

BIOPREPARATION (BP) - Usage Guidelines for Nutritional Health Support

BIOPREPARATION Formulas and Ingredients*

There are two BP formulas (F2+, F3+), each containing different proportions of the same four microalgae, resulting in slightly different concentrations of nutrients in each formula. The four microalgae in each of the BP formulas are Spirulina Pacifica, Spirulina Platensis, Dunaliella Salina and Astaxanthin from the alga Haematococcus Pluvialis. These microalgae were selected from among hundreds for their unique compatibility. The algae in the BP formulas are hydroponically grown in a controlled and protected environment to maximize purity and deliver their highest nutrient potential and completeness.

Each BP formula contains thousands of nutrients. The following are just some highlights of these nutrients which best describe their nutritional potential:

PROTEINS - High-quality complete protein (between 45% to 55% protein) - including all the essential amino acids with 98% net assimilation.

VITAMINS - All known vitamins – A, B complex, C, D, E and K. Including B12, rarely found in plants, and beneficial for vegans and vegetarians.

MINERALS - More than 114 natural and bioavailable minerals & trace elements: calcium, magnesium, zinc, potassium, sodium, iron, copper, selenium, phosphorus, manganese, molybdenum and many more.

NUCLEIC ACIDS - DNA & RNA, the building blocks of living organisms, needed for effective tissue growth and repair as well as healthy cell function.

ESSENTIAL FATTY ACIDS (EFA) - Essential fatty acids Omega-3, and Omega-6, including rare Gamma-linolenic acid (GLA), critical to healthy brain function. Additional non-essential Omega-9, and many more fatty acids are also present in synergistic balance.

MIXED CAROTENOIDS - Carotenoids play many important roles in health especially when acting as powerful antioxidants, protecting the cells of the body from damaging free radical effects. Many carotenoids are found in BP, including alpha-carotene, beta-carotene, astaxanthin, lycopene, lutein, zeaxanthin, quercetin, cryptoxanthin, and many more.

CHLOROPHYLL WITH CALCIUM SPIRULAN - Chlorophyll – the green pigment in plants – is chemically like (hemoglobin) blood in mammals and plays a similar, essential role in the production and transportation of nutrients, Chlorophyll, with its main component magnesium, plays an important role in calcium digestion and absorption, and offers many other health benefits, including growth, respiration, detoxification and more.

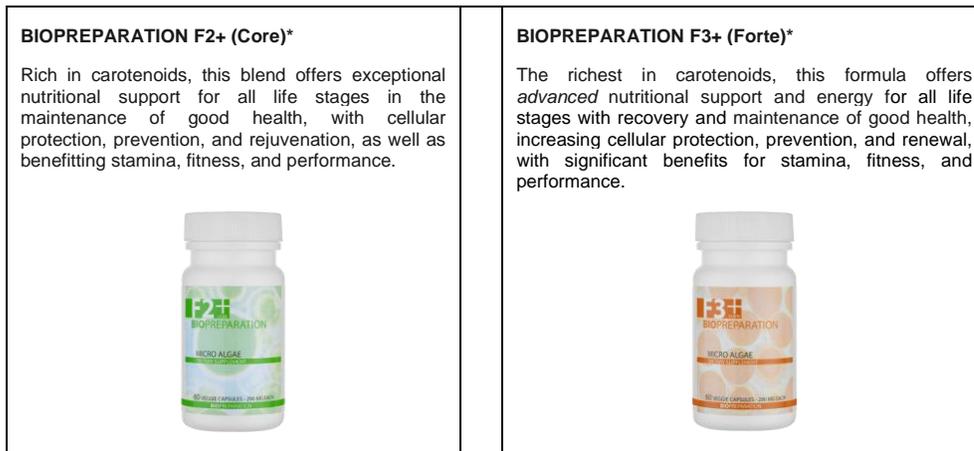
ENZYMES Thousands of enzymes critical for good health. Enzymes facilitate the breakdown of foods and help to increase the reproduction of probiotic bacteria such as lactobacilli that further aid in the digestive process.

Holistic Usage

To maximally benefit from BIOPREPARATION, one should let go of the palliative mindset (addressing and treating symptoms) in favor of the holistic approach (prevention first, and a whole body, curative approach aiming at the root cause of symptoms). With BP, the holistic approach is one of optimal nourishment to derive whole body benefits on the cellular level, which include energy, detoxification, growth, repair, protection, and renewal.

Formula Options

BIOPREPARATION is a complete, nutrient-dense micro-food that delivers optimal nutritional benefits to every cell, in turn greatly supporting and enhancing the body's own innate digestion, defense and healing mechanisms. When included in daily feed, even a pinch will provide health benefits above and beyond any vitamin or mineral supplement.



*The algae in BIOPREPARATION formulas are identical to those in BIOSUPERFOOD, but are freeze dried at a colder temperature to achieve a finer powder allowing for quicker assimilation for small species, and animals with short digestive tracks like dogs and cats

Recommended Usage for Companion Animals

While there is no “one-size-fits-all” solution for every species and/or individual circumstance, *any* animal will derive benefits with BP added to their daily feed. For most companion animals, the total daily intake goal will be between a pinch up to 3 capsules of the chosen formula. Optimal results are achieved when the daily amount is divided into smaller portions and given in 2-3 servings daily. Flexibility and respect of individual biochemistry is recommended for best results.

These general usage guidelines pertain to *most* companion animals but, given that there are considerable variations with regards to size and species differences say between a fish or parakeet and a horse, all options cannot be adequately addressed in one page. Please consult a BIOAGE Product Specialist or your BP provider for more specifics, and/or for livestock or exotic species usage.

- **For nutritional support, skin and coat and general health maintenance:** BP F2+ will support the body to promote and maintain optimum health, augment, and maximize the diet's nutritional benefits, offer balanced energy and stamina, and assist with protection and prevention of health issues.
- **For fitness and performance of show and sporting animals:** BP F3+ is ideal for show and sport animals to maintain peak performance and protect the body from the negative effects of stress. Additional portions can be given as needed prior, during and after extended trials to increase stamina, energy and strength; for recovery from workouts and/or strenuous exercise and for prevention of related injuries.
- **For maximum therapeutic support:** For the ultimate in nutritional support for certain conditions of compromised health and/or chronic metabolic imbalances, F3+ promotes overall health by replenishing needed nutrients that may be deficient, thereby providing the ultimate nutritional support for the body to heal itself.

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Quantity per intake and distribution throughout the day

Clinical and experimental observations over decades have shown that a small quantity taken frequently is more efficient than taking a larger quantity less frequently, therefore optimal results are achieved when the daily intake goal amount is divided into smaller portions given in 2-3 servings daily. For most companion animals, the total daily intake goal will be between a pinch to 3 capsules of the chosen formula. Flexibility and respect of individual biochemistry is recommended for best results.

Providing BP to Companion Animals

Most animals find the BP formula to be highly palatable. The capsules can be twisted open over the animal's feed and the desired amount dispensed. For cats & dogs, mix the desired amount of BP into a small amount of pure water, bone broth, etc., then mix with food - or pour directly into wet food and mix thoroughly.

For use with small (hamster, bird, fish, etc.) or large (cow, horse, etc.) animals, please contact a BIOAGE Product Specialist or your BP provider as needed for a regimen tailored to your specific animal(s)' circumstances.

Adaptation Phase

It is recommended to introduce BP to the body in a slow and gradual manner, starting with just a fraction of what the eventual daily intake goal is and gradually increasing the frequency and/or quantity every few days until the desired daily goal amount is attained. Always respect the animal's body's own guidance and adjust as needed.

General Proportion Guidelines for Cats & Dogs:

Cats & small dogs (up to 20 pounds) - Start with just a pinch to ¼-capsule twice daily for the first few days, then increase the amount and or frequency of this portion every 2-3 days as needed and/or desired. Daily total intake goal is between ½ - 2 capsules.

Medium to large dogs – Start with between roughly 1/3 capsule - 2/3 capsule twice daily for the first few days, then increase the amount and or frequency of this portion every 2-3 days as needed and/or desired. Daily total intake goal is between 1 - 3 capsules.

Which Formula?

In general, younger healthy animals with no acute or chronic health concerns or toxic exposure should do well with a healthy diet & lifestyle and the addition of BP F2+ to their daily regimen.

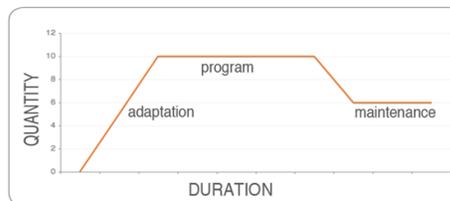
For injured, sick and/or senior pets – and for sporting and show animals – F3+ may be the best choice. There are certain conditions (see Precautions below) in which it is recommended to start the animal on F2+ and transition to F3+ once the animal's body has acclimated to the BP+ formula. The enhanced nutritional support of BIOPREPARATION promotes optimal health by providing the ultimate in nutritional energy to all cells and protecting from free radicals.

Precautions

With pregnant animals, or in cases of cardiac issues, brain injury, stroke, diabetes, or other serious health conditions, it is important to allow the animal adequate time to adjust to a small amount of F2+ before proceeding. If uncertain, consult a veterinary health professional, or your provider, preferably one familiar in working with BP, or a BIOAGE Product Specialist at [1-877-288-9116](tel:1-877-288-9116).

Phase Duration and Usage

We recommend a daily regimen of BIOPREPARATION for life. BP is the best tool that an animal(s) can have to regain and maintain optimum health. Degenerative conditions that may have developed over years may require an optimal intake program duration of at least 3-12 months, after which a lesser maintenance amount may be given.



Recommendations for maximum results

- Optimum results are achieved by giving a portion of the daily intake goal at least 2-3 times daily
- Portions may be given with or without food but in most cases, the easiest way to give BP to animals is mixed in their daily feed
- Always be sure to provide plenty of pure, clean water to assist the animal's assimilation of nutrients and elimination of debris and toxins
- Tangible reaction symptoms are normal and differ for each animal – be observant of animal's response and make adjustments as needed
- It is recommended to follow through with the program as suggested
- Following the program, a maintenance program should be followed for life

Other Recommendations

- We recommend a balanced, species-appropriate (mostly "wet") food diet for cats and dogs
- For animals eating a predominantly "kibble" diet, we recommend the addition of at least some fresh options a couple of times per week, such as raw or lightly cooked meat, organ meats (gizzards, hearts, livers) eggs, bone broth, sardines (in water), fresh fruit or vegetables, unflavored yogurt or cottage cheese, etc.
- Use ceramic, lead-free pottery or stainless-steel bowls for both food and water – plastics can lead to feline acne and/or leach into pet's foods and cause toxicity issues
- Adding pure water or unseasoned broth to food may allow for better hydration
- Check with a BIOAGE Product Specialist or an animal health professional to share and/or monitor results, particularly during the adaptation phase

Storage and Shelf Life

It is not necessary to refrigerate BP. Do not expose to freezing or high temperature for long periods of time as it may affect the product. When stored properly at room temperature, BP will remain fresh, powerful, and efficient for years.

Disclaimer: These statements have not been evaluated by the Food and Drug Administration. The suggestions and information contained in these guidelines are not intended to treat, prevent, or mitigate disease.

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