BIOPREPARATION
MICRO-ALGAE

# PETS USAGE GUIDELINES

TITRATION • APPLICATIONS • NUTRITIONAL INFORMATION

# BIOPREPARATION
## MICRO-ALGAE

BioPreparation is a great example of **“the whole is larger than the sum of its parts.”** BioPreparation due to its synergetic blend, is exponentially more nutritionally efficient than plain alga such as Spirulina or Chlorella.
It is therefore significantly more nourishing, rejuvenating, and healing to the body and brain.

“If you can increase brain health, the rest of the body is a no brainer.”
Dr. Michael Kiriac,

BIOPREPARATION
MICRO-ALGAE


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**Disclaimer**

* The statements in this guide have not been evaluated by the FDA or other health agencies. The information is not intended to diagnose, treat, prevent or cure any disease. This booklet is intended for educational and informational purposes only. The authors do not suggest that readers diagnose and / or medicate without the sound judgment and seasoned counsel of a well-informed healthcare provider. If uncertain, consult an animal health practitioner that you trust before making any changes to your animal's regimen.

# WELCOME

*Welcome to the BioPreparation family and congratulations on your purchase! Thank you for letting us share with you the benefits of this daily whole micro food.*

*We are passionate about living healthy fulfilling lives and about sharing this passion with our loved ones, friends, and beloved animal companions.*

*We firmly believe in the human and animal genius design of the body, the brain, and of every single cell that the body is composed of. We believe that if our cells are properly nourished, our body will function at its maximum potential.*

# WHY DO ANIMALS NEED BIOPREPARATION?

BIOPREPARATION is for pets to regain, protect, and maintain their overall health and immune system. It's a holistic solution to help the body use its own self healing power. All animals can benefit from the rich nutrient content of BIOPREPARATION.

## General Nutrition

Processed pet food bears little or no resemblance to the natural diet of a carnivore. Canned food and dry kibble lack important nutrients, including enzymes that are necessary for proper digestion. Without enzymes pets age faster and are plagued with degenerative diseases such as arthritis, cancer, irritable bowel syndrome, diabetes, and others.

## As nature intended

Animals in the wild instinctively feed themselves on raw food and may consume algae when drinking from natural water sources. BIOPREPARATION is made from the most nutritious algae in the world: rich in complete proteins, vitamins, minerals, enzymes, and antioxidants. Feeding BIOPREPARATION to our animal companions provides them the daily essential nutrients to support their health the way Nature intended it.

# WHAT IS BIOPREPARATION?

*BIOPREPARATION is an exclusive blend of micro-algae that hold extraordinary nutritional properties. BIOPREPARATION was intensively researched in the former Soviet Union for over 13 years on more than 20 species of animals. The research, led by Dr. Michael Kiriac, demonstrates that BIOPREPARATION helps restore the "inner genius" of the endocrine (hormonal) system, which regulates all aspects of health.*

- BIOPREPARATION is a true revolution in supplementation.
- BIOPREPARATION has improved the lives of many animals when a diagnosis could not be made. More than just a superfood
- BIOPREPARATION is a breakthrough in holistic pet nutrition.

It is Nature's vitamin chest in a capsule, literally containing **over 5,000 different nutrients :**

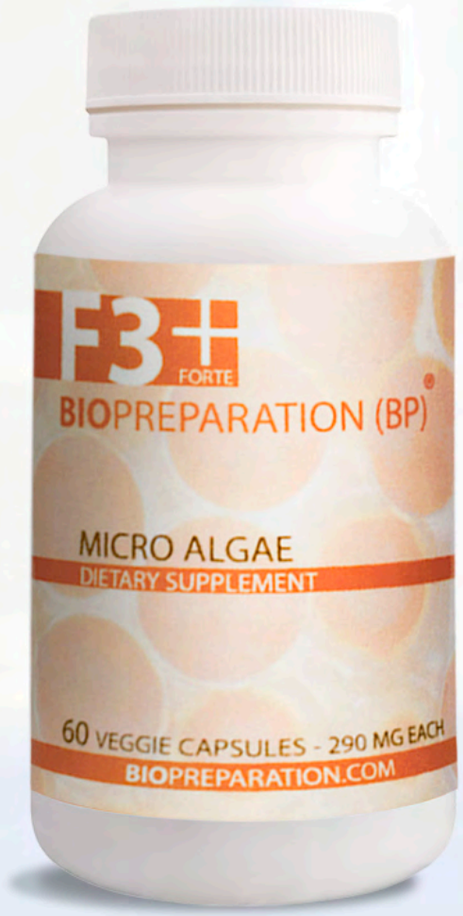
- Vitamins A, B complex with B12, C, D, E, & K
- Essential fatty acids (Omega 3, 6 and 9)
- All essential minerals and 92 trace elements
- Complete proteins with over 20 amino acids
- Antioxidant hundreds of times more powerful than vitamin E or C
- Thousands of enzymes – nature's powerful digestive and metabolic agents
- 100% natural. No pesticides or preservatives.

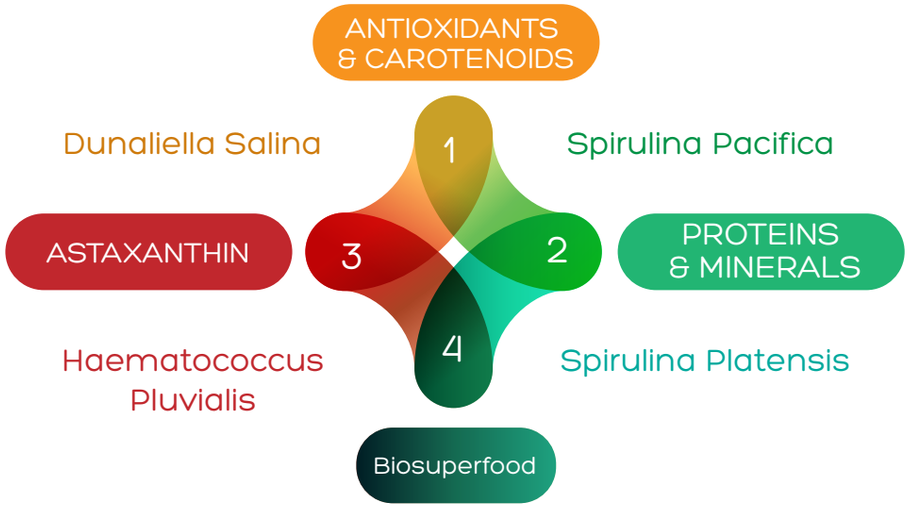
Give your pet the health it deserves. Save money, buy fewer supplements, and simplify your life!

BIOPREPARATION is Health Canada approved as "A source of antioxidants for the maintenance of good health".

# WHAT CAN BIOPREPARATION DO FOR YOUR ANIMAL?

- Support the immune system to help prevent diseases*
- Provide potent, energizing nutrition
- Help achieve supple skin and shiny coat
- Help in reducing arthritis pain and inflammation*
- May help increase mobility and flexibility*
- May support improved digestion and elimination*
- Increase stamina and overall energy
- Help promote balance mood and focus
- May augment life expectancy potential*
- Support to greater fertility*[3]






# INGREDIENTS

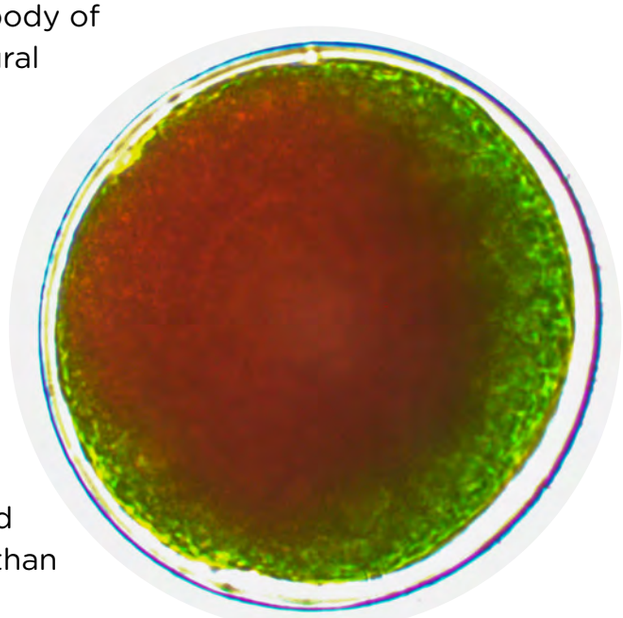
*The 4 microalgae in BioPreperation were selected amongst thousands for their unique properties, quality, and compatibility. They are hydroponically grown and cultured to their highest potential of completeness, balance and synergy.*

## Spirulina - 2 selected species

A blue green micro-alga, invisible to the naked eye, grown in warm and brackish water. It is approximately 60-70% complete highly digestible protein. Its protein elements contain 18 out of 22 amino acids, including all the 8 essential amino acids. Spirulina is a rich source of vitamins such as A, B, E, H, thousands of enzymes and several essential and non-essential fatty acids. Spirulina is rich in B vitamins, minerals, trace elements, chlorophyll, and enzymes. It is also one of the best food sources of GLA – an essential fatty acid necessary for tissue growth and regeneration. Due to its soft cell wall all of Spirulina's nutrients are easily assimilated.

## Haematococcus Pluvialis

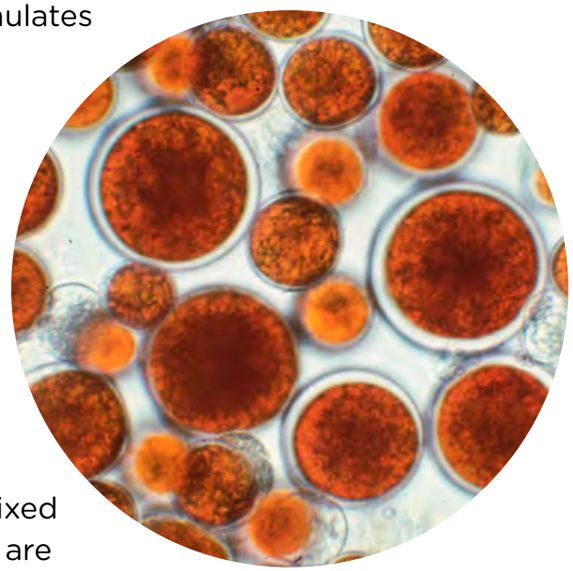
Believed to be by far the world's richest known source of astaxanthin, a unique natural carotenoid pigment and an extremely powerful biological antioxidant. A growing body of scientific literature shows that natural astaxanthin surpasses many of the antioxidant benefits of vitamin C and vitamin E. Astaxanthin holds superior antioxidant activity and has an ability to support and maintain natural inflammatory response.



Additionally, scientific research has proven that astaxanthin is able to cross the blood-brain barrier and the central nervous system better than many other antioxidants.

## Dunaliella Salina

A single celled, salt-water micro-algae that under appropriate growth conditions accumulates massive amounts of beta-carotene. Dunaliella contains other carotenoids such as alpha carotene and xanthophylls like zeaxanthin, cryptoxanthin and lutein. It also accumulates very high concentrations of glycerol. High concentrations of beta-carotene and glycerol offer Dunaliella protection from the saline conditions and osmotic pressure of the environment where it lives. Natural mixed carotenoids found in Dunaliella salina are among nature's best antioxidants.



# EXTRAORDINARY NUTRITIONAL VALUE

**Each capsule contains > 5,000 nutrients :**

## Proteins

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

## Vitamins

Contains all known vitamins – A, B complex, C, D, E and K.
Includes vitamin B12, which is rarely found in plants, being very beneficial for vegans and vegetarians.

## Minerals

Over 92 natural minerals and trace elements like calcium, magnesium, zinc, potassium, sodium, iridium, iron, copper, selenium, fluorine & more.

## Essential Fatty Acids (EFA)

The essential fatty acids Omega-3, Omega-6, including rare Gamma-linolenic acid (GLA), and non essential Omega-9, and many more fatty acids. EFAs are the “good” fats essential to human health and critical for healthy brain function.

## Enzymes

Thousands of enzymes critical for good health. Enzymes facilitate breakdown of foods and increase the reproduction of lactobacilli – the bacteria that digests our food.

## Nucleic acids

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

## Mixed carotenoids

Carotenoids play an important role in human health by acting as powerful antioxidants, protecting the cells of the body from the damaging effects of free radicals. Carotenoids found in BIOPREPARATION are: alpha-carotene, beta-carotene, astaxanthin, lycopene, lutein, zeaxanthin, quercitin, cryptoxanthin, and many more.

## Chlorophyll with extraordinary calcium spirulan

Chlorophyl is to plants what blood is to humans – essential to metabolic functions such as growth and respiration. Chlorophyll being comprised of magnesium, plays an important role in calcium digestion and absorption.

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# BioPreparation FORMULAS

*Each formula is formulated with different nutritional value.*

*They are presented in capsules that are easy to swallow or open for practical use.*

***QUALITY ASSURANCE**

BioNutrition ensures that strict standards for safety, quality and purity are adhered to throughout the various processes and controls. BIOPREPARATION is ecologically harvested pesticide and herbicide free. You are guaranteed the highest quality non GMO food, gluten and soy free, with no added fillers, colors, sugar, or anything else.

## BioPreparation F2+

## Excellent nutritional support

(60 vegetarian capsules per bottle)

A revitalizing concentrate of nature's best nutrients and phytonutrients..

- Daily essential nutrients
- Support to the immune system*
- Source of many carotenoids/antioxidants
- May maximizes absorption of nutrients*
- Supports energy and promotes calmness*

Formulated to support protection and maintenance.

**Take a pinch up to 6 capsules daily.**

## BioPreparation F3+

## Advanced nutritional support

(60 vegetarian capsules per bottle)

A more efficient formula. Awaken the genius within with nature's most powerful antioxidants.

- powerful immunity and toxin shield
- Support to immunity and toxin shield*
- Support to metabolic repair and rejuvenation*
- Efficient energizing nutrition*
- Source of many carotenoids/antioxidants
- Promotes strength and vitality*

Formulated for support to advanced protection and rejuvenation

**Take a pinch up to 6 capsules daily.**

*These statements have not been evaluated by the Food and Drug Administration. This product and information is not intended to diagnose, treat, prevent, or cure any disease.

# USAGE GUIDELINES

*Any animal** can derive benefits from BIOPREPARATION added to their daily diet, while this guide is intended for cats and dogs. The amount to be given varies from 1/4 capsule to 3 capsules daily, depending on a variety of factors. Optimal results are achieved when giving a smaller amount 3 or more times per day at regular intervals rather than just once or twice daily. Consult your animal's health care professional for more guidance.*

** ***Guidelines for other species will be provided upon request.***

## RECOMMENDED DOSAGES

### Nutritional Support and Maintenance

Enhance natural health with the comprehensive nutritional support of BIOPREPARATION. Formula F2+ or F3+ is can be used. Start with 1/4 capsule for the first 3 days, then adjust gradually up to 3 capsules daily. Best results are obtained when taken 3 to 6 times daily, one portion at a time.*

### Fitness, Performance, Skin and Coat

Ideal for active, athletic and/or show animals to maintain peak performance and to protect the body from stress. Formula F3+ is recommended. Give as per NUTRITIONAL SUPPORT AND MAINTENANCE above, and additionally, give 1/4 to 1 capsules just prior to and after exercise, race or shows.*

### Advanced Protection and Prevention

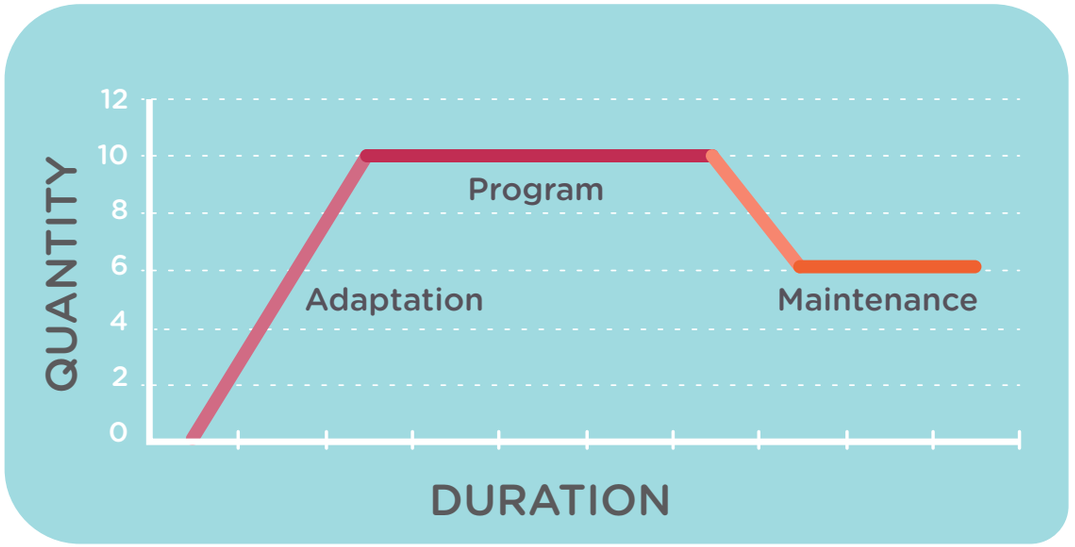
The enhanced nutritional support of BIOPREPARATION promotes optimal health by supporting the immune system, healing and protection from free radicals. Start with 1/4 capsule daily for the first 3 days, then adjust gradually up to 3 capsules daily. Formula F3+, is more suitable for chronic and acute conditions. Best results are obtained when taken 3 to 6 times daily, one portion at a time.*

## ADAPTATION PERIOD

It is recommended to give BIOPREPARATION in small amounts at first, and then to gradually increase over several days/weeks in order to allow the body to adapt to the increased nutritional energy and health improvements. Start with 1/4 capsule daily for the first 3 days, then adjust gradually up to the recommended quantity and frequency.

## PROGRAM DURATION

We recommend a daily regimen of BIOPREPARATION for life. Degenerative conditions that took decades to develop may require a optimal intake program duration of 3-12 months. A maintenance amount can be given afterwards.* The therapeutic dosage should be followed 3-6 months. Degenerative conditions that took decades to develop may require a program duration of 6-24 months. The maintenance dosage can be followed afterwards.



# OTHER RECOMMENDATIONS AND TIPS

*We want your pet to get the most from your BioPreparation investment. Here are some tips to help you along:*

## TAKING BIOPREPARATION

- First things first!: **Regular, consistent, daily intake** of BIOPREPARATION is a **critical factor for success**.
- Start feeding the algae first thing in the morning. Optimum results are obtained when a smaller amount is given more frequently throughout the day.
- BIOPREPARATION can be given with or without food.
- Make certain pets have access to fresh, clean water. Many veterinarians recommend adding water to canned or raw food to increase hydration. Proper hydration is key to their health, especially in hot climates or summer months.
- When using BIOPREPARATION, it is possible to reduce or stop the intake of other supplements. Consult your health professional for specifics.
- Any animal can derive benefits from BIOPREPARATION added to their daily diet, while this guide is intended for cats and dogs. Guidance for other

## FOOD

- We recommend a mostly "wet" food diet: raw, species-appropriate, properly home-prepared, and/or quality canned foods – for dogs and cats. These options are closer to whole food than a highly-processed kibble-only diet. If you must feed dry kibble to your dog or cat, offer some fresh options at least a few times a week: sardines (in water), unseasoned raw or lightly-cooked eggs, meat and/or broth, unflavored yogurt (small amounts), etc.
- Keep your animal trim and healthy by not letting them eat too fast! Eating too much too fast can result in everything from vomiting to bloat to obesity and more and can, in some cases, be a sign of underlying health issues.
- Use stainless steel, glass, ceramic, or lead-free pottery bowls for your animals' food and water – all are safer choices than plastic

## MOVEMENT

- Keep pets moving with access to fresh air and sunshine to help them maintain a healthy weight. If your pets are couch potatoes, slowly introduce more walks and/ or interactive play to keep them more active and moving as often as feasible.

***Store the algae at room temperature or refrigerated, but do not freeze***

Always consult a Veterinarian before making any changes to your pet's health regimen.

# 90 DAY HEALTH DIARY

| GENERAL HEALTH | NOW | 30 DAYS | 60 DAYS | 90 DAYS |
|---|---|---|---|---|
| | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 |
| Energy | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Digestion and Elimination | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Food Cravings | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Immune System | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Skin and Coat Health | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Mobility and Flexibility | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Pain and Inflammation | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Strength and Endurance | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Fatty Tumors | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |

| BRAIN & EYE HEALTH | NOW | 30 DAYS | 60 DAYS | 90 DAYS |
|---|---|---|---|---|
| | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 |
| Humeur | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Vigilance | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Vision | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| Sommeil | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |

| OTHER (add your own) | NOW | 30 DAYS | 60 DAYS | 90 DAYS |
|---|---|---|---|---|
| | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 | 1 2 3 4 5 |
| | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |
| | ○○○○○ | ○○○○○ | ○○○○○ | ○○○○○ |

**It generally takes at least 90 days for any permanent change in the body to take effect.** This includes benefits from changing habits/routines, dieting to lose weight, and from natural supplements, and other.

Some dramatic changes are sometimes noticed in the first week of serving BIOPREPARATION, while other changes are gradual over several months. Healthy animals may benefit subtle positive changes such as more energy, better mood, improved coat, and/or improved digestion.

Keep a diary for 90 days and see if you can track any improvements. **Rate the improvements from 1 to 5, 5 being the best.**

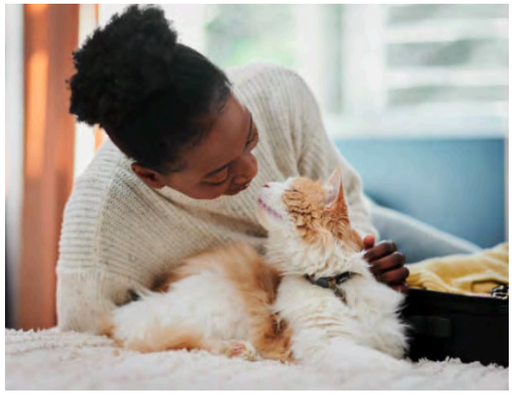
# TESTIMONIALS

*My two year old standard poodle, Hubie, started to develop fatty tumors under the skin. As Hubie got older, they continued to develop and they peaked in numbers at more than ten. Giving BioPreparation over three months was enough to cause this final reduction in fatty tumors from over ten at its peak to just one small one now.*
***G.J., USA***

*We had a cat that came to our hospital that had not eaten in 4 days. All lab tests and blood work were negative. Further examination found absolutely nothing wrong with the cat but it was still dying. I never figured out what was wrong with the cat but the owner was very thankful that BioPreparation*
*literally saved his cat's life.*
***Dr. Michael King, DVM Canyon Animal Hospital, USA***

*My Anya had IMHA or AIHA – yesterday we got excellent results with her PCV/Hematocrit back in the normal range. She is currently doing extremely well after a very rocky road at times. We have used the f2+ & f3+ capsules with great results. It only took a low dose for Anya (weight 25+ kgs / 55+ lbs) of 1/2 capsule 4 times daily to bring Anya's red blood cells to a reasonable level. She had been down to 7% and yesterday she was at 39%!*
***Jeanna & Anya, U.K.***

*Just wanted to let you know that Abby had her semi-annual blood work done last week and the results were fantastic! She had been diagnosed with chronic renal failure (CRF), and the vet told me that she saw no evidence of kidney disease in the current blood work. She said that on paper it looked like the results of a young cat (Abby is 17). I attribute this to BioPreparation*
***B.K. USA***

*Our Cairn Terrier was diagnosed with hemangiosarcoma and had surgery to remove the cancer tumor and spleen. He was given an estimate of 2 - 4 months to live (if lucky) after surgery. He is getting BioPreparation and is enjoying life now, more than 46 months (as of September 2008) after the procedure and still doing well. He has outlived the vet's prognosis by over 11 times. Thank you for helping Macintosh beat the cancer odds and giving him a new lease on life.*
***N.A., USA***

*Dr. Kiriac's life work and revolutionary concept on cellular nutrition is a must in conventional and aternative medicines. I have personally experienced and seen many health benefits for humans and animals.*
***Dr. Michael Lemmon, DVM, past president of American Holistic Veterinary Medical Association)***