

**Protexin<sup>®</sup>**  
VETERINARY

Smarter pet care, powered by biotics.

# Pro-Kolin<sup>+</sup> for Dogs & Cats

A paste to support gut health, soothe the gut lining, & firm up faeces.



# Protexin<sup>®</sup> Biotics

Our Protexin Biotics have been expertly developed to support a healthy microbiome. The microbiome is essential for the normal functioning of the gastrointestinal tract and for the gut's interaction with the rest of the body. Our Protexin Biotics help support the natural balance in the animal's gut and keeps them at their best.

## Probiotics

**Probiotics are live microorganisms shown to support the microbiome.**

Pro-Kolin<sup>+</sup> contains the probiotic *Enterococcus faecium* (PXN-33).<sup>1,2</sup>

The *Enterococcus faecium* in Pro-Kolin<sup>+</sup> has been shown to survive exposure to a low pH, intended to mimic the acidic stomach environment.<sup>3-6</sup>



## Prebiotics

**Prebiotics selectively feed beneficial bacteria, supporting a diverse and healthy microbiome.**

Prebiotics resist being broken down by the host; instead they reach the distal intestine where they are fermented by beneficial bacteria to produce short-chain fatty acids which have been shown to provide many health benefits in humans.<sup>7-9</sup>

Pro-Kolin<sup>+</sup> contains a selection of prebiotics:

## Preplex<sup>®</sup>

Preplex prebiotic is a combination of oligofructose (also known as fructo-oligosaccharide, FOS) and acacia (gum arabic). Oligofructose is a short-chain molecule.

Generally, short-chain molecules are fermented fairly rapidly, whereas longer-chain structures, like acacia, would be expected to undergo slower fermentation.<sup>7</sup> This combination allows Pro-Kolin<sup>+</sup> to support the growth of beneficial bacteria throughout the colon.<sup>10-12</sup>

## Pectin

Pectin is a soluble fibre that is fermented in the colon.<sup>13-16</sup> As well as being a prebiotic,<sup>17-19</sup> pectin is known to have a soothing effect on the gut lining.

# Flavouring

Pro-Kolin<sup>+</sup> contains a specially selected beef flavouring for dogs and cats to help with palatability. The flavour is artificial and contains no meat proteins.

## Instructions for use

 Easy-to-use syringe

 Trusted formulation

Paste to be dispensed directly into the animal's feed for as long as considered necessary or as advised by your veterinary surgeon. Pro-Kolin<sup>+</sup> can be given up to three times daily if appropriate.

Simultaneous use alongside oral macrolides should be avoided.

Weight	Volume	Frequency
<b>Pro-Kolin<sup>+</sup> 15ml &amp; 30ml</b>		
<5kg	2ml	Twice daily
5-15kg	3ml	Twice daily
15-30kg	5ml	Twice daily
>30kg	7ml	Twice daily
<b>Pro-Kolin<sup>+</sup> 60ml</b>		
25-35kg	6ml	Twice daily
35-45kg	8ml	Twice daily
>45kg	10ml	Twice daily

## Key ingredients

### Binder

Kaolin is a naturally-derived clay that acts as a binding agent shown to improve stool consistency. Kaolin is the only clay mineral that doesn't undergo partial degradation in the acidic medium of the stomach.<sup>20</sup>

Pro-Kolin<sup>+</sup> is formulated to provide an optimal level of kaolin.

### Pectin

Pectin is a soluble fibre that is rapidly fermented in the colon. As well as being an effective prebiotic, pectin is also known to have a soothing effect on the gut lining.





For information on our full range of products for dogs, cats, and rabbits, please visit our website.

For references please visit [protexinvet.com/anz-pro-kolin-refs](http://protexinvet.com/anz-pro-kolin-refs) or scan



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