



user guide

TCfeline Special Formula

a versatile premix for making homemade cat food for adult cats

Ingredients: New Zealand grass-fed whey protein isolate, calcium carbonate, taurine, Canadian freeze-dried krill, **Feline Future B Complex** (Choline L-Bitartrate, Niacin, D-Calcium Pantothenate, Methylcobalamin, Thiamine Mononitrate, Pyridoxine HCl, Riboflavin, Folic Acid, D-Biotin), Vitamin E succinate, Vitamin D3, Vitamin A palmitate (Retinol)

TCfeline Special Formula was formulated without the inclusion of freeze-dried bone or gelatin. Bone is added to diets as a source of calcium, but bone adds a lot of phosphorus to the diet as well. TCfeline Special Formula relies on elemental calcium instead, to create a complete and balanced diet. Gelatin in the diet intends to mimic the skin and connective tissue of prey and serves as a kind of pre-biotic, but it, too, delivers a large amount of phosphorus.

An affordable solution

Incidentally, human grade freeze-dried bone, from sources free of BSE, and human grade gelatin are some of the most expensive ingredients. They are building blocks of a diet that attempts to replicate whole prey. If you are ok with making a compromise by diverging a bit from the whole-prey-diet idea, TCfeline can be a great solution to a more affordable raw diet. It is very well liked by cats, and many prefer it. Another feature of TCfeline Special Formula is addition of supplemental B vitamins and Vitamin A and D, which creates more versatility. Read on for more.



TCfeline
SPECIAL
FORMULA

Low in phosphorus for kidney disease:

Without freeze-dried bone and gelatin, TCfeline Special Formula is a premix lower in phosphorus and calcium. A low phosphorus diet is extremely beneficial for the management of cats with kidney disease - whether at the onset when symptoms are not even noticeable or in very advanced cases. Supplemental B vitamins are also very important for cats with kidney disease.

TCfeline Special Formula can also be modified with the addition of butter and cooked yam to create a diet reduced in protein for cats with advanced renal disease to lessen uremic episodes. Dietary protein create metabolic by-product which dysfunctional kidneys can no longer clear from the blood, resulting in levels of serum urea nitrogen (BUN) that are too high and causing a uremic episode or uremic crisis, which creates most of the symptoms associated with renal disease. Chronic kidney disease cannot be cured, but symptoms can be managed with diet, veterinary guidance, fluids, and medication. Kidney disease cannot be prevented by feeding a low protein diet, and healthy adult cats and cats in early to mid stage renal disease should not have the protein in their diet reduced.

... for Urolithiasis:

A diet that is balanced, but reduced in overall mineral content by omission of high mineral foods like bone and gelatin can be helpful in the management of urinary tract disease caused by either Calcium Oxalate or Struvite. Although the nutritional treatment of the two differs in some aspects, feeding a high protein, high moisture diet as frequent, small meals is foremost advise for both. Reduction of an excess of dietary calcium will help reduce calcium levels in the urine of cats with Calcium Oxalate stones, and prevent excessive urine pH buffering for cats with Struvite crystals.

... for constipation

Due to their physiology and adaptation to living in dry climates, cats naturally produce dry and firm feces, and can suffer from constipation on a variety of different domestic diet, but it is well documented that a diet high in bone content is particularly troublesome for some cats in this regard.

Fortified with Vitamin A, D, and B Complex. Addition of raw liver not necessary.

TCfeline Special Formula is fortified with Vitamin A, D, and B Complex and does not require addition of liver. Fresh liver is packed full of essential nutrients and is something the cat would naturally consume with prey every day. Ideally, it should be incorporated fresh into the diet. However, in nearly three decades of advising people on how to feed homemade cat food, oddly enough, fresh liver is an ever-present obstacle for many. Some cats will not eat it raw, some cats will not eat it in any form, and many people have a strong aversion to handling it or real difficulties in sourcing it. Effort should be made to include raw liver in the cat's diet, but if all fails, TCfeline Special Formula makes it possible to create a diet without liver.

Use with cooked meat

Because TCfeline Special Formula is fortified with B vitamins, it is uniquely suitable to use with cooked meats, as long as the premix is added after the meat has been cooked and cooled. Many nutrients are lost during cooking, but TCfeline Special Formula puts the essential ones, like the B vitamins, taurine, magnesium and omega 3 fatty acids back into the food. The resulting diet can not be as nutrient dense and beneficial as feeding meat raw, but is a close second best.

Use with meat that are ground with bone

Because bone and gelatin is left out of this premix, TCfeline Special Formula is uniquely suitable for them to put them back in with meat ground with raw bone, like whole ground chicken. This is a popular and economic way of feeding cats, because you get more value out of the meat. Please note, that when using meat ground with raw bone, the resulting diet is no longer suitable for cats with kidney disease, because it will once again be high in Phosphorus and overall mineral. Also, food with bone is not suitable for cats with ongoing issues with constipation.

Nutritional information TCfeline Special Formula per 20g premix (values are for the premix powder only and not for the finished food)

Weight	20 g	Fortified with:	
Moisture	6.5%	Vitamin A	13,845 IU
Protein	8.7 g	Vitamin D	300 IU
Fat	59 mg	Vitamin E	186 IU
Carb	47 mg	Thiamine (B1)	5 mg
Fiber	128 mg	Riboflavin (B2)	3.6 mg
		Niacinamide (B3)	36 mg
Calcium	2,101 mg	Vitamin B5	7 mg
Phosphorus	56 mg	Vitamin B6	2.2 mg
Magnesium	355 mg	Biotin (B7)	68 mcg
Potassium	49 mg	Folic Acid (B9)	684 mcg
Sodium	108 mg	Vitamin B12	60 mcg
		Choline	333 mg
Taurine	1,578 mg		

Not for kittens!

TCfeline Special Formula is a versatile premix to feed adult cats. It is, however, not suitable for kittens or adolescent cats or pregnant or lactating cats, because:

- they should not consume a diet reduced in phosphorus and reduced in overall mineral content, because they have a higher overall demand for minerals while growing bodies or making milk. They should also receive a complex source of natural calcium and minerals like those from whole bone.
- they should be given a diet made with raw chicken ground with bone with the greatest of caution, because feeding raw chicken carries a very real risk of infection with Salmonella. Salmonellosis is a serious illness in cats and can be fatal, especially in kittens and cats stressed by pregnancy or lactation. Also, very small kittens may suffer severe constipation or even obstipation from eating meat ground with raw bone.
- they should eat a diet that contains raw liver to assure optimal intake of some of the most essential nutrients. During kittenhood, gestation, and lactation some inconveniences, like sourcing and handling raw liver, have to be overcome. Most kittens will devour raw liver with great enthusiasm, and early introduction will assure a live-long love for liver, and most pregnant or lactating cats will have an instinctive craving for raw liver.
- they should eat a diet made with raw meat, particularly lean red meat which does not carry a risk of infection with Salmonella. Fresh, raw meat is more nutritious with all proteins and fatty acids unaltered. It also supplies good bacteria, especially from grass-fed red meat, which are the cat's probiotics and essential for the establishment and maintenance of a health gut flora which can prevent a host of chronic conditions in the future.
- they should not eat a diet reduced in protein. Like with the aforementioned greater need for calcium and other minerals, kittens need all the protein they can get to support growth and supply energy. Pregnant and lactating cats need all the protein they can get to support the growth of the foetuses and to make an ample supply of milk for when the kittens are born.

Preparation instructions and options for using TCfeline Special Formula. Create the custom diet that best fits your adult cat.

Whenever possible, use a scale to measure ingredients by weight. A digital scale with a range of 1 - 2000g is ideal. Please note that when resorting to using volume measurement, the amounts can only be approximates.

Recipe #1

Suitable for any healthy adult cats, cats in early to mid stage renal disease, cats recovered from calcium oxalate stones or struvite crystals, cats with constipation issues, or when wanting to use cooked meat.

- 20 g (3 level tablespoons) TCfeline Special Formula
- 250 ml (1 cup) water
- 900 g lean ground raw meat (no bone and organs). Cooked meat can used.

Yields 9 portions of approximately 130g each.

Recipe #2 using meat ground with raw bone

Suitable for any healthy adult cats for a diet that stretches the budget and is based on the "whole prey" model

- 20 g (3 level tablespoons) TCfeline Special Formula
- 250 ml (1 cup) water
- 100 g raw liver
- 1200 g ground, raw, whole fryer chicken with bone.

Yields 11 portions of approximately 130g each.

Recipe #3 with butter and cooked yam

Reduced in protein by 36% and suitable for cats in end stage renal disease.

- 20g TCfeline Special Formula (measure by weight for accuracy)
- 250 ml (1 cup) distilled water
- 200g canned salmon without salt (for Omega 3 fatty acids, flavour, and other beneficial nutrients)
- 700g lean ground meat (no bone and organs). Cooked meat can also be used.
- 400g (2 cups) steam-cooked and pureed yam (source of energy and potassium).
- 220g (1 cup) UNSALTED butter (melt into hot yam)

Yields 14 portions of approximately 130g each. Each 130 g portion contains an estimated amount of 12.8 g of protein from lean meat on a wet weight basis or an estimated 39% protein on a dry matter basis.

Store the pouch of premix in a dry, cool place. Hand-made in Canada from domestic and imported ingredients by



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