# **Body Prime**



The power of Magnesium, helping you be ready for your day







### Introduction



### Elite Health is the pinnacle of wellness, where age does not dictate ability.

Scientifically, Elite Health is optimal metabolic function, the state in which all body systems are performing efficiently, which gives you the energy to see more, do more, and be more, no matter what stage of life you're in. Live without limitation with Elite Health from Synergy WorldWide.



Science-based, innovative propriety programs that holistically improve your total health, elevate your performance and unlock your true potential.







### **Elite Health is for Everyone**

Health is a continuum, and everyone is affected.









## Overview

The formula of Body Prime has simple ingredients that support cleansing and bowel motility to prime the body for an effective purification Program.

Benefits;

- Contributes to healthy electrolyte balance
- Contributes to natural energy metabolism
- Contributes to muscle function including the heart muscle
- Contributes to normal muscle contraction including normal heartbeat
- Can reduce tiredness and fatigue









Key Ingredients

Apple pectin Prune powder Magnesium









## **Using Body Prime**

90 Capsules
I capsule
2 capsules
4-6 capsules
2 capsules
None known
As desired

Dose form:Capsule to be swallowed with waterDirections:Best taken in the evening





## Scientific Research

prime<sup>I</sup> /prīm/



verb Past tense: **primed**; past participle: **primed** 

## I. make (something) ready for use or action, in particular.

## Prime = Prepare

- Prepares the body for any health regimen and for nutrient absorption
- Has a mild, progressive effect that won't interrupt regular activity
- Take 2 per day at any time of day, taking more than 2 may have a laxative effect





## Why Magnesium? Nutrition & Regularity



- Increase Bowel Motility/Regularity
- Contributes to:
  - Muscle Function, including the heart
  - Muscle Contraction, including normal heartbeat

## Energy & Exercise







- Can reduce tiredness and fatigue
- Contributes to:
  - Healthy electrolyte balance
  - Natural energy metabolism
- Muscle Function
- Muscle Contraction





## Body Prime Additional Magnesium studies

Digestive health is ranked as the #3 health concern among consumers today.

With new studies revealing the importance of digestive maintenance, an increasing number of people are looking for a supplement that will support the way their bodies regulate nutrients.

### THE ROLE OF MAGNESIUM IN HYPERTENSION AND CARDIOVASCULAR DISEASE



- Intake of 500 mg/d to 1000 mg/d may reduce blood pressure (BP) as much as 5.6/2.8 mm Hg.
- Preliminary evidence suggests that insulin sensitivity, hyperglycemia, diabetes mellitus, left ventricular hypertrophy, and dyslipidemia may be improved with increased magnesium intake.
- Magnesium acts as a natural calcium channel blocker, increases nitric oxide, improves endothelial dysfunction, and induces direct and indirect vasodilation.

J Clin Hypertens (Greenwich). 2011 Nov;13(11):843-7. doi: 10.1111/j.1751-7176.2011.00538.x. Epub 2011 Sep 26.





## Body Prime Additional Magnesium studies

NUTRITIONAL FACTORS IN THE PREVENTION AND MANAGEMENT OF CORONARY ARTERY DISEASE AND HEART FAILURE.

- Nutritional factors such as magnesium, folic acid, vitamins B12 and B6, L-arginine, and polyunsaturated fatty acids (PUFAs) beneficial for patients with coronary artery disease (CAD), and in the prevention and arresting the progression of Heart Failure and cardiac arrhythmias
- These nutrients closely interact with the metabolism of L-argininenitric oxide (NO) system

Nutrition. 2015 Feb;31(2):283-91



### RECOMMENDATIONS

Individuals at high risk for CAD, cardiac arrhythmias, and HF and those who have these diseases need to be screened for plasma levels of magnesium, folic acid, vitamins B12 and B6, L-arginine, NO, ADMA and correct their abnormalities to restore normal physiology.





## Body Prime F107 Clinical Study - Efficacy as a Laxative

### **Objectives of the Study:**

- To explore the efficacy of escalating doses of F107 for the maintenance of regularity of bowel function over a 2 week period
- To explore the safety/tolerability and acceptability of escalating doses of F107 with repeated use over a 2 week period by healthy subjects



### **Results:**

82% of subjects (9/11) have the positive response (increased bowel movements) to the dosing between 400 – 1200 mg Magnesium.

- Number of subject response to 2 capsules (400mg Mg): 4/11
- Number of subject response to 4 capsules (800mg Mg): 2/11
- Number of subject response to 6 capsules (1200mg Mg): 3/11







### Magnesium Overview

- Mg is a co-factor in over 300 enzyme systems involved in the regulation of blood pressure, energy production, muscle, nerve, brain function, DNA & RNA synthesis, bone, Etc.
- About 25 grams of Mg in the Adult body (50-60% in bone)
- RDI adult females = 320 mg; adult males = 420 mg

### People at risk for magnesium deficiency:

- Leaky gut and other GI conditions
- Type 2 diabetes
- Alcohol dependence
- Low mineral bone density
- People with migraines –
  600 mg per day for prevention
- Older adults

Clin Kidney J (2012) 5[Suppl 1]; i3-i14 doi: 10.1093/ndtplus/sfr163

CKJ

#### Magnesium basics

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Abstract

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Keywords: magnesium; physicochemical properties; physiological function; regulation; hypomognesiaemic; hypermagnesiaemia

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Physiological role of magnesium in the body

Source : https://ods.od.nih.gov/factsheets/Magnesium-HealthProfessional/





## We Produce Less Magnesium As We Age



Resnick, L. M. et al. Hypertension, 1997



## Magnesium Deficiency

### Early signs of magnesium deficiency include:

• loss of appetite, nausea, vomiting, fatigue, and weakness

### As magnesium deficiency worsens:

 numbness, tingling, muscle contractions and cramps, seizures, personality changes, abnormal heart rhythms, and coronary spasms can occur

### Severe magnesium deficiency can result in:

• hypocalcemia or hypokalemia (low serum calcium or potassium levels, respectively) because mineral homeostasis is disrupted

# Habitually low intakes of magnesium induce changes in biochemical pathways that can increase the risk of illness over time.

- hypertension and cardiovascular disease
- type 2 diabetes
- osteoporosis
- migraine headaches
- RDI adult females = 320 mg; adult males = 420 mg

### Magnesium – Overdose

5,000 mg/day Mg has been associated with toxicity



https://ods.od.nih.gov/factsheets/Magnesium-HealthProfessional/







### **Best Food sources of Magnesium**

	Mg per Serving	Percent
		DV
Almonds, dry roasted, 1 ounce	80	20
Spinach, boiled, ½ cup	78	20
Cashews, dry roasted, I ounce	74	19
Peanuts, oil roasted, ¼ cup	63	16
Cereal, shredded wheat, 2 large biscuits	61	15
Soymilk, plain or vanilla, 1 cup	61	15
Black beans, cooked, ½ cup	60	15
Edamame, shelled, cooked, ½ cup	50	13
Peanut butter, smooth, 2 tablespoons	49	12
Bread, whole wheat, 2 slices	46	12
Avocado, cubed, I cup	44	11
Potato, baked with skin, 3.5 ounces	43	11
Rice, brown, cooked, ½ cup	42	11
Yogurt, plain, low fat, 8 ounces	42	11

https://ods.od.nih.gov/factsheets/Magnesium-HealthProfessional/



## Why Body Prime uses Magnesium Oxide

### Study summary

- The magnesium content in food consumed in the Western world is steadily decreasing.
- We investigated the impact of supplemental oral magnesium citrate versus magnesium oxide on intracellular magnesium levels ([Mg2+]i) and platelet function in healthy subjects with no apparent heart disease.

### Results

- Oral magnesium oxide, rather than magnesium citrate:
  - significantly increased [Mg2+]
  - reduced total cholesterol and LDL cholesterol
- Both treatments similarly inhibited platelet aggregation in healthy subjects with no apparent heart disease.

Magnesium Research 2012; 25 (1): 28-39

ORIGINAL ARTICLE

Comparison of magnesium status using X-ray dispersion analysis following magnesium oxide and magnesium citrate treatment of healthy subjects<sup>\*</sup>

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## Study into Magnesium Supplementation for exercise recovery

### Study summary

 To investigate the effect of magnesium supplementation on systolic blood pressure whilst resting and during recovery from aerobic and resistance exercise and on performance

### Results

- The supplemented group, had a reduction in mean resting systolic Blood Pressure by 8.9 mmHg (115.125 ± 9.46 mmHg, p = 0.01) and post exercise by 13 mmHg (122.625 ± 9.88 mmHg, p = 0.01)
- Recovery Blood Pressure was 11.9 mmHg lower and Heart Rate decreased by 7 beats per minute



**Figure 1.** Mean resting systolic blood pressure change in the experimental and control groups split into high (≥300mg) and low (<300mg) magnesium intake subgroups between baseline and week 2.



## Benefits of a Healthy Gut For Sports and Fitness

- Better absorption of essential vitamins, minerals and proteins
- Improved elimination of toxins and waste
- Increased muscle mass
- Speeds up recovery rates
- Anti-inflammatory for joints

## **Enhanced Performance**





# **Body Prime**





