



Date: December, 2007

Study Purpose:

To demonstrate no presence of dietary Vitamin K1 in the Eniva VIBE Original and VIBE 2.0 nutraceuticals.

Background information:

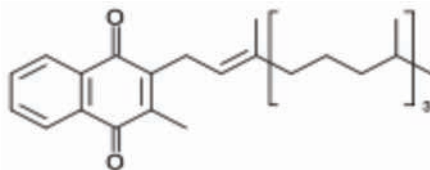
Vitamin K denotes a group of lipophilic (fat-soluble) and hydrophobic vitamins that are needed for the post translational modification of certain proteins, especially those required for blood coagulation (blood clotting). Vitamin K1 is found in dietary sources and vitamin K2 is produced by bacteria found in the gut of the human body. Vitamin K is specifically involved in blood coagulation factors II, VII, IX, X and proteins C, S and Z. These are necessary for proper blood clotting mechanisms to occur.

Of important note is the fact that several individuals around the globe with cardiovascular challenges use anti-coagulation medications (blood thinners). Many of these medications, such as Coumadin/Warfarin, work via the inhibition of a vitamin K-dependent process as it relates to the above listed Factors. As such, these individuals should avoid additional intake of dietary sourced Vitamin K, including dietary supplements.

As various nutritional supplements contain fruit and vegetable extracts which may contain inadvertent vitamin K, manufacturers of dietary supplements have a duty to specifically test and quantify the amount of vitamin K in their products. This is especially true for those who claim zero content vitamin K in their Supplement Facts panel.

Study Design:

The Eniva VIBE Original and VIBE 2.0 nutraceuticals were sent for third-party independent analysis via High Performance Liquid Chromatography (HPLC) for evaluation of the presence of dietary vitamin K1, phylloquinone:



Results:

No vitamin K₁* was detected within the Eniva VIBE Original and the VIBE 2.0 nutraceuticals.

Sample ID	Project ID	Concentration (µg/mL) Vitamin K ₁
VIBE Original 217301	07-4193	BQL*
VIBE 2.0 230400	07-4194	BQL*

*BQL: Below Quantitation Limit (0.05 µg/mL for Vitamin K₁).

(Please see attached actual third-party laboratory data sheet.)

Discussion:

The Eniva VIBE Original and VIBE 2.0 nutraceuticals were specifically formulated to have an absence of Vitamin K due to its interaction with blood thinning medication. This testing result is a demonstration of specific formulation design. This result can be useful for health care practitioners who seek to recommend a daily multi-nutrient supplement, but who also desire to avoid increasing dietary vitamin K intake due to concerns over interference with Vitamin K dependent anti-coagulation medications (such as Coumadin/Warfarin).

As consumption of a daily multi-nutrient supplement is recommended by several governing scientific and nutritional bodies, health care practitioners need be aware of those supplements which contain or do not contain vitamin K and relate this information to specific patient populations for optimized care.



Brunswick Laboratories, LLC.
Analytical Data Report

Client: Eniva Corp.
BL Batch No. B-6913c

Sample ID	Brunswick ID	Concentration ($\mu\text{g/mL}$)			
		Vitamin B ₁₂	Vitamin H	Folic acid	Vitamin K ₁
Vibe Original 217301	07-4193	BQL*	8.54	14.8	BQL
Vibe 2.0 230400	07-4194	—	—	—	BQL

* Below Quantitation Limit (0.50 $\mu\text{g/mL}$ for Vitamin B₁₂ & 0.05 $\mu\text{g/mL}$ for Vitamin K₁).
LC-MS Run Series: 06917080 & 081.

Analysis Performed By:

Technician on File

12/18/07
Date

Approved By:

Signature on File

12/18/07
Date