Eniva Research Group

Research Initiative: In Vitro Dissolution Assay of the Eniva VIBE™ Nutraceutical (2005)

To Whom It May Concern:

The Eniva Corporation and Eniva Research Group take great pride and care in the formulation and manufacturing of its wellness products. We are dedicated to producing products that are safe, quality driven, effective, and innovative. To accomplish this, we subject our products and the product development process to serious review and rigorous testing.

This letter explains the results and rationale behind the dissolution testing of the Eniva VIBE product as per US Pharmacopeia standards.

As the majority of nutritional supplements do not undergo the same rigorous pharmacokinetic testing as pharmaceutical drugs, there has long been concern over the ability of dietary supplements to appropriately dissolve in the human digestive tract. A failure to do so would negate any potential benefit of the contents of that supplement.

To test this aspect of product performance, the US Pharmacopeia Committee of Revision developed set in vitro dissolution standards. These criteria were designed to test the ability of an orally dosed nutrient delivery system to disintegrate and dissolve in the human digestive tract, a necessary step before a contained nutrient could be absorbed and utilized by the body.

An independent pharmaceutical laboratory (IBC, Inc.) was selected by the Eniva Research Group to evaluate the dissolution ability of the Eniva VIBE product. The results of this assay are enclosed with this letter and summarized below.

Dissolution Results of the Eniva VIBE Nutraceutical per USP standards:

FULL DISINTEGRATION and DISSOLUTION WITHIN 60 SECONDS

The results of this assay reinforce the liquid nature and predigested state of the Eniva VIBE product.

Respectfully,

The Eniva Research Group

INTEGRATED BIOMOLECULE CORPORATION

IBC Labs

Company: Eniva
Date: June 22, 2005

ANALYTICAL REPORT

Sample:	Lot Number:
Vibe	**20013905**

Product Name	Dissolution Time USP 24 <711>	Dissolution through 40 mesh at 2 hr. end point
Vibe	<60 sec	100%

Analysis performed by USP 24 <711> dissolution method in neutral buffered saline (1mM) @ 37°C with constant agitation in 40 mesh stainless steel baskets. End point determination of 12 hr. used to determine maximal solubility for residual solid calculation.

Note: At the end of the recommended USP dissolution time of 2 hrs., the product was considered fully dissolved. The percent of dissolution observed is recorded as the amount of product that passed through the dissolution basket. The product was 100 percent dissolved in a time of less than one minute.