



OPTIMUM CHOICES, LLC
Healthy choices for people and pets

BioPreparation Case Studies

Immune Mediated Hemolytic Anemia (IMHA)

Auto-Immune Hemolytic Anemia (AIHA)

(The original of this document is a PDF file. All the [underlined blue words](#) are hyperlinks back to their referenced web pages. To download a PDF copy with live hyperlinks, go to: <http://www.optimumchoices.com/ImmuneMediatedHemolyticAnemia-IMHA.htm>)

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IMHA or AIHA: the Disease

Immune Mediated Hemolytic Anemia ([IMHA](#)) and Auto-Immune Hemolytic Anemia ([AIHA](#)) appear to be the same disease with different names. We were told by a client that AIHA is what they used to call this anemia condition but the veterinary community decided it needed a new name, so now call it IMHA. Basically, red blood cells are not manufactured at the bone marrow level, requiring frequent blood transfusions to keep the pet's hematocrit level (HCT) in the normal range (40-45). In addition, the body's own immune system is seemingly attacking itself by destroying the remaining good red blood cells thus lowering the blood cell count. Prednisone, Prednisolone, Neoral (cyclosporine) and Azathioprine are the most commonly prescribed drugs. While these drugs do suppress the body's immune system from attacking itself, they do nothing to regenerate the red blood cells that are being destroyed, resulting in degenerative anemia. The [Morris Animal Foundation](#) estimates **50% of dogs die within two weeks of diagnoses and the mortality rate is up to 80%**. Please don't wait any longer to take action. A dog's condition can change in as little as 4 hours. The first case of AIHA/IMHA we helped was in 2003. Since then we have handled over 100+ cases (more than one IMHA case per week now), with at least a 65% survival rate in 2009. In sharing our experiences below, we hope to ease your journey and that of your pet.

Some vets are seeing the onset of this auto-immune disease shortly after vaccinations.

In [Dr. Jean Hofve's](#) article on [Vaccination](#) she states:

*“...the vaccine manufacturing process contains some quirks that cause the body to make antibodies to a wide variety of components in the vaccine. Most vaccines are produced through a culture medium such as eggs, blood serum, or certain types of cells. The organisms are grown in these nutritious cultures, then filtered for manufacture into vaccines. While the filters are small enough to keep out whole cells, both viruses and a variety of loose proteins will end up in the final product. When injected, the dog or cat's body then makes antibodies to many of the proteins as well as the virus itself. Studies at Purdue University showed that **canine vaccines grown in calf serum caused antibodies to be made to many calf proteins including red blood cells**, thyroid, DNA, connective tissue proteins such as collagen, fibronectin, laminin, albumin, transferrin and others.*

*Unfortunately, calf proteins are so similar to dog proteins that the **antibodies react to the dog's own tissue** as well—this is an “auto”-immune reaction (“auto” means “self”). Every vaccinated puppy developed multiple autoantibodies, and every additional booster produced even more autoantibodies. Because the puppies in the Purdue study were euthanized at 22 weeks of age, it is unknown if these autoantibodies would lead to disease, but follow-up studies with client-owned dogs are ongoing.*

*Diseases associated with the tissues to which autoantibodies are made include thyroiditis (which can lead to hypothyroidism in dogs), lupus, cardiomyopathy, and **autoimmune hemolytic anemia.**”*

We have seen other IMHA/AIHA cases begun during pregnancy, just after delivery, after the first “heat,” after heartworm treatment and just after FRONTLINE® Flea and Tick Control treatment. Based on our holistic (non-medical) perspective, we suspect any hormonal changes or anything that compromises the immune system (e.g., exposure to strong chemicals, infected tick or flea bite, allergic reaction, extraction of teeth causing an overload from bacteria) could trigger these auto-immune diseases.



We are not doctors, veterinarians or certified nutritionists nor do we have any medical training. We do have Bachelor Degrees in biology and geophysical engineering and a M.S. Degree in Telecommunications. We also have certificates in canine massage, Reiki Master/Teacher, Reiki for Animals, ARCH ([Ancient Rainbow Conscious Healing](#)) and aromatherapy training. We do have 85+ years of combined holistic living experience. It is from this holistic perspective, that we share our AIHA/IMHA experiences with you, so that you might benefit from our clients' knowledge and experience. No one should have to go through the AIHA/IMHA experience alone, as this is such a devastating (hopefully

once in a lifetime) disease. The following are our experiences with these diseases. This is not meant to replace or substitute for proper veterinary care. For simplicity, henceforth, Auto-Immune Hemolytic Anemia (AIHA) and Immune Mediated Hemolytic Anemia (IMHA) will be collectively referred to as IMHA.

Year	Cases	Survival Rate
2008	45	53%
2009	54	65%



Note: This information has not been evaluated by the FDA. These statements are not intended to diagnose, treat, prevent or cure any disease. Please see a qualified medical professional for proper diagnoses and any health care treatment.

Bio-Algae Concentrates (BAC)

During the 1970's in the former U.S.S.R., their chicken, rabbit and mink populations (all cash crops) were beset with a cancer epidemic. In 1973, Dr. Michael Kiriak was tasked by the Moldova Academy of Sciences to research a nutritional way to prevent cancer in animals. Current research at that time pointed to the promise of algae, as a nutritional tool in preventing cancer. Out of the 25,000+ species of algae on Earth, he chose more than 1,000 different species to research. Bio-algae concentrates (BAC) is the generic name given to the research algae mixture that Dr. Michael Kiriak used on mice, rats, chicken, rabbits, mink, pigs and other livestock. After 20 years of research he discovered the following BAC benefits:

1. 50% of diseased chickens (including Marek disease, a type of cancer) were put back into production
2. Ability to raise disease-free (including cancer) chickens without the use of antibiotics and hormones
3. 20% overall productivity increase in chickens
4. 21% increased weight of chickens
5. Increased strength of eggshell and larger eggs
6. Better tasting eggs and meat
7. Prevention of cancer in rabbits
8. Shinier and longer fur in rabbits
9. Increased survival rate of newborns
10. Increased fertility—larger litters
11. Calmer moods
12. Prevention of viral and bacterial infections—overall healthier animals
13. Reversal of dangerously low white blood cell counts (due to leukemia)
14. **Regeneration of bone marrow, blood, spinal fluids and liver cells**



You can order a copy of Dr. Kiriak's book, *Awakening the Genius Within*, documenting this research on over 20 animal species, at [BioPreparation for Pets](#). It is this ability of BAC to regenerate bone marrow and blood cells that is most relevant to IMHA. What research did Dr. Kiriak find to suggest algae could help the body regenerate blood cells? Chinese **scientists documented that phycocyanin stimulates hematopoiesis (creation of blood), emulating the hormone erythropoetin (EPO). EPO is produced by healthy kidneys and regulates bone marrow stem cell production of red blood cells.** They claim **phycocyanin regulated white blood cell production, even when bone marrow stem cells are damaged** by toxic chemicals or radiation.¹

Chlorophyll is sometimes called “green blood” because of its similarity to the hemoglobin



molecule found in human blood cells. In fact, both are constructed of almost identical molecular structure called pyrrole rings, and both substances are chemically known as “porphyrin pigments” by scientists. The difference is that chlorophyll contains a magnesium ion at its core, while hemoglobin contains an iron molecule.

¹ Zhang Cheng-Wu, et. al. *Effects of polysaccharide and phycocyanin from spirulina on peripheral blood and hematopoietic system of bone marrow in mice.* Second Asia-Pacific Conf. Ibid, April, 1994. (Source: <http://www.themagicisbac.com/page10-01-05.html>)

Magnesium imparts a green color to the chlorophyll molecule and is involved in synthesis of other materials, while iron gives hemoglobin a red coloration and changes the function of the porphyrin molecule to respiration and breakdown of materials. There are many reasons why cereal grass and other dark green plants can be considered “blood-building” foods. The **vitamins and minerals in cereal grass are essential to the synthesis and function of the components of healthy blood.** It does appear, however, that **small amounts of the digestive products of chlorophyll may stimulate the synthesis of either heme or globin or both in animals and humans.** Since the above is purely research, we leave it up to the reader to draw their own conclusions regarding how algae might benefit their pet.

(Source: <http://www.themaqicisbac.com/page10-00.html>)

We have used a [whole food product, BioPreparation](#), containing the same four microalgae in Dr. Kiriatic’s Bio-Algae Concentrates (BAC) formula. Yes, BioPreparation does contain phycocyanin and chlorophyll but that is not the point of this article. BioPreparation contains over [5,000 individual nutrients](#) in a [whole food form](#) and not as a supplement. These nutrients are in small doses (not therapeutic) but in the proper ratio that Nature intended to stimulate the body’s own ability to balance and heal itself.

BioPreparation is a nutritional food product approved for cats and dogs (and [BioSuperfood](#) for humans) and we advertise nothing more. However, as you can see by customers’ [testimonials](#) below, once their **animal’s natural ability to heal has been awakened, the healing power of the animal’s body is unlimited.** We say unlimited because we have seen a [mast cell cancer tumor](#) (fastest spreading type of cancer tumor) disappear in ten weeks when chemotherapy and radiation treatments were declined. We have seen numerous cases of dogs with [AIHA](#) and [IMHA](#) make a full recovery, after the vets had given up on the dogs (blood cell count down to 7). The most recent case on the [Yahoo Group Board](#) was Jeanna’s dog that was dying and she literally saw improvement within 24-48 hours after giving BioPreparation. We will leave it up to the reader to draw their own conclusions regarding this super nutritional product and Auto-Immune Hemolytic Anemia (AIHA) and Immune Mediated Hemolytic Anemia (IMHA).



Since 2002, we have been using BioPreparation/BioSuperfood and seen many dogs recover from IMHA and other [auto-immune diseases](#). How did BioPreparation/BioSuperfood accomplish this? It didn’t. BioPreparation simply supplied the super nutrients to the body at the cellular level (microalgae are one-celled organisms) rather than trying to “fix” the problem with drugs or a supplement that needs to be digested and broken down in the digestive tract. Since we are not medically trained, our guess (based on 20+ years of bio-algae concentrates animal research) is that BioPreparation has the ability to stimulate the body’s own natural ability to heal. When the body is holistically balanced and all the glands and organs are functioning at close to 100%, then the body can **resume red blood cell production at the bone marrow level all by itself.** When the master gland (pituitary), pineal and hypothalamus in the brain are synergistically working together, the bone marrow is naturally producing healthy red blood cells. We see very [quick](#)

[results](#) after starting BioPreparation. BioPreparation contains super nutrients (specifically abundant antioxidants in the form of mixed carotenoids from its four microalgae) that can awaken the master gland in the brain, which controls all the other glands and organs of the body and, of course, red blood cell production. Since no one knows exactly why IMHA occurs, **boosting and balancing the whole body is the most holistic approach to the regeneration of red blood cells**, which after all, is controlled by the brain.

Here is a testimony for a dog whose blood cell count was down to 16.7% and still declining (normal range is 37-55%).

AIHA Case Study

*My purebred boxer, Gator, developed **anemic symptoms** two weeks after a car accident. The*

*bone marrow disorder was eating his red blood cells. His **blood count (HCT) was down to 16% and he had to have two blood transfusions within a month. I have spent over \$4000 on my dog and the vets had given up on him. Gator was on several different medications including high-powered steroids and he was only maintaining life, barely.***

I did some research on my own and found the [BioPreparation](#) product, so I called to inquire and after hearing the information decided that I had nothing to lose.

*I initially gave Gator 4 capsules per day of the BioPreparation along with the steroids and other medications and he started to improve almost immediately. After a month or so we discontinued all medication except for the BioPreparation at 4 per day and Gator was not only maintaining life, but actually recovering. His blood count was increasing with every vet visit. **One year later Gator is still on 4 capsules per day, but he is the healthiest he has been in a long time.** I just had his yearly check up and he checked out with normal blood count and no sign of the anemic disorder whatsoever. I owe it all to the **BioPreparation—it truly saved my dog's life.***



*Thank you so much,
Zach Steele & Gator*

(See next page for vet report and lab test documenting Gator's AIHA disorder.)

June 1, 2005

To: Dr. Scott Fleming
From: Dr. Phil Ries

Fax # 505-326-5404

Re: "Gator" Steele

Client # 62491

Dear Scott:

Thank you for the recent referral of Gator Steele for an internal medicine consultation regarding a recent onset of anemia and lethargy. At presentation, Gator was lethargic with pale mucous membranes, but was otherwise normal on physical examination. Based on my suspicion for a primary bone marrow disorder based on your hemogram, Gator's workup consisted of chest radiographs (screening for metastatic disease), CBC / Chem / UA, tick serology, reticulocyte count, abdominal ultrasound (screen for occult neoplasia and/or infection), a bone marrow aspirate and core biopsy. Also, an in-house PCV revealed a substantial drop to 9% (from the previous days reading of 18% at your clinic).

Pending lab results, Gator was hospitalized and received two units of pRBC's which boosted his hematocrit to 22%. Therapy with Doxycycline and Dexamethasone was instituted. Lab work from the reference lab received the next day revealed a pancytopenia (PCV = 8%, Platelets = 64,000, and WBC = 2,900) with the anemia being nonregenerative in nature (retic. = 2400). The bone marrow aspirate was consistent with a hypocellular marrow. At the request of the owner, Gator was discharged on the 27th. At that time his CBC parameters had improved (PCV = 23%, Platelets = 147,000 and WBC = 5600). He was sent home on Doxycycline pending the bone marrow biopsy results. The biopsy results were somewhat difficult to interpret since the cellular appearance varied dramatically based on what level of the biopsy was evaluated. It varied from a hypocellular marrow to suspicious for emerging leukemia.

Both Dr. Hribenik and I feel that some type of primary immune-mediated destruction is likely responsible for the pancytopenia. Reinstating immunosuppressive therapy is the most reasonable alternative at this time. I would start with Prednisone at 60 mg po bid and Azathioprine at 50 mg po sid. Follow up with a recheck CBC, reticulocyte count, and biochemistry panel in one week to check for response to therapy and potential drug toxicity. Evaluation by an outside reference lab would be preferable from a consistency standpoint. This is a very interesting, albeit, difficult case. I would appreciate it if you were able to fax the follow up lab work to my office for evaluation (505-291-5554). Thanks again for the referral, don't hesitate to call if you have any questions.

Sincerely,

Phil Ries, DVM, DACVIM

Gator's vet report

San Juan Veterinary Hospital
 167 South Browning Pkwy
 Farmington, NM 87401

Patient: GATOR
 Species: Adult Canine
 Client: MIRANDA STEELE

Hematology

6/8/2005 12:30:33 PM		LaserCyte™	
WBC	= 4.06 K/μL	LOW (5.50 - 16.90)	
LYM	= 1.36 K/μL	(0.50 - 4.90)	
MONO	= 0.37 K/μL	(0.30 - 2.00)	
NEU	= 2.23 K/μL	(2.00 - 12.00)	
EOS	= 0.07 K/μL	LOW (0.10 - 1.49)	
BASO	= 0.03 K/μL	(0.00 - 0.10)	
%LYM	= 33.5 %		
%MONO	= 9.0 %		
%NEU	= 55.1 %		
%EOS	= 1.7 %		
%BASO	= 0.7 %		
HCT	= 16.7 %	LOW (37.0 - 55.0)	
RBC	= 2.59 M/μL	LOW (5.50 - 8.50)	
HGB	= 6.2 g/dL	LOW (12.0 - 18.0)	
RETIC	= 20.3 K/μL		
%RETIC	= 0.8 %		
MCV	= 64.5 fL	(60.0 - 77.0)	
RDW	= 23.2 %	HIGH (14.7 - 17.9)	
MCHC	= 37.2 g/dL	(30.0 - 37.5)	
MCH	= 24.03 pg	(18.50 - 30.00)	
PLT	= 177. K/μL	(175. - 500.)	
MPV	= --- fL		
PCT	= 0.6 %		
PDW	= 18.4 %		

MPV out of reportable range. (PB 2)

not in season

*~ 25-5mg/kg (1/2) ^{lemon}
 - Cephalexin - Normal
 - Prednisone - Normal
 - Recheck in 7-10 days
 if OK
 OK!*

Printed: 6/8/2005 12:30:50 PM

Page 1 of 1

Normal _____ Lipemia _____ Hemolysis _____ Icterus _____
 (White) (Red) (Yellow)

Gator's HCT = 16.7%

IMHA Case Study

Cali was due to have her puppies on February 10th of 2003 and about 1 week before she was due she fell over and got very weak. She was like this for about 3 days. I fed her chicken broth with an eye dropper. We took her to the vet and she was diagnosed with **anemia**. Her **blood count (HCT) was only 13 (40-45 is normal)** and she lost her puppies. They gave her a blood transfusion and kept her overnight. She came home and we took her back a week later for her hysterectomy as the vet said she had a really bad infection. She had her operation and came home again. About 10 days later she fell over again and we took her back to the vet. At that time her **blood count (HCT) was at 8** and we were told to take her to Wheat Ridge Animal Hospital for another transfusion because they can only do one transfusion without blood typing. We rushed her over the mountain (from Snowmass) got her blood typed, started the transfusion and were told we could have killed her by taking her over the pass (the high elevation depletes more oxygen). While she was there they did a **bone marrow biopsy and told us she had no red blood cells being made**. After 4 days, and **\$7500 later**, the vet told us she had **Immune Mediated Hemolytic Anemia (IMHA)—Red Blood Cell Aplasia**, her blood count was up to 14 but she could not go home and would probably die there. At that point they had her on **7 different immune suppressants including Prednisone (a steroid)**. I took Cali and all her drugs home anyway. We took her to the vet everyday for blood tests for about 2 months and she just wasn't getting any better. She was bloating up and had no strength or energy. She couldn't even go down the stairs by herself. I started to research the drugs and slowly pulled her off all but Prednisone. She started to act a little better but we still couldn't get her blood count above 17. Her liver was enlarged and she was full of fluid.



Fortunately, I met Alecia who introduced me to **BioPreparation** along with a natural diet of chicken or beef, rice and carrots mixed with seaweed, garlic, acidophilus, and flax seed oil. We were still giving her Prednisone for about 5 months and gradually weaned her off of it. She has been off of Prednisone for about 9 months now and only eats her chicken or beef, rice and a little garlic and is down to one capsule of BioPreparation in the morning and one at night (**down from eight capsules per day at her peak**). She has not been to the vet for about 9 months because I felt so sorry for her getting poked all the time that I just lift her lips up now and see if they are pink instead. From what I can see, she is fully recovered. She is on a weight reduction program now to lose the weight caused by the steroids. She now runs up the mountain (10-11,000 ft. elevation) without stopping. Her blood count has doubled to 35. This disease is 100% fatal according to CSU (Colorado State University) studies. They are the leaders in the research of this disease. I am **so thankful I was introduced to your revolutionary holistic product, BioPreparation, and for saving Cali's life.**

—Deb

Update 12/2008:

Cali is still doing great, she is full of energy, running up and down the mountains, eating well and her **gums are pinker than ever**. She still has not been to the vet; **it's been 5 years now since her IMHA**. I tell everybody that I talk to about her **miraculous recovery and about the wonderful benefits of the "green pills"**. We now have Mo, her son from her first litter; he is going to be 8 in Feb, living with us. More on Mo in his testimonial. When I feed Cali and Mo in the morning and the evening, they both sit there and wait while I prepare their bowls. The last thing I do is add the BioPreparation microalgae, I open the capsule, let them sniff it and tell them, "Super dog pills." I still believe that the **super dog pills saved and continue to save Cali**. Thank you again for always being there for me Russell.

—Deb





DENVER VETERINARY SPECIALISTS

3695 Kipling Street Wheat Ridge, Colorado 80033
Tel 303-940-1239 Fax 303-420-8360

Text of fax dictated on 03/08/03

March 8, 2003

Martha Rideout, DVM
Alpine Animal Hospital
17776 Hwy 82
Carbondale, CO 81623

RE: Kali Bamesberger

Dear Dr. Rideout:

Thank you for your referral of Deb and Craig Bamesberger for evaluation of Kali, their 6-year-old, spayed female Beagle.

HISTORY: Kali had initially presented to your clinic on February 12th, 2003 for extreme lethargy and anorexia. At that time her most significant clinical findings were a hematocrit of 8% with a normal total protein, and mild serosanguinous vulvar discharge. At that time Kali was not spayed. She was given one whole blood transfusion and was spayed due to the possible pyometra. Kali's hematocrit stabilized at approximately 22% for one week, but on March 3rd, she re-presented for recurrence of anemia and lethargy. Her hematocrit at that time was back down to 8%. Kali had no history of recent vaccinations or other medications although she did have an extensive travel history to Arizona, Utah, and Mexico in the last six months.

PHYSICAL EXAMINATION: On presentation here Kali was normothermic and depressed. Her mucous membranes were pale and tacky. On chest auscultation a II/VI holosystolic murmur was heard accompanied by strong bounding pulses. She was tachycardic with a heart rate of 180 beats per minute. She was mildly tachypneic, although lung sounds were within normal limits. On abdominal palpation she had splenomegaly and hepatomegaly.

PROBLEMS AND DIFFERENTIALS: Rule outs for the anemia included blood loss (coagulopathy, neoplasia), increased destruction (immune-mediated hemolytic anemia, infectious), consumption or decrease in production. The most likely cause for the heart murmur was anemia, although we could not rule out primary cardiac disease as well.

Continued...

Immune-Mediated Hemolytic Anemia

BAMESBERGER, CRAIG and DEB - Kali.doc 1

Carrie J. Miller, DVM

Kali's HCT = 8%



DENVER VETERINARY SPECIALISTS

3695 Kipling Street Wheat Ridge, Colorado 80033
Tel 303-940-1239 Fax 303-420-8360

03/08/03 ... continued

DIAGNOSTIC TESTING: A saline dispersion test was performed to look for autoagglutination and was positive. A chemistry profile performed earlier that day at your clinic was relatively normal although there was a very mild hypoalbuminemia of 2.6 gm/dl. The CBC confirmed anemia with a hematocrit of 8% and a platelet count of 120,000. The white blood cell count was low normal at 5.6×10^3 white blood cells per microliter. On the CBC 1+ spherocytes were noted as well as target cells. A reticulocyte count was performed and showed very minimal regeneration with a reticulocyte production index of 0.2%. The findings of spherocytes, agglutination, and anemia were most consistent with an immune-mediated hemolytic anemia. The fact that there was minimal regeneration concerned me that possibly we were dealing with a pure red blood cell aplasia at the level of the bone marrow.

CASE MANAGEMENT: Kali was hospitalized and given one unit of Oxyglobin and one unit of packed red blood cells. She was given dexamethasone sodium phosphate, 4 mg IV s.i.d., Pepcid, 5 mg IV b.i.d., doxycycline, 100 mg p.o. b.i.d., heparin, 1,000 IU subcutaneously t.i.d., and Imuran, 25 mg p.o. s.i.d. She was maintained on intravenous fluids in order to improve peripheral perfusion. Chest radiographs were performed and were within normal limits.

Poor prognosis
for survival

Due to the lack of regeneration within the bone marrow, I performed a bone marrow aspirate the following day which revealed phagocytosis of both red blood cells and red blood cell precursors thus confirming an immune-mediated process at the level of the bone marrow.

I gave the owners a relatively poor prognosis for long term survival. I recommended aggressive treatment with immunoglobulin. It is thought that immunoglobulin treatment helps decrease the number of antibodies against the red blood cells. Over the next few days Kali continued to eat well with no vomiting, however, her hematocrit dropped from 26% down to 16%. I gave her one further Oxyglobin transfusion on March 6, 2003. Since Kali was eating well with no vomiting, we discharged Kali that day and continued her on prednisone, 15 mg p.o. b.i.d., Imuran, 25 mg p.o. s.i.d., cyclosporine (Neoral) 50 mg p.o. s.i.d., and Pepcid, 10 mg p.o. b.i.d. I also continued Kali on 40 mg of baby aspirin p.o. s.i.d. to help prevent thromboembolic disease. We weaned her off her heparin injections before she was discharged. I asked the owners to continue to recheck with you on a daily basis to monitor PCV and clinical signs. I warned them that Kali may need further transfusions and that there is a good chance that we will not be able to control the immune process. Thank you again for this referral. Please call me with any questions.

Sincerely,

Carrie J. Miller, D.V.M.

CJM/gjl

DOD: 03/8/03

Lori A. Wise, DVM, MS, Diplomate ACVIM

DOT: 03/11/03

Enclosure - copy of blood work to follow with hard copy of fax
BAMESBERGER, CRAIG and DEB - Kali.doc 2

Carrie J. Miller, DVM

Vet gave Cali a "poor prognosis for long term survival"

Regular Dosage Suggestions

At the onset of IMHA, we always suggest one start with the most therapeutic formula, BioPreparation-F3+ (pink label, 60 capsules, \$45). BP-F3+ has the most antioxidants and super nutrition that can actually cross the blood/brain barrier to awaken the master gland and brain's organs. Normally, we would suggest a gradual dosage introduction to our nutraceutical product, BioPreparation. However, if your pet is not eating, see the emergency suggestions on the back page of the [Saved Lives](#) testimonials. After the blood count improves and stabilizes into the normal range, one can consider either reducing the high beginning dosage or transitioning to the maintenance formula, BioPreparation-F2+, if desired. This all depends on the age, genetics and recovery of the dog.



While some of our testimonials have used the maintenance formula (because that is all they had), BioPreparation-f2+ (green label), successfully, we still suggest starting with the therapeutic formula, BioPreparation-f3+ (pink label). No one really knows the exact triggers for this deadly disease and a dog's condition can change in as little as four hours. Do you want to trust just having the maintenance formula on hand?

Based on our nutritional experience with the products, we can share a few lessons that we have learned to help you avoid any unpleasant circumstances. We have seen animal guardians give too much BioPreparation, too fast in the beginning (in hopes of “healing” their pet quickly) with the



initial results being vomiting and/or diarrhea. While this is not a side effect of the product, the results are unpleasant (for both the animal and guardian). In our holistic opinion, these signs show the product is working by **waking up the animal's natural ability to heal and purging toxins from the body** but the dosage is more aggressive than the body can handle. We suggest the following

beginning daily dosages for pets that are still eating and are not in critical condition:

- Small breed dog (5-20 pounds, 2-9 kg)— ¼–½ capsule per day total
- Medium size dog (20-65 pounds, 9-30 kg)— ½–1 capsule per day total
- Large size dog (65-100 pounds, 30-45 kg)— 1 capsule per day total
- Giant size dog (100+ pounds, 45+ kg)— 1 capsule per day total

For optimum results, we have found that opening up the capsules and sprinkling the powder on the animal's food provides the quickest absorption and best results. Also, it is *best to spread the dosage of BioPreparation equally over the entire day.* For example, for one capsule per day give ½ capsule in the morning and ½ at night for better results. If one can, administer the total daily dosage in 5-6 small increments for maximum results.

Stay with this beginning dosage for about 3–5 days and if your animal has adapted without any problems, gradually increase the dosage in small increments (¼–½ capsule) every 3-5 days up to the following average dosage:

- Small breed dog (5-20 pounds, 2-9 kg)— 1–2 capsules per day total
- Medium size dog (20-65 pounds, 9-30 kg)— 2–4 capsules per day total

- Large size dog (65-100 pounds, 30-45 kg)— 2–5 capsules per day total
- Giant size dog (100+ pounds, 45+ kg)— 3–6 capsules per day total

The above guidelines are just suggestions based on our nutritional experience with the products. They can be modified up or down according to the constitution of the animal, health history, quality of diet, vaccination history and current symptoms. ***Our rule of thumb is, give as much as the body can tolerate without exacerbating the current symptoms or causing detoxing symptoms to appear (see FAQ section at the end).***

Emergency Dosage Suggestions

In emergency cases where the animal is not eating and death looks to be imminent, the beginning introduction of BioPreparation can be accelerated to 1/2 capsule every 4 hours, at the guardian's discretion. It is best to mix the algae powder in wet food but in extreme cases where the animal is not eating, the guardians have mixed the algae powder in water and squirted the mixture with an eye dropper or syringe directly into the animal's mouth to stimulate the appetite. **Be careful not to squirt the water too far back into the throat or too forcefully, as to cause gagging or get in the lungs.** Our rule of thumb in emergencies is, **give as much as the animal can tolerate without exacerbating the current symptoms or causing detoxing symptoms to appear.** For further dosage suggestions, go to our webpage [BioPreparation Usage](#).



If one wants to take action and does not have access to BioPreparation, here is a suggestion based on our nutritional holistic experience. Go to the health food store and buy the best algae/Spirulina product you can, that has two or more species of algae in it. Alternatively, buy 2-4 single bottles with a single algae in them. Look for algae species such as Spirulina Pacifica, Spirulina Platensis, Dunaliella, Astaxanthin, blue-green algae, Hawaiian algae, chlorella and Aphanizomenon flos-aquae (AFA). Also, buy some liquid chlorophyll in either a dropper bottle or gel capsules. Mix approximately 1/4 teaspoon of the algae powder and one dropper full (about 25 drops) of the liquid chlorophyll (or poke a hole in the gel capsule to squeeze the chlorophyll out) into a 1/2 cup of water. Then administer with an eye dropper or syringe as above. One can do this every four hours or so, depending on the severity of the symptoms and tolerance of the dog's body.

In IMHA cases, a balance must be achieved between giving too much, too fast and giving enough to [save a pet's life](#). Since each animal is different, it is left up to the animal's guardian, who is most familiar with the pet's body, which course of action to follow.

Yahoo Group Message Board

Below are some postings from this Yahoo Message Board on IMHA and AIHA.



The purpose of this group is to discuss the use in animals of the Bio-Algae Concentrates (BAC) developed by Dr. Michael Kiriak, specifically BioPreparation and BioSuperfood. While the focus will be on the BioPreparation product that is customized for animal use, BioSuperfood can also

be used with animals. This is the place to share experiences in using these products with animals so we can better understand how to use them and find out what results others have experienced. The group is moderated by Optimum Choices, LLC, who is a premier and world's largest distributor of BioPreparation for animals.

[Click to join the Bio-algae for animals Yahoo discussion group](#)

Here are some Search results by using the words: "IMHA" and "AIHA" searching the entire Board for all related posts:

*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. When we started using it - it only took a **low dose for Anya (weight 25+kgs) of 1/2 capsule 4 times daily to bring Anya's red blood cells to a reasonable level-** she had been down to 7% - yesterday she was 39% and has varied over the last 5 months.*

When I first contacted Russell my Anya had very little hope for long term or even short term survival but now all that has changed and we are hoping for a completely relapse-free future. Fingers crossed!!!

Russell thank you - Anya is doing great!!!

Jeanna & Anya (IMHA / AIHA) — U.K.

(Posted on the Bio-Algae for Animals Yahoo Group Message Board, [Message #930](#))

Our Debra is also a rescue and diagnosed with IMHA. The title of "rescue" makes us believe she was brought into our life for a reason and today she remains growing ever stronger despite what the doctors told us. Now you are here with us, seeking the answers we all reach for.

*I have been in the medical field over 30 years and know that when conventional medicine fails, we ultimately lean harder on prayer and natural healing. Not only do **we believe in Bioalgae, we have living proof bouncing around the house again**. Debra's PCV went down to 11 and I refused to transfuse. The vets thought I was giving up, but I told them I had hope and **a way to help her despite the death sentence they gave us**.*

I wrote to this board after reading every post and ordered our product immediately. Since, we tell everyone who is left with no "option" that we can show them one...and we do. This is truly the beginning to a new and healthier life. We have 3 months to continue on the Prednisone, but I can foresee we will be off it long before as we are already down to 5mg Q 12 hrs.

—Belinda

(Posted on the Bio-Algae for Animals Yahoo Group Message Board, [Message #872](#))

UPDATE: (copied from Bio-Algae for Animals Yahoo Group Message Board, [Message #994](#))
Debra's labs are totally normal!!! They are even better than normal. She is once again the little terrorist that captured our hearts and tortures our sanity with her antics.

*We are weaning farther down off the Prednisone to 1/2 tab Q2. For the love of God and medical science, I do not understand why this vet remains adamant about 4 months of therapy.....
Despite my argument regarding longevity of WBC's that were aboard at onset, until we gained control over production, and the relevance of their non-existence for some time....we should be in the clear....and further driving it home: With the BP F3+ product onboard just days after diagnosis: I am more than confident that the "wbc factory" has been purged of confused defector WBC's, only top of the line new WBC's are present, and the red cells are all brand new with no strange bugs attached to them.*



Debra was purged (i.e. cleaned) with BP F3+ for 3.5 months and moved to BP F+2 a month ago. I feel we were over indulging ourselves in cleansing for that amount of time, but no harm no foul with such a pure product.. it can only do good....and she will forever be a BP-F3+ girl .

—Belinda



[Click to join the Bio-algae for animals Yahoo discussion group](#)

Join the Yahoo Group and Search the entire Board for all posting related to the words: "IMHA" and "AIHA"

More Testimonials

Our 7 1/2 year old Beagle was diagnosed with IMHA yesterday, she has not eaten in 3 days, I feel like I am watching her die right now. The vet has her on Prednisone and Amoxicillin as of yesterday, but I don't think she is even receiving the medication as she throws up shortly after I give it to her. Vets said it was a 50/50 chance. I am feeding her with a syringe and carrying her outside to potty.

One week ago today I started Rainbow on BioPreparation and her blood count was 12. Rainbow's blood count this morning is 31!

This morning's blood count is 39!!!! within the normal range now. Has only been on the

BioPreparation for about 10 days. We are so happy!
—S.H.

(08/28/2008 update) Rainbow's blood count is above normal and has been for over three months now. No other symptoms of IMHA present. She is doing absolutely great and we totally attribute it to your BioPreparation, no doubt in our mind! We are just happy customers! If I could afford it I would be on it too, but since I am actually the "healthy" one in the family I just count my blessings.

Pooch had a rough night on 11/11 and **needed CPR** on the morning of 11/12 because he **collapsed and his heart stopped**. They were able to revive him and **gave him his tenth blood transfusion** on the morning of 11/12 for IMHA. His **lowest PCV was about 8**. We gave him the BioPreparation at approximately 12:30 on 11/12 and he responded wonderfully. He **began drinking water almost immediately**. His **PCV level remained stable at 32**, when in the past it had been no higher than 16, even with blood transfusions. On 11/14, they **discharged him from the hospital after 10 days** there. I am happy to report that he has remained home and his **PCV is now 45, in the normal range**. We started off with a pinch of BioPreparation and then **increased it incrementally**. We are now giving him 1 capsule a day. He is 11.6 lbs. now. He is still on the immune suppressants and steroids (**Prednisone, Aspirin, Neoral and Azathioprine**) but we are working on weaning him off these medications.

We cannot thank you enough for your assistance. We are so happy we would like to begin BioSuperfood for ourselves.

With gratitude,
W. S. and G. S.

Elsa, a 10 year old Rottweiler who weighs about 80 #, was taken to see her vet for a rash and routine care. Her doctor suggested a blood test because of her age, to see how she was doing overall. Her tests came back good, except for slight **anemia**. Further testing showed that her **red blood cells were not regenerating** and the count was down a little further. The possibilities are leukemia, other cancers **IMHA/AIHA**, all things with a very poor prognosis. She was been found to have a non-regenerative anemia, the cause of which is unknown. She will be seeing a specialist for a consult next week.

I found the Optimum Choices website and although I did not believe BioPreparation would make a difference, it has. I started 3 weeks ago with BioPreparation-F3+, gradually increasing her dosage from 1/2 capsule 2x/day to 1 capsule 3x/day. The results have been very good. Elsa's **tongue and gums have become much pinker and she is moving around with much greater ease**. She has **more energy and wants to go outside for walks and to explore**. She is **playful**

again and is sleeping better. Overall, her energy is way up, her coat looks better, her condition appears to be improving. I will be continuing with your product.

*Her alternatives would probably be a chemo agent, **Prednisone** to suppress her immune system (a **Band Aid at best and it doesn't really make sense to suppress immune system**, but that's what is out there). And her **arthritis is improving without the use of Rimadyl**, which I also hesitate to use.*

*Thank you, Optimum Choices for helping my girl. Your website has excellent information on pet food and the [BioPreparation](#) product has amazed me. **I had no hope, now I see my girl improving every day.** I will continue her on your products.*

—N.R.

*Nino is doing so well—he's back to his normal weight (65 lbs.) and his spirit and vitality are right back to where he was pre-diagnosis (IMHA). **I truly attribute his success in healing to the brilliant product, BioPreparation**, you provided.*

*I have him on 5 mg. of Prednisone every other day, and I am giving him one capsule of each formula of BioPreparation (one AM one PM). His **blood levels as of last test were great—48% red blood cell count and his coagulating rates were perfect**, too (he cut his gum after chewing to aggressively on a treat, so I took him to the ER and they ran a **full blood panel and it came back with perfectly healthy results**).*



*Nino's weight has been holding and **his energy is that of a puppy—full of life and joy.** Every time I look at him, **I feel blessed that he was able to rebound from his perilous (IMHA) condition.** Again, I thank you, Russell, for your assistance during what was for Nino and me a very difficult time.*

*From the bottom of my heart, I send you my utmost gratitude. Nino's return to health was the **best Christmas present I have ever received.***

*Best regards,
Robb Horen
www.dogsavvy.com*

My Cairn Terrier Rocky was diagnosed with IMHA on 10th January 2009. She was prescribed Prednisone & Azathioprine together with Antepsin.

Her PVC fell as low as 9 and on 30th January the vet said there was nothing more she could do for her and recommended putting Rocky to sleep (at this stage Rocky was not eating and could hardly stand up).

I searched the internet and eventually found the BioPreparation website (<http://www.optimumchoices.com/>). ...The capsules arrived on 4th February and Rocky has been having 1/2 capsule 4 times per day (dissolved in 5ml water & squirted into her mouth with a syringe). I also stopped giving her the drugs prescribed by the vet as these were having no beneficial effect whatever.

I could see an improvement within a day— she was brighter & trying to stand up.

Seven days later she is now trotting round the house, playing with her toys and eating well. Her gums are pink once more and she is well on the road to recovery.

*I can't recommend BioPreparation highly enough - **Rocky wouldn't have survived without it.**
—DD (U.K.)*

*My 8 year old standard poodle had a **PCV of 7** when she was diagnosed with AIHA last October—and thanks to BioPreparation is now fitter and weller than ever. She received blood transfusions, and suffered the awfulness of Pred and azothiaprine, which together made her **so weak she couldn't move, her hair fell out...** It was awful... But as we weaned her off the drugs, and introduced the BioPreparation-f3+, she started to improve. It was a long slow haul, but I am **convinced that the BioPreparation is what kick started her body to work again properly.** She will be taking it forever now! I can't believe how well she is now.
—Sasha (London)*

*Hi, this is Philo's mommy and just wanted to let you know that he is **doing unbelievably great.** My poor baby went through a lot and honestly I don't think his little body could have taken it if it wasn't for the great nutrients BioPreparation provides.*

*Up until Sunday, August 16th, his **blood count had dropped to 10** and the doctor was administering **Oxyglobin** (two transfusions were done prior). He needed a third transfusion but nothing was certain. Six days before (Aug. 10th) when my doggie got diagnosed with IMHA I had no idea what to do or what that disease was like. Went on the Internet for several hours and thank goodness I was able to find your website and educate myself. After reading everything I said to myself what do I have to lose and ordered a bottle. By Wednesday, Aug 13th, Phillo had already gotten his second blood transfusion but was still peeing a lot of blood. After I administered BioPreparation (1.5 capsules split in 2 doses) his **pee immediately (1 hour later) went to orange, then green and now a healthy light yellow.** We were all stunned. Unfortunately*

the destruction of blood cells was so much that we needed to buy time until all meds start kicking in so we went ahead with the third transfusion. His PCV went to 26, 27, 24, 18. But the encouragement we got was that he was **acting a lot more alert, eating on his own, peeing normally, playing with his toys, barking, kissing us non-stop and that spark in his eyes was back.** The doctors were very surprised by how fast he was recouping. His condition was critical and in a few occasions **he was on the verge of dying.** The doctor also told me she was very surprised by how, with such poor eating and after 3 transfusions, his vital organs were not damaged in any way.

By Thursday, Aug. 20th, his PCV was 25 and the doctors agreed that if it kept going up or stayed the same he could come back home the next day. On Friday, Aug. 21st, his PCV was at 28 and we were soooooo happy because we could finally bring our little man back home. Took him to the vet yesterday, Aug. 22nd, and his **PCV was at 31!!!**

He still is on medication, but BioPreparation truly gave the nutrients Philo needed to pull through and heal. **Everyone at the hospital was amazed on how quickly he responded when he only had a 50/50 chance.** The dosage of antibiotics will eventually decrease/taken away but **BioPreparation will ALWAYS be in Philito's life.**

If you are reading this while you are trying to find something that will make your puppy get/feel better, do not hesitate. This **whole food product is really ahead of its time and it works WONDERS.**

THANK YOU VERY MUCH
Philo and his Mom



My dog Sarah (Brussels Griffon, 4 years old about 12 pounds) was diagnosed with IMHA two weeks ago. Still eats well. Has had two blood transfusions and is on two medications: Prednisolone and Azithropine. **Blood Level at onset was 11.** Two weeks later it went as high as 27 and last check it was 23. Sarah has been on BioPreparation for a month now. She has also been on vet prescribed auto immune suppressant. I have been giving her one pill a day and her **blood level increased to 47.** She now has increase in her Liver function test. Vet has taken her off of one of the suppressants and I will be increasing her BioPreparation to 2 a day. I just want to say **THANK YOU** as if I did not find your site on line I do not believe that my pup would be here today. Everyday we learn something new about IMHA and how bad it is. I know that we are still up for a long battle. Just wanted to say thank you again!!!!

S.R. & M.R., New Hampshire

New Paradigm in Holistic Care

How did a nutritional whole food product accomplish all this?—it did not. BioPreparation contains four microalgae, that synergistically supplies super nutrients to the body at the cellular level (microalgae are one-celled organisms) rather than trying to “fix” the red blood cells, bone marrow and immune system with a specific drug or a supplement. BioPreparation simply supplied the body with the super nutrients of Vitamin A, B-complex, C, D, E and K, essential fatty acids of Omega 3, Omega 6, Omega 9, Gamma Linoleic Acid (GLA content is similar to early mother's milk), Alpha-Linolenic Acids (ALAs), Dihomogamma-Linolenic Acid (DGLA), Docosahexaenoic acid (DHA) and more fatty acids, over 4,000 enzymes, 10 essential amino acids plus 10 more, all known trace minerals and elements, phytonutrients and thousands of other nutrients so the body could resume producing red blood cells normally. BioPreparation is not a solution for IMHA but a holistic way to activate the body's own natural ability to heal.

BioPreparation is such a revolutionary product (concept), it is 100 years ahead of its time (new paradigm). Now that is true holistic wellness!

These results are individual case studies. We cannot guarantee your results will be the same. Since each body responds differently to the super nutrition in BioPreparation/ BioSuperfood your results will be different. These statements have not been evaluated by the FDA. This information is not intended to diagnose, treat or cure any disease.

Frequently Asked Questions

How come my vet does not know about BioPreparation?

Vets do not have the [nutritional knowledge](#) to understand how nutritional products work. Vets are used to getting Material Safety Data Sheets (MSDS), FDA-approved double-blind placebo studies and color glossy dosage charts on how to use prescribed drugs and medicine. These cost thousands, if not hundreds of thousands, of dollars. Without this information, their level of comfort in using a new holistic product is not very high. For a short list of vets and doctors that do use BioPreparation and BioSuperfood, go to: [Vets-BioPreparation](#).

Are there any contraindications using BioPreparation with my vet prescribed drugs, vitamins, herbs and other supplements?

At this time, we know of **no known contraindications** using BioPreparation with any vitamin, herb, supplement, homeopathic remedy, other holistic products or drug. You eventually may be able to reduce other supplements because superfood products provide more vitamins, minerals, and enzymes. As this super nutrition wakes up your body, the intestines are cleansed and your body will become more efficient needing less nutrient supplementation.

It is not a good idea to start a cleansing program at the same time since superfoods are very cleansing themselves. Starting a colon-cleansing program or some detoxifying herbs at the same time as a superfood, could produce too much cleansing. With animals, it is not a good idea to introduce any new supplement at the same time as other dietary changes. Do one thing at a time to monitor the results.

Are there any side effects?

Drugs and supplements have side effects because one is giving isolated ingredients in large therapeutic doses to the body far in excess of what Nature intended it to receive. On the other hand, whole food products do not contain large therapeutic doses of any one ingredient but can cause unintended consequences (for example, detoxing symptoms). Excessive signs of detoxing (e.g., **increased thirst, lethargy, loss of appetite, change in digestion, rash, itching, outbreak of sores, abscesses, new lumps, vomiting, loose stools or diarrhea**) or **exacerbation of current symptoms (e.g., flu symptoms, tumors growing larger)** are not side effects but signs the body is responding to the new superfood. A rash is not a sign the body is “allergic” to the superfood but indicates the body is working hard to eliminate toxins. The reason for the rash is that the body (e.g., intestines, kidneys, liver) has not had time to boost up to 100% efficiency yet and therefore must push the toxins out the largest excretory organ of the body—the skin. Options include:

1. Stop taking the supplement all together.
2. Stop taking the supplement until the worsening symptoms go away. Then start taking the supplement again in a more gradual dosage (e.g., ½-1.0 capsule/day for first ten days).



3. Continue taking the supplement (or even increasing the dosage) to feed the body and process the healing crisis more aggressively.

It all depends on the animal's constitution. Obviously, if the symptoms are serious (e.g., diarrhea or vomiting) always consult a veterinarian. If an animal should get diarrhea, it is best to stop the product immediately until the animal's system stabilizes. It is dangerous for an animal to have diarrhea for too long since they can become dehydrated. Once the animal is back to normal, then start the product again, in smaller doses. Increase the dosage more gradually and wait 10 days between each increase.

Why is my pet's digestion affected?

Incomplete digestion, sluggish intestines and a clogged bowel are all conditions that will benefit from superfoods. However, the old plaque and gunk coating these organs must first be cleaned out. **Gas, bloating, loose stools or any change in bowel movements are a sign the body is cleaning out first.** Once this passes, the body will be able to absorb more nutrients from food and supplements and more efficiently eliminate wastes and toxins. **If a subject throws up after the first few introductions, it means too much superfood has been given too fast.** Follow the instructions above under side effects.

Why is BioPreparation not approved by the FDA as a cure for IMHA?

In order to advertise a supplement as a cure for any disease or symptom, manufacturers must have FDA-approved, scientific proof that their ingredients or product does exactly what they say it does. These double-blind placebo tests cost hundreds of thousands (even millions) of dollars. With a supplement, one can test individual ingredients for their effectiveness and dosages. With a whole food product like BioPreparation, with over 5,000 individual ingredients, this is a challenge. A true holistic product wakes up the body's own natural ability to heal, therefore, it technically is NOT the product (or individual ingredient) that is doing the healing. That is the fundamental difference between a [supplement](#) and a holistic [whole food product](#).

One claim BioSuperfood/BioPreparation can make is: **“A source of antioxidants for maintenance of good health.”**

Why is BioPreparation not in all the pet stores?

BioPreparation was first released in 2004 as a commercial nutrition product for pets. The manufacturer, BioNutrition in Canada, and its agent, BioAge in the U.S., do not have large advertising and marketing budgets like the large conglomerate drug companies. They have



chosen to distribute their revolutionary holistic products through caring healthcare professionals (e.g., doctors, vets, chiropractors, nutritionists) and dedicated holistic distributors (like Optimum Choices, LLC) who can explain that BioPreparation/BioSuperfood are not supplements and works differently than 95% of the bottles on the retail health food or vitamin store shelves. Through the wisdom of these holistic experts, the client can obtain maximum benefits for their pet.

How come you can't give me an exact dosage for my pet?

Each pet is an individual and the exact dosage needed to produce results depends on genetics, previous health history, vaccination status, quality of diet, lifestyle and many other factors.

With a supplement, one can isolate individual ingredients and run tests for their effectiveness of specific dosages. But a whole food product does not have therapeutic dosages of any one ingredient. The effects of a whole food product are seen in the overall benefits in ALL the body's systems not just one gland, organ or system. The benefits are better observed than allopathically measured.

How long will it take before I notice results?

Some animals respond almost immediately (i.e., 24–48 hours) to BioPreparation, while others might take several weeks, depending on their health condition and how soon the anemia condition was diagnosed. Some of the first noticeable signs this superfood is working are **increased energy, more alertness and better appetite**. A little later, one might notice **shinier, silkier coat, more affection, more playfulness and even pinker gums**.

Blood values usually take longer to improve. It takes 120 days for every red blood cell in the body to regenerate. In other words, a red blood cell born today will not die off and be rejuvenated until 120 days from now. If the body is 50% down on red blood cells, it will take 60 days to replenish that depleted 50%. If a body is down by 90%, it will take at least 108 days to replenish 90% of these red blood cells. What this tells us is the clinical signs of increased red blood cell production are slow to be measured. But that does not mean balancing of the glands and organs and rejuvenation of red blood cells is not going on within the body.

We have seen some improvement in blood values in as short a time as 24-48 hours. Normally, it takes 1-2 weeks for some blood cell improvement. It usually takes at least 3-4 weeks to see significant improvement. Remember, tests (e.g., blood) are the allopathic way of measuring how a drug or supplements work. Visible improvement in symptoms and observed overall benefits are the holistic way of measuring how a whole food product works. In our holistic opinion, if one can see external signs that the super nutrition in BioPreparation is working, then there is still hope (even though the clinical red blood cell count has not increased). Observations that the super nutrition is starting to work can be increased appetite, returning spark in the eyes, more alertness, more playfulness and pinker gums. All these signs will happen before any increase in red blood cells can be measured. We have seen, all too often, a recommendation to euthanize a dog when the red blood cell count gets below 10%. This is based on traditional veterinary experience from what they have observed when the blood count gets below 10%. Very few vets have seen an animal recover when the blood count gets in the 6-8% range. They simply state, "there is nothing more we can do." We have documented cases where the blood count is in the 6-8% range and the dogs are still alive today. We have seen things traditional vets have not.

Note: This information has not been evaluated by the FDA. These statements are not intended to diagnose, treat, prevent or cure any disease. Please see a qualified medical professional for proper diagnoses and any health care treatment.