And it's more important than ever to consider the role nutrition plays in your CKD patients' lives.

acting early is critical

- 1 Encourage CKD screenings in your regular check-ups
- 2 40-60% of pets with kidney disease are NOT eating a renal food.^{5,6} Switch them to an appropriate k/d product from CKD Stage 1 to help slow progression



help patients stand strong



**Clinically proven nutrition to improve and lengthen quality of life
Now with ActivBiome+ Kidney Defense**

Pets with CKD can have unique nutrient needs and finicky appetites, which often affects their muscle mass and weight. But with appropriate nutrition, you can help protect your patient's kidney function, strengthen their gut microbiome, and build their muscle for the fight ahead.



Helps protect vital kidney function

With controlled phosphorus & low sodium, enriched with omega-3s from fish oil



Helps manage the changes in the gut microbiome caused by impaired kidney function

By nourishing the gut microbiome to support kidney health



Supports natural ability to build and maintain muscle mass

With optimised levels of essential amino acids and high quality protein to help keep pets strong



With **Enhanced Appetite Trigger** technology*, clinically proven to stimulate appetite and encourage food intake.

see the science

