

# WHY BIOTICS???

by Ronald L. Myers, CNC

I began my association with the food supplement industry in the spring of 1972. This year I celebrate thirty years of working in this industry in one context or another. Many of you know I worked exclusively with Standard Process Laboratories for over 15 years. In this issue of eBytes I will answer the question of WHY I am now associated with Biotics Research Corporation. The focus will be Biotics Research Corporation; their products and manufacturing processes.

## THE INTRODUCTION

I was first introduced to Biotics when I was in private practice as a Clinical Nutritionist in Northwestern Ohio. I had picked up a BRC (Biotics Research Corporation) catalog somewhere and was intrigued by the references to neonatal glandulars. I was familiar with glandular products and glandular therapy, but had never heard of a neonatal product. I decided to investigate so I telephoned Biotics and requested information. I received very convincing scientific data (1) of the efficacy of neonates compared to adult source glandular products. I began using the products and, based on patient results, became completely convinced. I should mention here that before I ever used a BRC product with patients I subjected them to independent laboratory analysis to insure they met label claims in all aspects and were free of contaminants. They passed with flying colors!

With BRC products you can be sure that what you "see" on the label is what you and your patients "get" in the product. Always free of contaminants of any kind; parasites, heavy metals, pathogenic organisms, etc.

## WHO IS BIOTICS--

Let's begin by looking at the history of the company. As the name suggests, Biotics started out as a research company. You probably remember the Love Canal in New York state and the health concerns for the people who lived there a few decades ago. Homes had been built over an old toxic waste dump. After people had lived there for a while, they began developing serious health problems. Biotics had (and still has) a portable, CDC licensed genetic toxicology laboratory capable of assessing chromosomal damage. The EPA called Biotics and asked them if they would take this lab to the area and do an assessment. They did and the rest is history.

About 25 years ago, Biotics decided to begin manufacturing food supplements. True to their name, *research* is a major part of the manufacturing process. Two slogans that Biotics uses that speak volumes about how they do things are: *Innovators not Imitators* and *The Best of Science and Nature*. Let's consider a few of the Innovations BRC has made available to U.S. Health care providers.

**FIRST** to produce vitamin A and E in emulsified form for the American market. These are true emulsions, not micelles. Because of this they are absorbed by the lymphatics not the portal vein. They are produced with natural botanical emulsifiers not Polysorbate 80, which is an industrial surfactant (detergent).

**FIRST** with glandulars produced from neo-natal animals. These are certified BSE free. There are many advantages to neo-natal glandulars. First of all, the age and HEALTH of the animal is known. With adult source glands obtained from a gland vender (or a slaughter house), age and health cannot be ascertained. Glands are collected from many different sources (different animals, different ages, various degrees of health from many different slaughter houses, etc.)

Because BRC glands are from newborn animals, they can be processed completely different from their adult counterparts. No salt extraction, no harsh organic solvents, no freeze drying is needed. (*See eBytes Issue 3 for more on glandular processing*)

Other benefits of neo-natal glands include; optimum organ reserve (4 - 10 times greater than necessary to sustain life). They are capable of providing the known and unknown (but important) specialized nutritional and biochemical requirements of the target tissues. Unlike adult source glands, these have not accumulated the effects of aging and environmental exposure. Unlike adult tissues, these are in a state of anabolic growth.

Dr. Bill Ellis said his testing of neo-natal glandulars showed them to be 3 - 5 times as effective as their adult source counterparts. (*Cytozyme line of products*)

**FIRST** to introduce Coenzyme Q10 in a tableted, emulsified form in the U. S. market. To date, this is still the only emulsified Co Q supplement in the world. This is grade number 1, Japanese Coenzyme Q10, the best in the world. It makes sense to emulsify Co Q, it is a lipophilic nutrient. Research has shown that 30mg of BRC emulsified Co Q reflects serum levels equivalent to 100mg of the dry form. Co Q is not an inexpensive nutrient where ever you get it, why not give your patients more for their money. (*Co Q Zyme Forte/Co Q Zyme 30*)

**FIRST** with a tableting base made of vegetable culture concentrates. What this means is BRC does not use fillers. This is a LIVING-tableting base. It has many side *benefits*. Among them are high levels of antioxidant enzymes superoxide dismutase and catalase, along with many other biologically active enzymes, metabolic intermediates and trace elements. The natural fibers in the tableting base becomes a natural tablet disintegrant, ensuring rapid and complete delivery of nutrients to the digestive tract.

**FIRST** to introduce the trace minerals germanium, molybdenum, vanadium, lithium, rubidium. (*Mo Zyme/Mo Zyme Forte; V Zyme; Li Zyme/Li Zyme Forte; RB Zyme*)

**FIRST** to introduce *yeast-free*, vegetable culture chromium and selenium. (*Aqueous Chromium; CR Zyme; Aqueous Selenium; Se Zyme/Se Zyme Forte*)

**FIRST** with SOD sublingual drops.

**FIRST** to introduce methyl donors and acceptors in a vegetable culture base (*OOrganic15*).

**FIRST** to introduce SOD as a food supplement. (*Dismuzyme line of products*)

**FIRST** to formulate SOD with Catalase.

**FIRST** with a 6000 unit Octacosanol tablet. This translates to 6mg per tablet. Octacosanol facilitates increased oxygen use by nerve and muscle tissues. (*Bioctasol Forte*)

**FIRST** to have oral forms of interferon.

**FIRST** to introduce Gamma Oryzanol to the American market. This is an IGF-1 precursor. Clinically, it has been found to work as a universal hormone precursor. (*Gammanol Forte w/FRAC*)

**FIRST** to research, develop and introduce water-soluble free trans-ferulic acid "FRAC".

BRC provides a line of USP pharmaceutically pure, pyrogen free, grade number 1, free form amino acids. These are not hydrolyzed amino acids. The benefit of this is no possibility of allergy or sensitivity, because there is no source material, these are natural biological ferments. In today's world, with people suffering from allergies to anything and everything, this is significant.

The BRC product line is not loaded with yeast, salt or soy components. Over 75% of BRC products are usable by vegetarians.

I am convinced that the scientists at Biotics Research Corporation are truly *Innovators not Imitators*.

### *The Best of Science and Nature*

Before Biotics ever made their first emulsified nutrient, they **researched** how various fat-soluble nutrients occur in *nature*. They found they are in an emulsified form. The usual particle size is 0.5 microns. Since fat-soluble nutrients occur in *nature* in an emulsified state, Biotics decided to emulsify the fat-soluble nutrients they provide. They use natural botanical emulsifiers capable of producing a particle size of 0.5 microns, the same particle size found in *natures* emulsions.

Some years ago, BRC planned to make a spirulina product. The worlds leading expert on spirulina was at the University of Texas at Austin. After consulting with him and **researching** spirulina for two years, work on the project was discontinued. BRC decided against producing a spirulina product for the following reason; spirulina is a microorganism, as such, it grows where other microorganisms grow, some of which are not conducive to human health.

What they really wanted to produce was a porphyrin product (capable of complexing divalent metals), which they found they could do from non-aquatic plant life. This solved the problem of possible microorganism contamination. (*PorphyraZyme*)

Mineral supplements provided by BRC are vegetable culture in nature. Minerals are introduced into the cultures under controlled conditions that allow their incorporation into the living plant matrix. These are truly organic minerals that the body recognizes as FOOD. The vegetable culture process used in producing mineral supplements and for use as a tableting base is unique in the food supplement industry.

Much of the vitamin C in the marketplace today is oxidized. This makes it totally useless as an antioxidant. Vitamin C contained in food is reduced. This is the only form of Vitamin C provided by BRC, a potent immune system supporter and antioxidant.

Biotics Research Corporation is a food supplement manufacturer you can rely on. Several independent analyses of their products have shown they always meet or exceed labels claims regarding milligrams per tablet and class of nutrient, and they are contaminant free. They provide *reproducible results* when used in the correct application.

Biotics Research Corporation products are light years ahead of anything else in the marketplace today.

*(For more information on glandulars see eBytes Issue 3, for more information on Biotics processing methods see eBytes Issue 9)*

(1) (A copy of the article on Neonatal Glandulars referred to in this Issue will be mailed to you on request from Viotron International, Ltd.)

**Available from Viotron International, Ltd  
(800) 437-1298**