

YOUR LOYAL FRIEND

Nutritional Technical Guide for Dogs

**I DON'T KNOW
THE RECIPE FOR
HAPPINESS, BUT
I'M SURE IT
INCLUDES A DOG**



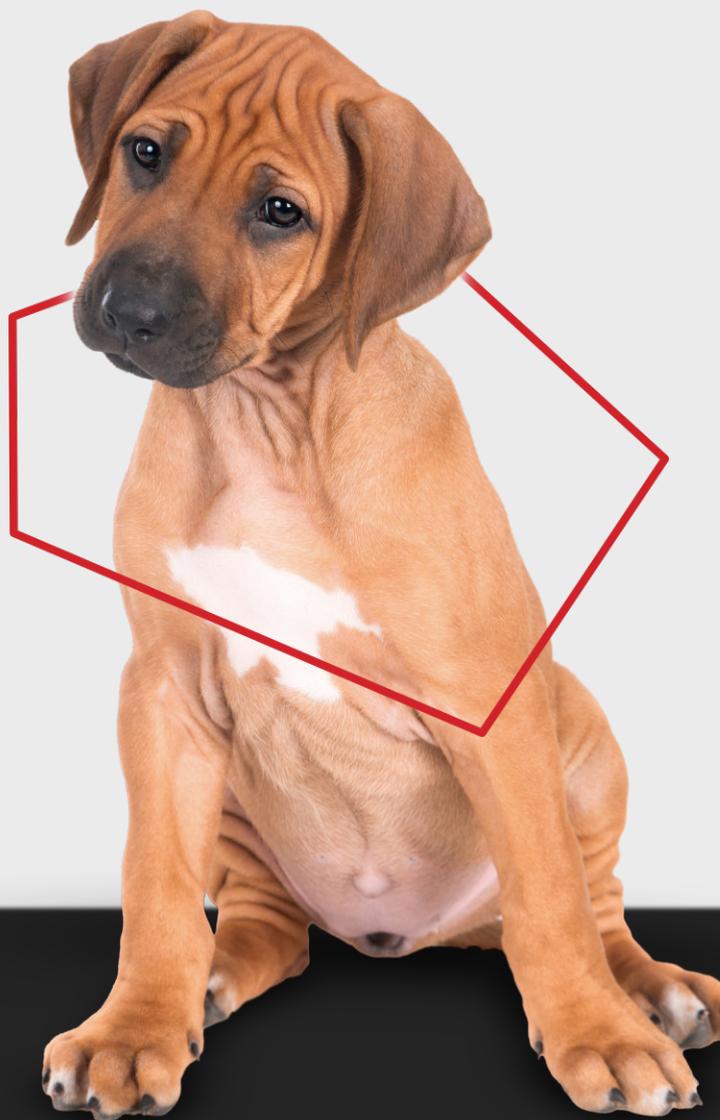


THE DOG IS THE ONLY ANIMAL THAT CAN LOVE YOU MORE THAN ITSELF

THE FEEDING OF THE LITTLE ONES

Newborns need to feed on breast milk, as it is rich in nutrients necessary for your puppy to grow healthy and strong. Puppies are not ready to wean until **six or eight weeks of age**, but they begin to take an interest in solid food from four weeks of age. It is good to take advantage of this moment to start offering them a puppy feeding formula.

If you decide to give your puppy a **dry meal, it is good that you add water and crush it** until you get a kind of porridge and as the puppy grows, reduce the water and offer him the food increasingly dry. It is important that the passage from liquid to solid is gradual and not sudden, as this could harm your puppy's still immature digestive system.



As for the amount it is preferable that you give **small amounts of food frequently**. This will depend on the age and size of the puppy and always taking into account the recommendations of the veterinarian. It is usually:

| Newborn. 1st month | Until weaning. 2nd month approximately | 3rd month◊ | 4th and 5th month | From the 6th month | From 12-18 months |
|----------------------|--|---|---|--|--|
| Breast milk feeding. | Start in solid feeding. Mix the feed with water and make porridge. | Mix with water and crush the feed a little to help. | Begin the transition to solid food, moistening the feed less and less, until it is no longer necessary. | Maintain special diet for puppies. "puppy" | The dog is considered an adult dog and should be changed to "Adult" feed |
| | 4-6 meals per day | 4 meals per day | 3 meals per day | 2 meals per day | 2 meals per day |

As the puppy grows, we reduce the frequency of meals per day, always depending on the breed and the specific needs of our puppy. It is very important that the puppy always has fresh and clean water to drink.



Puppy

For new family members

Specialized for puppies, it helps them develop bones and tissues to grow healthy and strong. There is also a special diet for puppies of large breeds, with a larger kibble.





Around 12 months in the case of small breeds and 18 months in large breeds, it is considered that a puppy has completed its growth cycle and passes into adult phase and we can change its diet to Adult diets since the dog has other nutritional needs. The change of feed from Puppy to Adult does not need to be progressive if we keep products from the Rex - Natural Range, although it may be interesting that the last days, we introduce part of the new feed..

To make sure that we are feeding our puppy well and that he has the weight that corresponds to him according to his age, size and breed it is good to weigh him regularly.

We leave you an indicative table, in case you notice that your puppy does not grow properly go to the veterinarian.

| Weight (Kg) | Age (months) | | | | | | | | |
|-------------|--------------|------|------|------|------|------|------|------|--|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 12 | |
| 20 | 1,8 | 4,4 | 7,4 | 10,4 | 12,2 | 14,0 | 14,8 | 19 | |
| 25 | 2,1 | 5,3 | 9,1 | 12,7 | 14,8 | 17,1 | 18,1 | 22,9 | |
| 30 | 2,3 | 6,2 | 10,7 | 14,8 | 17,4 | 20,0 | 21,2 | 26,5 | |
| 35 | 2,5 | 7,0 | 12,3 | 16,8 | 19,7 | 22,8 | 24,1 | 29,8 | |
| 40 | 2,7 | 7,7 | 13,4 | 18,6 | 22,0 | 26,6 | 27,1 | 33,6 | |
| 45 | 3,0 | 8,3 | 14,5 | 20,2 | 24,2 | 28,4 | 30,0 | 37,4 | |
| 50 | 3,2 | 8,8 | 15,4 | 21,6 | 26,3 | 31,0 | 32,8 | 41,0 | |
| 55 | 3,4 | 9,2 | 16,2 | 22,9 | 28,2 | 33,6 | 35,4 | 44,6 | |
| 60 | 3,6 | 9,6 | 16,8 | 24,0 | 30,0 | 36,0 | 38,0 | 48,0 | |
| 65 | 3,9 | 10,2 | 17,7 | 25,1 | 31,7 | 38,7 | 40,8 | 51,7 | |

Mini, Adult or Large Breed | Special diet for each breed!



Mini

Nutrients are adapted to their accelerated metabolism concentrated in smaller kibbles.



Adult

Balanced diet with all the ingredients they need to stay strong and healthy.



Large Breed

With a moderate level of fats and with glucosamine and chondroitin to take care of the joints within a larger kibble.



NUTRIENTS NEEDED IN A DOG'S DIET

Complete foods cover all the nutritional needs of our dog and it is not necessary to administer complementary foods.

It is important to know what nutrients to look for on the label of the chosen food to make sure that we are providing our pet with a good diet.



1. PROTEIN OF HIGH BIOLOGICAL VALUE

The most important ingredient in any dog's diet is protein, but not just any protein works. It has to be a protein of high biological value, that is, a **protein that is really synthesizable and usable** by the dog.

And it also has to be digestible protein, that is, that the dog can digest and absorb most of it. That is why it is important to know the origin of the protein included in the chosen dog food.

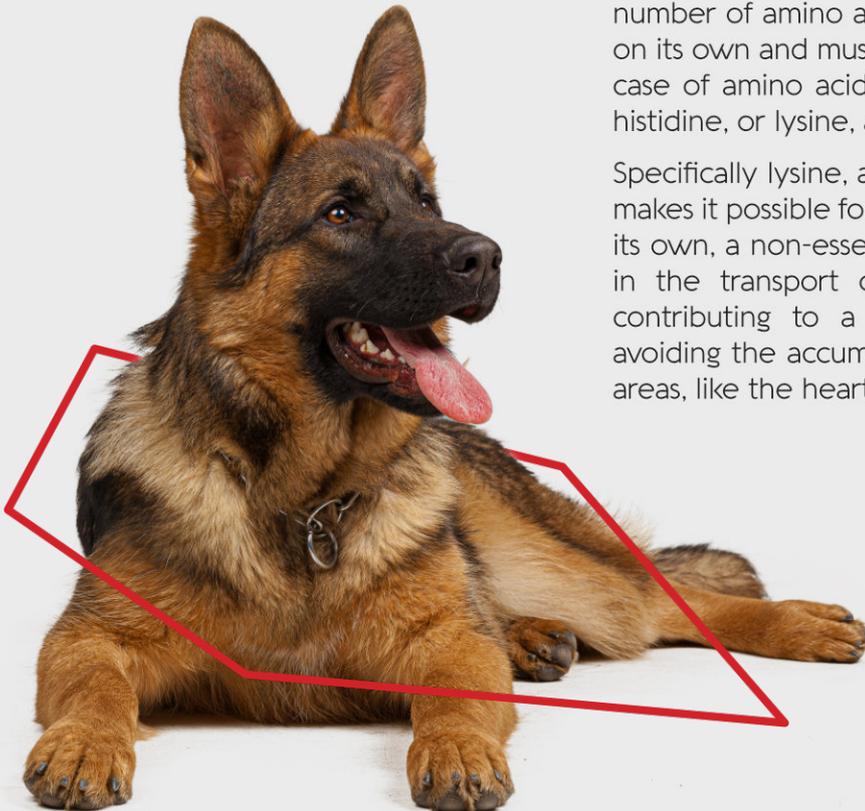
All of Rex's complete foods include protein of high biological value. In addition to fresh meat as the main ingredient they also include egg and chicken liver. And if that were not enough, they also **include prebiotics such as FOS and MOS that favour the growth of the beneficial intestinal flora** improving the digestibility and absorption of the protein.



2. ESSENTIAL AMINO ACIDS

Essential amino acids are fundamental in the dog's diet, especially since there are a good number of amino acids that the animal cannot synthesize on its own and must be provided through food. This is the case of amino acids such as arginine, isoleucine, leucine, histidine, or lysine, among others.

Specifically lysine, an ingredient very present in our food, makes it possible for the dog to synthesize **L-Carnitine** on its own, a non-essential amino acid that has a crucial role in the transport of fatty acids throughout the body, contributing to a correct distribution of energy and avoiding the accumulation of fat in potentially dangerous areas, like the heart.





3. CARBOHYDRATES

Carbohydrates are a good source of energy for the dog, and that is why it is recommended that they are present in their diet, complementing the energy contribution of protein.

Glucose is a carbohydrate and is the only source of energy for the brain, so it should be a must-have ingredient in dog food.

What type of carbohydrates are usually the most recommended?

The most recommended are those that have good digestibility, such as rice, corn, barley, wheat and oats.

Light Chicken & Turkey

A few extra pounds?

The best option is to have a food low in fat and high in fibre to satisfy the dog's appetite.



4. FATTY ACIDS

Omega 3 and Omega 6 fatty acids are very beneficial for the health of your pet, and their absence can cause, among other things, hair loss and skin dryness, even leading to the appearance of scales. These fatty acids help cell membranes metabolize nutrients and contribute **to good maintenance of the immune and nervous systems.**

Fulfilling all these functions, it is not surprising that it is advisable to find them in our dog food. Omega 6 acids are present in avian fat, and Omega 3 in fish fat; in Rex products you will find them in the form of fat or poultry oil and fish oil.





5. VITAMINS AND MINERALS

A balanced supply of vitamins and minerals is essential for a good diet. Complete dog foods should contain appropriate levels of vitamins and minerals to meet the nutritional needs of dogs ensuring proper metabolism and development.

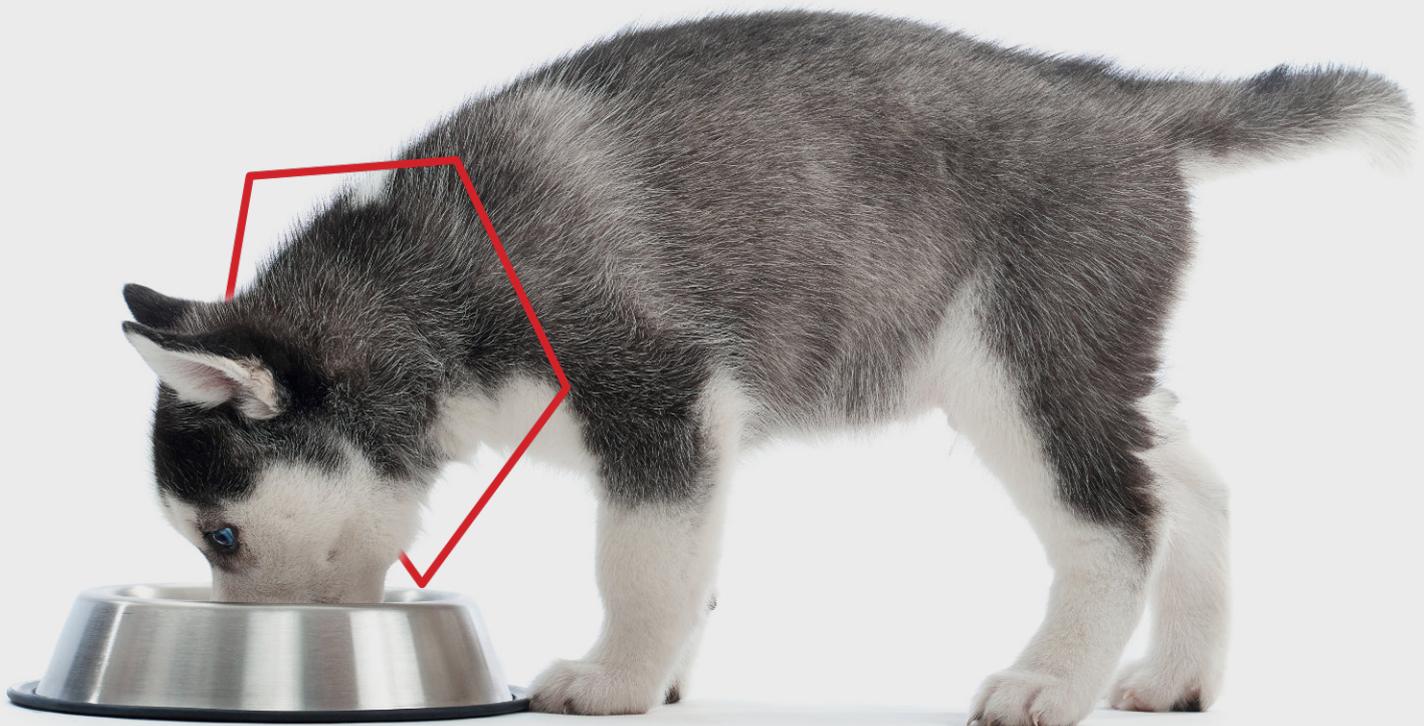
Among the vitamins that we can find in Rex dog food, A, D3 and E stand out.

- **Vitamin A** helps to keep bones, skin, eyesight and reproductive system in good condition.
- **Vitamin D** is instrumental in maintaining adequate calcium and phosphorus levels in the blood plasma, and acts primarily on the kidneys, intestine and bones.
- **Vitamin E** is a powerful antioxidant that among other things guarantees the proper functioning of cell membranes.

As for minerals, it is very important that there is an adequate calcium-phosphorus ratio in the diet of our dog for the formation and maintenance of strong teeth and bones. And in the case of calcium also so that the nervous system works properly and a correct secretion of hormones.

In addition, all Rex feeds offer a balanced supply of trace elements such as iron, copper, zinc and manganese; adapted to the age of the dog, its physical condition and its level of daily activity in each of our specialized diets.

If you are looking for a healthy diet for your dog that favors healthy growth and a long life, do not forget to always look for these ingredients in your dog food.





FISH OIL FOR MY DOG?

Oil is a very good nutritional product not only for us but also for our pets, as it is a natural product. In addition, it is a very good source of omega-3 and omega-6 acids, which provides special health benefits to dogs. Among all the benefits provided by the oil we can find the following:



BENEFITS ON THE SKIN

The first thing to note about fish oil is that it strengthens the immune system and therefore the dermis is benefited. As soon as the dogs takes the oil we can see how our dog's skin changes, as well as his hair becomes brighter, silkier and denser.

In addition, this oil serves to improve the skin barrier by decreasing the penetration of allergens and germs through the skin. In this way we improve the health of the skin and help reduce environmental allergies. It also accelerates wound healing.



BRAIN BENEFITS

Fish oil is essential both for the beginning of the life of dogs and for the last years of it, since this oil provides benefits to the brain.

If we provide salmon oil in the diet to a pregnant dog, we favour the brain development of the foetus and subsequently the cognitive development of the puppy. Also, when dogs are senior, this oil improves their cognitive faculties.



BENEFITS ON BONES

By ingesting fish oil improves the teeth and nails of our pets. If we provide salmon oil on a regular basis we can help improve the health of the joints, since it improves the production of collagen, being able to avoid joint inflammations.



BENEFITS IN THE DIGESTIVE SYSTEM

Another benefit that salmon oil brings to dogs, although it may go unnoticed, is that it improves intestinal transit. In addition, it causes the triglyceride level to drop and improve blood pressure. All this allows us to control one of the most common problems in dogs: Obesity.

These ingredients can be found as nutritional supplements for when there is a lack or need for nutritional reinforcement. The most indicated thing is that the diet of our dog includes it in the appropriate daily proportion.

That is why in REX we include poultry and fish oils in our recipes, since they have great benefits for the health of our pets, in addition to making the diets very appetizing.



Sensitive Salmon & Potato

Show off a fur of scandal!

Extra energy that takes care of them both inside and outside with the contribution of omega 3 and 6.



LET'S GET STRONG BONES!

Animals can contract serious diseases if they do not have the necessary vitamins for their care. Maintaining strong and well-developed bones is essential for the dog to lead a full and normal life.

One of the essential vitamins for strengthening bones is **vitamin D**. This vitamin is responsible for regulating the absorption of calcium and phosphorus. That is why vitamin D is essential in puppies so that the bones are formed properly and do not have any deformation and do not develop rickets.

This insufficiency can result from a lack of this vitamin in the diet, having internal parasites, a malfunction of the intestine or having had insufficient breastfeeding.

Another nutrient that is necessary for strong bones and that the dog does not manufacture it for itself is **calcium**. Calcium is not only essential for the formation of teeth and bones, but it is also essential for the

proper functioning of the nervous system and a correct secretion of hormones.

All dogs need calcium, but there are some groups that need it in greater quantity, such as pregnant dogs, nursing or puppies, especially if they are less than 3 months. The insufficiency of this nutrient can cause the bones to rub against each other causing the well-known hip dysplasia.

Another nutrient that is critical for bone development and strengthening is **phosphorus**. This nutrient combines perfectly with calcium to form bones and teeth. It is very important that there is an adequate calcium-phosphorus ratio in the diet of our dog so that there are no imbalances.

The best way to find out if our pet needs any nutrient to strengthen the bones more, or on the contrary has excesses, is to go to the veterinarian to examine the dog through an analysis.

Other times, if a nursing dog has insufficient nutrients, she usually has a strange behavior with her young. The lack of these nutrients is also often observed in the fragility of their bones and teeth.

The most important nutrient of the above is calcium and it can seem complicated to know how much calcium our dog should take per day. The amount of calcium is not the same for all dogs, it varies according to their weight, size and needs.

Normally the feed that we usually administer to our dog carries the amount of nutrients necessary for a correct development and formation of the bones, especially in our Natural Range, which contains between 1.30% and 1.75% of calcium according to the needs and stage of each dog.

Adult Lamb & Rice

Do we try another flavour?

Lamb is very digestible and will delight your pet. In addition, as it is monoprotein, it is the perfect solution for intolerances to other meats.



FOOD ALLERGIES AND INTOLERANCES IN DOGS

Food allergies usually manifest themselves in the skin and hair, as a result of an immune response. On the other hand, food intolerances usually manifest themselves with problems of the gastrointestinal system, such as: diarrhoea, stomach disorders, many flatulences ... It is advisable to go to the veterinarian in case of appreciating any of the symptoms described above.

An important part of allergies and intolerances are caused by the intake of a specific protein, especially those most commonly involved in any of the pathological conditions are usually chicken, beef or pork.

The most effective way to reduce the chances of a reaction is to have **monoprotein foods**, with a single source of animal protein, such as salmon, lamb or white fish. This way we make sure that the dog does not ingest any other animal protein.

There are also few cases of allergies to cereals. For this it will be necessary to feed our pet with food without cereals (Grain Free).

Within our range you can find quite a few monoprotein and grain free diets. Our most recommended food for allergies is the Rex Natural Range diet - Sensitive, salmon monoprotein, and for intolerances the Rex Natural Range - Grain Free Fish, since it does not contain cereals and has fish as the only source of animal protein. And Rex Natural Range - Grain Free Chicken, since it does not contain cereals.

It is important to take into consideration that cases of allergies in dogs are very reduced and rare. We need to visit immediately the veterinarian if we appreciate some symptoms in our dog.

For those few cases of allergies, Rex Natural Range contains the mentioned 3 different products.



Grain Free

“Chicken & Potato” or “Fish”

Problems with gluten?

Problems with gluten? Provide your dog with the necessary nutrients with these diets that do not contain any gluten. And enjoy!



