

Protein

NUTRIENCE

No by-products. No fillers. No added glutes.
No bad anything.

Introduction

Proteins are formed by linking amino acids, while carbohydrates are linked sugars and fats are formed by combining fatty acids and glycerol.

There are twenty three different types of amino acids. These twenty three nutrient components can be linked together in an infinite number of patterns, to form literally thousands of different protein based substances.

Perhaps we think of meat when we think of protein, but there are dozens of compounds made of protein or more specifically amino acids, including tendons, hormones, neurotransmitters, fat transporters, plant proteins or glutes and more.

For dietary considerations, there are basically **two** choices:

1. Meat based proteins
2. Plant based proteins.

Plant based proteins are termed 'glutes'.

For accuracy, their description is generally prefaced by the plant or grain of origin, for instance wheat gluten, rice gluten and corn gluten, etc. Only Soya protein seems to escape this classification. Soy protein or soybean meal are generally the terms used.

Specifically, the amino acids or protein nutrients required by dogs and cats are found in higher levels in meat based proteins. The easier a meat based protein is to digest, the more readily available are the amino acids. All Nutrience formulas use chicken or lamb meal protein sources.

Key Points - Protein

- Essential for growth and maintenance of cells and organs.
- Fundamental role in virtually all biological processes in the body.
- Form all enzymes essential to metabolism.
- Essential for muscle contraction, immune and nervous systems.
- Energy source.
- Chicken is one of the best sources of protein for your pet - it is more digestible than other meat based proteins.
- Meat based proteins supply all the essential amino acids a dog or cat requires.



All Nutrience formulas (except Lamb & Rice) use high quality chicken meal for the main source of protein.

Definitions

Chicken Meal

Dried and ground clean combination of chicken flesh and skin, exclusive of feathers, heads, feet and entrails.

Comments: Extremely good source of protein and a quality source of calcium and phosphorous when low levels of bone are included. No Salmonella risk and optimal nutritional value. Used in all **Nutrience** formulas except for Lamb & Rice.

Lamb Meal

The dry rendered product from lamb meat, exclusive of hair, hoof, horn and hide trimmings, manure and stomach content. Used in **Nutrience** Lamb & Rice dog food formula.

Chicken by-product Meal

Consists of the dried, ground and clean parts of the carcass of slaughtered chickens. May include necks, feet undeveloped eggs and intestines, but should not include feathers.

Comments: Lower quality source of protein, calcium and phosphorus. All Nutrience formulas contain no by-products.

Poultry by-product Meal

As per Chicken by-product meal, but may include other forms of fowl, most commonly Turkey.

Comments: lower quality source of protein, calcium and phosphorus. Variable in source, thereby increasing allergic potential. All Nutrience formulas contain no by-products.

Meat Meal

Rendered mammalian tissues and organ meats, usually bovine. Should not include hair, hoof, horn, hide, stomach or rumen contents.

Comments: lower quality protein source and variable in source, thereby increasing allergic potential.

Corn, Rice, or Wheat Gluten

The extracted protein portion of the associated grain, with minimal fat or carbohydrate content.

Comments: lower Biological Value protein source for pets. Wheat gluten allergies are relatively common. These are the primary protein ingredients found in conventional pet foods. As a general rule, the lesser quality ingredients are found in grocery style products while Premium and Super Premium products, like Nutrience, provide the highest biological value of raw materials. This provides better overall nutrition and allows for reduced feeding volumes.
