



# Commitment to Research

Polyphenols: A New Frontier  
in Nutrigenomic Discovery\*



\*These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure or prevent any disease.

## COMMITMENT TO RESEARCH

Pure Encapsulations is dedicated to advancing the research and clinical applications of dietary supplements in health and wellness. Current research initiatives span the areas of metabolic, cardiovascular, neurological, cognitive health and more. Pure Encapsulations collaborates with leading researchers worldwide in an effort to identify novel cellular targets and mechanisms, specifically those that influence health outcomes at the genomic level.\*

### ***Polyphenols: A Link Between Diet and the Genome***

Epidemiological and clinical studies have ascribed important health benefits of fruits and vegetables to a class of compounds known as polyphenols. Highly prevalent in the botanical pharmacopoeia, polyphenols are the active constituents of green tea, pine bark, grape seed, pomegranate, turmeric, and berries. The most clinically valuable polyphenols include flavonoids such as quercetin and proanthocyanidins, stilbenes such as resveratrol, and atypical phenolics such as ellagitannins and curcuminoids. In addition to their unrivalled antioxidant potency, these compounds orchestrate healthy cellular communication, signal transduction and gene expression to support nearly every aspect of health.<sup>1</sup> Leading a new frontier in nutrigenomics research is an intense focus on genomic and cellular signaling targets of these powerful compounds. Pure Encapsulations is committed to discovering new mechanisms and applications of polyphenols to develop evidence-based products for nearly every medical specialty.\*



## PURE ENCAPSULATIONS AND INAF

Polyphenol research demands the most current methods, technologies and expertise in molecular and clinical pharmacology. A comprehensive research collaboration with the Institute of Nutraceuticals and Functional Foods (INAF) based at Université Laval, Quebec, Canada, has brought these capabilities to Pure Encapsulations' ongoing research projects. INAF is one of the largest research centers in the world dedicated to advancing knowledge surrounding the complex interfaces between functional food ingredients and health. Led by world-class scientists and equipped with the most advanced biomedical research technologies, INAF continues to help elucidate and develop the molecular and clinical pharmacological applications of Pure Encapsulations' proprietary polyphenol blends in the area of cardiometabolic health and longevity. This endeavor has led to a growing platform of Pure Encapsulations products based on these strategic combinations.\*



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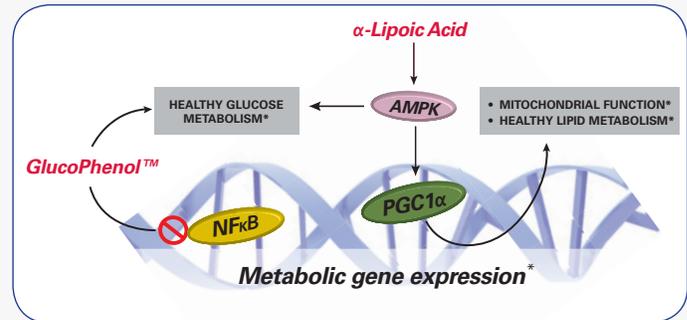
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# NOVEL POLYPHENOL BLENDS: GLUCOPHENOL™

<b>Constituents:</b>	Orléans strawberry ( <i>Fragaria vesca</i> var Orléans) extract (fruit) Cranberry ( <i>Vaccinium macrocarpon</i> ) extract (fruit)
<b>Major phenolic constituents:</b>	Anthocyanins, proanthocyanidins (PAC), quercetin, catechins, ellagic acid, ellagitannins, low-molecular weight phenolics
<b>Molecular pharmacology:</b>	Modulates NFκB* Supports glucose uptake by skeletal muscle*
<b>Clinical applications:</b>	Glucose homeostasis* Cardiovascular health*
<b>Products:</b>	Alpha Lipoic Acid w/GlucoPhenol™ PureLean® Pure Pack

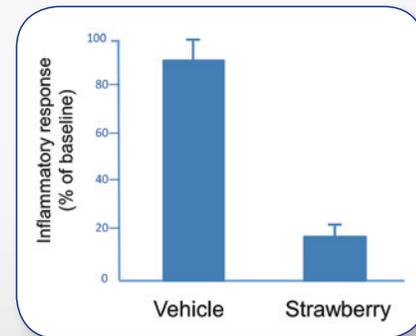
Alpha lipoic acid and polyphenols exhibit potentially cooperative mechanisms and comprise a scientifically innovative approach to maintaining cardiometabolic health. Cranberry and strawberry polyphenols, the constituents of GlucoPhenol™, help maintain healthy activity of nuclear factor kappa B (NFκB), a genomic factor that regulates genes involved in both inflammatory and glycemic responses (Figure 1).<sup>2</sup> Research has demonstrated that Orléans strawberry extract maintains cytokine balance in metabolically active liver cells (Figure 2) and glucose uptake by muscle cells in vitro (Figure 3). A double-blind, placebo-controlled study reported that daily alpha lipoic acid supplementation provided statistically significant support for both fasting and postprandial blood glucose.<sup>3\*</sup>

## Cardiometabolic Mechanisms of Alpha Lipoic Acid and GlucoPhenol™\*



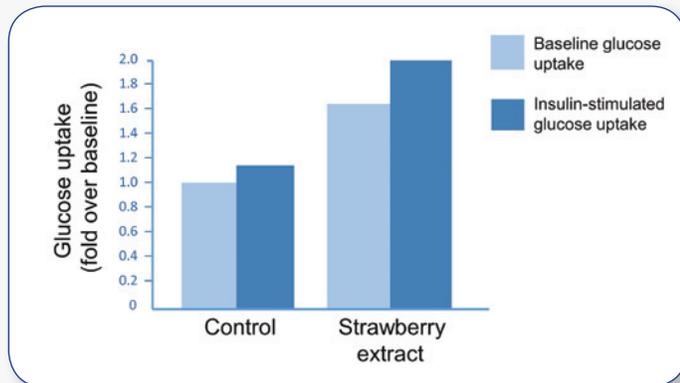
**Figure 1.** In fat and muscle cells, alpha lipoic acid targets the enzyme AMP kinase (AMPK), which activates a cellular receptor known as PGC-1α.<sup>4</sup> PGC-1α helps support healthy metabolism of both carbohydrates and fats. GlucoPhenol™ promotes healthy activity of NFκB to help maintain cardiometabolic balance.\*

## GlucoPhenol™ Strawberry Extract Supports Inflammatory Balance\*



**Figure 2.** Orléans strawberry extract maintains healthy cytokine balance in hepatocytes.\*

## GlucoPhenol™ Strawberry Extract Supports Healthy Glucose Uptake\*



**Figure 3.** Orléans strawberry extract directly supports glucose uptake into skeletal muscle cells after a 2 hour treatment.\*

## Alpha Lipoic Acid w/GlucoPhenol™

each vegetarian capsule contains  V 0

alpha lipoic acid (thioctic acid) .....200 mg  
 GlucoPhenol™ proprietary blend .....138 mg  
 providing:

25 mg of polyphenols from Orléans strawberry (*Fragaria vesca* var Orléans) extract (fruit) and cranberry (*Vaccinium macrocarpon*) extract (fruit) ascorbyl palmitate (fat-soluble vitamin C) .....5 mg  
 other ingredients: rice maltodextrin, magnesium hydroxide, hypo-allergenic plant fiber (cellulose), vegetarian capsule (cellulose, water)

1–4 capsules per day, in divided doses, with meals.

	quantity	order code
Alpha Lipoic Acid w/GlucoPhenol™	120	AGP1
	60	AGP6

GlucoPhenol™ is a trademark used by Pure Encapsulations under license.

## PureLean® Pure Pack

	quantity	order code
PureLean® Pure Pack	30 packets	PPPB3

See our [Product Listing](#) or visit [www.PureEncapsulations.com](http://www.PureEncapsulations.com) for the full ingredient listing for PureLean® Pure Pack.



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# NOVEL POLYPHENOL BLENDS: PHYTOLONGEVITY

**Constituents:** Cranberry (*Vaccinium macrocarpon*) extract (fruit)  
Orléans strawberry (*Fragaria vesca* var Orléans) extract (fruit)  
Wild Blueberry (*Vaccinium angustifolium*) extract (fruit)  
Spinach (*Spinacia oleracea*) extract (leaf)

**Major phenolic constituents:** PAC, anthocyanins, flavonoids, pterostilbene, ellagic acid, ellagitannins, low-molecular weight phenolics

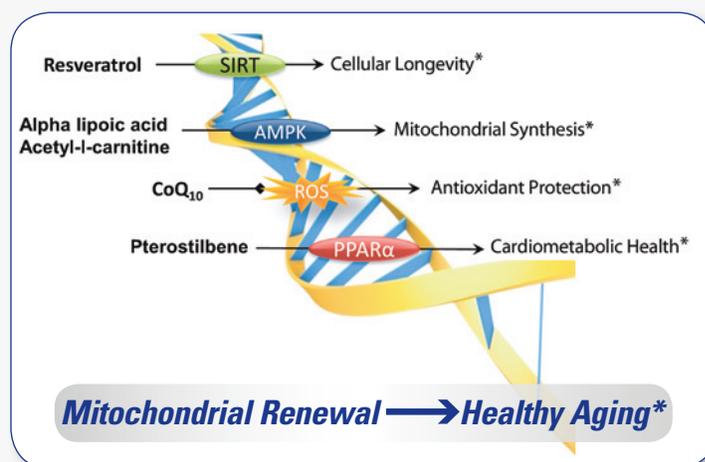
**Molecular pharmacology:** Modulates NF $\kappa$ B and prolyl endopeptidase (PEP) to support heart and brain health and healthy aging\*

**Clinical applications:** Cardiovascular health\*  
Neuroprotection\*  
Cognitive health\*  
Mitochondrial renewal\*

**Products:** RevitalAge™  
RevitalAge™ Ultra

PhytoLongevity delivers powerful antioxidant polyphenols that maintain healthy activity of NF $\kappa$ B, regulator of gene expression. Recent research shows that this unique polyphenol blend also maintains healthy activity of the neurotransmission regulator, PEP, which plays important roles in memory and learning.<sup>5</sup> PhytoLongevity is combined with the patented, scientifically researched combination of acetyl-l-carnitine<sup>†</sup>, alpha lipoic acid<sup>†</sup> and biotin<sup>†</sup>, used under license from Juvenon, Inc., to support youthful gene expression and enhance mitochondrial renewal to promote longevity.\*

## RevitalAge™ and RevitalAge™ Ultra Support Youthful Gene Expression\*



**Figure 4.** Resveratrol supports longevity by enhancing an epigenetic enzyme, SIRT1. It also works in concert with alpha lipoic acid and acetyl-l-carnitine to cooperatively support the synthesis of new mitochondria by promoting healthy activity of another enzyme known as AMP kinase (AMPK), a cellular longevity signal that directs a genetic program of mitochondrial renewal. Sustained-release CoQ<sub>10</sub> provides 24-hour antioxidant protection with complementary support for mitochondrial bioenergetics. Pterostilbene supports healthy activation of PPAR $\alpha$ , a genomic receptor involved in and cardiometabolic health.\*



<sup>†</sup>Under license from Juvenon Inc.

## RevitalAge™

three vegetarian capsules contain  v 00

biotin<sup>†</sup>..... 2 mg  
 acetyl-L-carnitine HCl<sup>†</sup> ..... 1,000 mg  
 alpha lipoic acid (thioctic acid)<sup>†</sup> ..... 400 mg  
 PhytoLongevity proprietary blend ..... 200 mg  
 providing cranberry (Vaccinium macrocarpon) extract (fruit), wild blueberry  
 (Vaccinium angustifolium) extract (fruit), Orléans strawberry (Fragaria vesca var Orléans)  
 extract (fruit) and spinach (Spinacia oleracea) extract (leaf)  
 other ingredients: maltodextrin, hypo-allergenic plant fiber (cellulose), vegetarian  
 capsule (cellulose, water)

**3 capsules daily, with meals.**

	quantity	order code
RevitalAge™	90	RJ9

<sup>†</sup> Under license from JuVenon® Inc.

## RevitalAge™ Ultra

three vegetarian capsules contain  v 00

biotin<sup>†</sup>..... 2 mg  
 acetyl-L-carnitine HCl<sup>†</sup> ..... 1,000 mg  
 alpha lipoic acid (thioctic acid)<sup>†</sup> ..... 400 mg  
 resVida® resveratrol (as trans-resveratrol)..... 30 mg  
 CoQ<sub>10</sub> (from MicroActive® Q<sub>10</sub>-cyclodextrin complex) ..... 30 mg  
 pterostilbene ..... 5 mg  
 PhytoLongevity proprietary blend ..... 200 mg  
 providing cranberry (Vaccinium macrocarpon) extract (fruit), wild blueberry  
 (Vaccinium angustifolium) extract (fruit), Orléans strawberry (Fragaria vesca var Orléans)  
 extract (fruit) and spinach (Spinacia oleracea) extract (leaf)  
 other ingredients: potato starch, maltodextrin, hypo-allergenic plant fiber (cellulose),  
 vegetarian capsule (cellulose, water)

**3 capsules daily, with meals.**

	quantity	order code
RevitalAge™ Ultra	90	RJU9

<sup>†</sup> Under license from JuVenon® Inc.



This product contains resVida®. resVida® is a registered trademark of DSM Nutritional Products, Inc.



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# NOVEL POLYPHENOL BLENDS: PHYTOMEMORY

**Constituents:** Orléans strawberry (*Fragaria vesca* var Orléans) extract (fruit)  
Wild blueberry (*Vaccinium angustifolium*) extract (fruit)  
Spinach (*Spinacia oleracea*) extract (leaf)

**Major phenolic constituents:** PAC, anthocyanins, quercetin, catechins, stilbenes, ellagic acid, ellagitannins

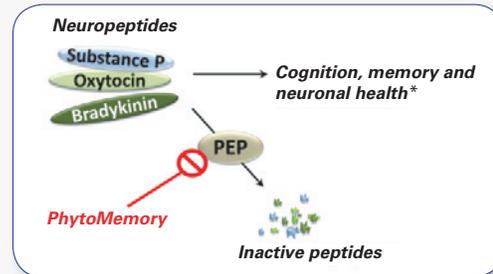
**Molecular pharmacology:** Maintains healthy PEP activity to protect brain neuropeptides involved in learning and memory\*

**Clinical applications:** Neuroprotection\*  
Cognitive performance\*

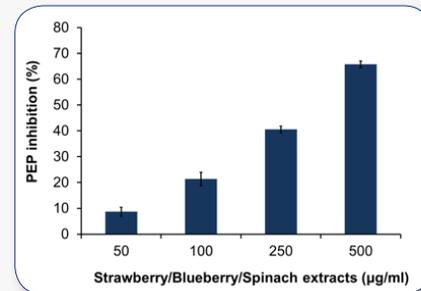
**Product:** PS Plus

PhytoMemory maintains the stability of neuropeptides that support brain health. PEP is an enzyme in the brain that degrades important neuropeptides such as oxytocin, bradykinin and substance P (Figure 5). These molecules are essential for cell communication in the central nervous system and the regulation of emotions, mental processing and neuroprotection. Accordingly, in vitro research has demonstrated that targeting PEP supports learning and memory.<sup>5</sup> PhytoMemory has recently been characterized as having the ability to maintain healthy PEP activity (Figure 6).<sup>11</sup> This polyphenol blend is combined with Sharp-PS® GREEN, a soy-free, sunflower lecithin-derived phosphatidylserine, the most abundant phospholipid in the brain, for all encompassing neurocognitive and memory support.\*

## Protection of Neuropeptides by PhytoMemory\*



**Figure 5.** PhytoMemory maintains the stability of neuropeptides that support brain health.\*



**Figure 6.** PhytoMemory maintains healthy activity of prolyl endopeptidase (PEP), a validated target for optimizing memory and learning ability.<sup>11\*</sup>

## PS Plus SOY-FREE

each vegetarian capsule contains v 00

Sharp-PS® GREEN phosphatidylserine ..... 150 mg  
(from sunflower lecithin) (soy-free)  
PhytoMemory proprietary blend ..... 150 mg  
providing wild blueberry (*Vaccinium angustifolium*) extract (fruit),  
Orléans strawberry (*Fragaria vesca* var Orléans) extract (fruit), and spinach  
(*Spinacia oleracea*) extract (leaf)  
ascorbyl palmitate (fat-soluble vitamin C) ..... 20 mg  
other ingredients: maltodextrin, cellulose, silicon dioxide, tricalcium phosphate,  
hypo-allergenic plant fiber (cellulose), vegetarian capsule (cellulose, water)

**1-2 capsules per day, with meals.**

	quantity	order code
PS Plus	60	PSP6

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# NOVEL POLYPHENOL BLENDS: PHYTOCARDIO

## PhytoCardio Maintains Healthy Activity of NFκB\*

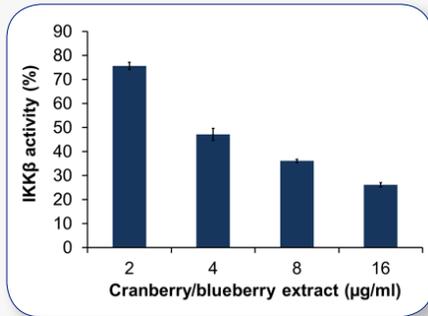


Figure 7. PhytoCardio modulates IKKβ activity in a dose-dependant manner.<sup>11\*</sup>

## Cardio-C

each vegetarian capsule contains  v 0

vitamin C (as PureWay-C®) .....270 mg  
 PhytoCardio proprietary blend .....80 mg  
 providing wild blueberry (*Vaccinium angustifolium*) extract (fruit), cranberry  
 (*Vaccinium macrocarpon*) extract (fruit)  
 pomegranate (*Punica granatum*) extract (whole fruit).....50 mg  
 (standardized to contain 40% punicosides)  
 ascorbyl palmitate (fat-soluble vitamin C).....10 mg  
 other ingredients: maltodextrin, rice bran wax, citrus bioflavonoids, hypo-allergenic plant  
 fiber (cellulose), vegetarian capsule (cellulose, water)

**1-4 capsules per day, in divided doses,  
 with or between meals.**

	quantity	order code
Cardio-C	180	CARC1

PureWay-C® is a registered trademark of Innovation Laboratories, Inc., and is used here under license. U.S. and International patents pending.



Constituents:	Cranberry ( <i>Vaccinium macrocarpon</i> ) extract (fruit) Wild blueberry ( <i>Vaccinium angustifolium</i> ) extract (fruit)
Major phenolic constituents:	PAC, anthocyanidins, quercetin, stilbenes, low-molecular weight phenolics
Molecular pharmacology:	Modulates NFκB
Clinical applications:	Cardioprotection* Vascular function*
Product:	Cardio-C

PhytoCardio supports healthy vascular cytokine balance by targeting NFκB. In endothelial cells, NFκB induces the expression of genes encoding interleukins, cyclooxygenase-2 and collagen proteases.<sup>2</sup> NFκB-mediated gene expression is dependent upon activation by a kinase, IKKβ. PhytoCardio has been shown to maintain healthy activity of IKKβ in vitro (Figure 7).<sup>11</sup> PureWay-C®, a rapidly absorbed form of vitamin C with enhanced retention, maintains healthy C-reactive protein (CRP) balance, microvascular function and lipid membrane antioxidant protection.\*

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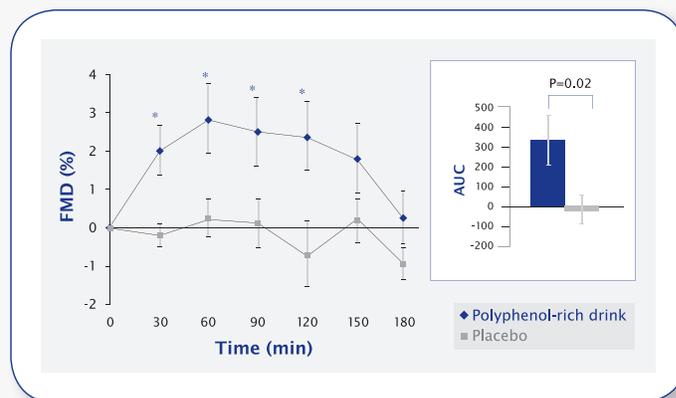
# NOVEL POLYPHENOL BLENDS: CRANLOAD™

<b>Constituents:</b>	Grape ( <i>Vitis vinifera</i> ) extract (seed) Cranberry ( <i>Vaccinium macrocarpon</i> ) extract (fruit)
<b>Major phenolic constituents:</b>	PAC, flavonoids, low-molecular weight phenolics
<b>Molecular pharmacology:</b>	Supports flow-mediated vasodilation via nitric oxide* Supports lactate clearance during exercise*
<b>Clinical applications:</b>	Athletic performance* Vascular function*
<b>Product:</b>	CranLoad™ Sport

CranLoad™ provides cranberry and grape seed extracts, which support the activity of nitric oxide synthase (NOS), the enzyme that generates nitric oxide, a powerful endogenous regulator of endothelial tone.<sup>6,7\*</sup>

In a pilot trial of elite athletes, consumption of a CranLoad™ containing beverage increased flow-mediated dilation (FMD), an indicator of blood flow measured by brachial artery diameter. Blood vessel diameter is a major determinant of nutrient delivery and lactate clearance. The increase in FMD was significant within 30 minutes and remained elevated for 2 hours (Figure 8). The peak increase in brachial artery diameter was similar to values found in a separate study examining the effects of high doses of L-arginine ranging from 3-21 grams. These data suggest that CranLoad™ and L-arginine may produce similar effects on blood flow.<sup>8\*</sup>

## CranLoad™ Promotes Dilation of Blood Vessels\*



**Figure 8.** Flow-mediated dilation (FMD) variation from baseline after intake of the polyphenol-rich drink and placebo; \*P<0.05 versus baseline and placebo at specified time points. The insert presents the area under the curve (AUC) of the change in FMD over time above baseline (time 0) values. The Y axis is in % min.\*

The effects of CranLoad™ on lactate dynamics were evaluated in a double-blind, placebo-controlled, pilot trial. Elite, high-profile athletes consumed CranLoad™ followed by a 3 km stationary cycling time trial. A significant decrease in blood lactate was evident relative to placebo (Table 1).\*

## CranLoad™ Promotes Enhanced Lactate Clearance\*

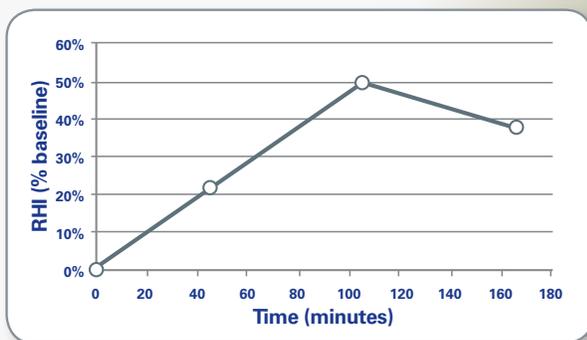
	CranLoad™	Placebo	% diff	P
<b>Lactate (mmol/L)</b>				
Post warm up	1.7 ± 0.5	2.4 ± 1.2	-30.1%	0.01
Post 3 km TT, 0 min	12.1 ± 1.4	13.1 ± 2.1	-7.9%	0.03
Post 3 km TT, 2.5 min	14.1 ± 0.8	14.8 ± 0.9	-4.8%	0.06
Post 3 km TT, 5 min	13.7 ± 0.7	14.1 ± 0.7	-2.5%	0.06

**Table 1.** A single dose of CranLoad™ produced a 30% reduction in blood lactate following warm-up, and maintained reductions of lactate accumulation throughout exercise.\*

Like cranberry and grape seed extracts, green tea is rich in polyphenols, particularly flavonoids of lower molecular weights compared to PAC. CranLoad™ Sport combines CranLoad™ with green tea extract, delivering an enhanced polyphenol content and 50 mg caffeine in a liquid-filled Caplique® Capsule. This combination supports energy, mental focus and cellular bioenergetics for peak performance.<sup>9,10</sup> In a human pilot study, a single dose of CranLoad™ Sport provided support for a healthy reactive hyperemia index (RHI), a measure of vasodilation. This beneficial effect was sustained over a 170-minute period (Figure 9).\*



### CranLoad™ Sport Promotes Dilation of Blood Vessels\*



**Figure 9.** A single dose of CranLoad™ Sport, a combination of CranLoad™ and polyphenol-rich green tea extract in a base of medium chain triglycerides (MCT), supports blood vessel dilation in human volunteers.\*



## CranLoad™ Sport

three Caplique® Capsules contain  v 00

CranLoad™ proprietary blend .....765 mg  
 providing cranberry (*Vaccinium macrocarpon*)  
 extract (fruit) and grape (*Vitis vinifera*) extract (seed)  
 green tea (*Camellia sinensis*) extract (leaves) .....250 mg  
 standardized to contain 20% caffeine.....50 mg  
 other ingredients: rice maltodextrin, magnesium hydroxide, medium chain triglycerides,  
 vegetarian Caplique® Capsule (cellulose, water)

**3 Caplique® Capsules per day, 30–60 minutes before a workout.**

	quantity	order code
CranLoad™ Sport	90	CLS9

CranLoad™ is a trademark used by Pure Encapsulations under license.

• **Caplique** Caplique® Capsule is a registered trademark used by Pure Encapsulations under license.

Each Caplique® Capsule is preserved with a nitrogen bubble, which may give the appearance of the capsule not being full. Contents may appear cloudy or thick and may settle or separate.

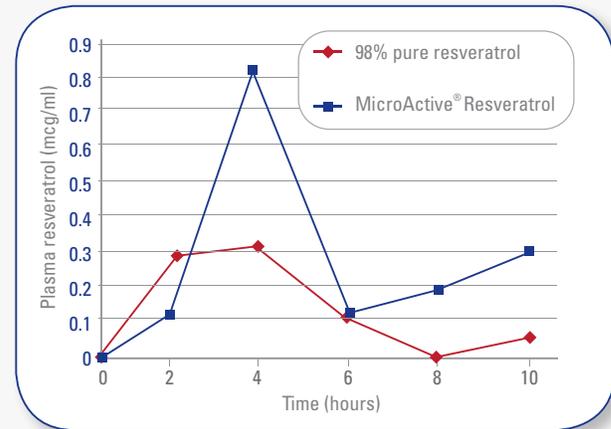
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# NOVEL POLYPHENOL BLENDS: RESCU-SR™ - WITH MICROACTIVE® TECHNOLOGY

Major phenolic constituents:	Resveratrol, curcuminoids
Molecular pharmacology:	Modulates gene expression to support longevity and antioxidant defenses*
Clinical applications:	Neurological health* Cardiovascular health* Cellular health*
Product:	ResCu-SR™

The MicroActive® system is a landmark innovation in polyphenol delivery technology that improves solubility, reduces particle size and improves absorption of the polyphenols. In collaboration with scientists specializing in this extensively researched platform, Pure Encapsulations has combined soluble, sustained-release resveratrol and micronized curcumin with superior bioavailability compared to standard formulations. In a human pilot study, a single dose of MicroActive® Resveratrol increased mean peak plasma resveratrol levels 2.5-fold greater than with an equivalent dose of 98% pure resveratrol. Plasma resveratrol concentration was 6-fold greater than pure resveratrol at 9 hours, indicating a sustained presence in plasma (Figure 10). In a separate human trial, MicroActive® Curcumin administered as a single dose resulted in a 30-fold greater mean peak plasma concentration than standard 95% curcumin (Figure 11). The combination of sustained-release MicroActive® Resveratrol and MicroActive® Curcumin is exclusive to Pure Encapsulations.\*

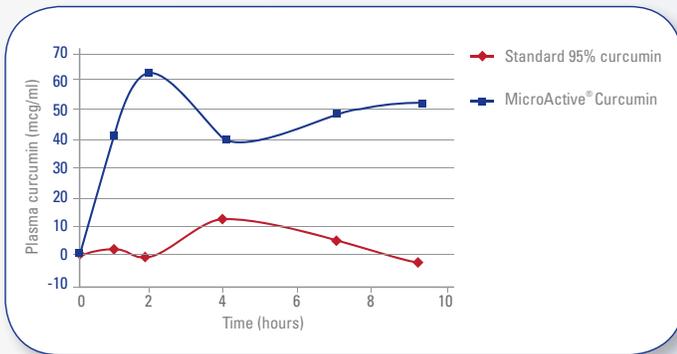
## Superior Bioavailability of MicroActive® Resveratrol Compared to 98% Resveratrol Control\*



**Figure 10.** In a human study, subjects received a single dose of either MicroActive® Resveratrol or an equivalent dose of 500 mg pure (98%) resveratrol (control). Peak plasma concentrations, AUC and duration in plasma were superior to control, and sustained release was evident over the 24-hour period.\*



**Superior Bioavailability of MicroActive® Curcumin Compared to a Standard Curcumin Control\***



**Figure 11.** In subjects who received MicroActive® Curcumin as a single dose equivalent to 250 mg curcumin, T<sub>max</sub> for MicroActive® Curcumin was 2 hours followed by sustained release for over 9 hours. C<sub>max</sub> for MicroActive® Curcumin was 30-fold greater than for curcumin (250 mg dose of total curcuminoids). AUC for MicroActive® Curcumin was 8.6-fold greater than curcumin.\*

**ResCu-SR™**

each vegetarian capsule contains  v 00

resveratrol ..... 100 mg  
(from MicroActive® Resveratrol sustained-release complex)

curcuminoids ..... 50 mg  
(from MicroActive® Curcumin sustained-release complex)

other ingredients: cellulose, silica, potato starch, carnauba wax, polysorbate 80, isopropyl myristate, sodium alginate, vegetarian capsule (cellulose, water)

**1-2 capsules daily, with meals.**

	quantity	order code
ResCu-SR™	60	RCSR6

The ResCu-SR™ trademark is used by Pure Encapsulations under license.



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## PUBLISHED AND ONGOING TRIALS

We are proud to support the efforts of universities, institutions and clinics worldwide in their rigorous pursuits to identify the role of dietary supplements in human health.\* Currently, we are supporting over 14 ongoing research studies. In addition, we have supported four previous trials that have since been published. These efforts involve an array of dietary supplements, including alpha lipoic acid, vitamin D, resveratrol, CoQ<sub>10</sub>, melatonin and others.

Product	Study Title	Institution
Alpha Lipoic Acid 600 mg	Alpha Lipoic Acid for chronic demyelinating polyneuropathy	School of Medicine, Department of Neurology, Oregon Health & Science University
Alpha Lipoic Acid 600 mg	Alpha Lipoic Acid for neuroprotection in secondary progressive MS	MS Center of Oregon, Oregon Health & Science University
Alpha Lipoic Acid 600 mg	Alpha Lipoic Acid as a treatment for acute optic neuritis	MS Center of Oregon, Oregon Health & Science University
Saw Palmetto 320 mg	Saw palmetto in men undergoing radiation therapy for prostate cancer	Michigan State University
Tri-EFA omega-3	Investigating the safety and efficacy of omega-3 fatty acids in the management of pediatric bipolar disorder	Pediatric Mood Disorder Clinic, Division of Childhood and Adolescent Psychiatry, Mayo Clinic
Acetyl-L-Carnitine and Alpha Lipoic Acid	The use of a mitochondrial enhancement treatment in bipolar disorder: a randomized, placebo-controlled trial of acetyl-l-carnitine and alpha lipoic acid in the treatment of bipolar disorder	Biological Psychiatry Laboratory, McLean Hospital
Coenzyme Q <sub>10</sub>	CoQ <sub>10</sub> in patients taking statins	National College of Naturopathic Medicine
Saccharomyces boulardii	Effect of the Probiotic Saccharomyces boulardii on Lipid Levels and Other Cardiovascular Biomarkers	National College of Natural Medicine
Pregnenolone 25 mg	An open-label study of pregnenolone for the treatment of autism	Department of Psychiatry & Behavioral Sciences, Stanford University
Resveratrol	The effect of polyphenols on lipid oxidation in humans	Maastricht University
Resveratrol	Ovarian dynamic response and the inflammatory response to oral lipid challenge in relation to body composition in polycystic ovary syndrome	Indiana School of Medicine
Vitamin D 5,000 iu	Cholecalciferol in the treatment of chronic low back pain	University of Washington and PeaceHealth Southwest Medical Center
Probiotic-5	Acceptability and feasibility of probiotic and prebiotic products in alleviating symptoms of lactose maldigestion in African Americans	Florida State University
IP6 (inositol hexaphosphate)	Phytic acid for treating alzheimer's disease: a randomized trial	University of Florida

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