CONTROL
Supporting Glucose Metabolism & Insulin Sensitivity*

Control is a cutting-edge supplement meticulously formulated to optimize health and metabolic function. Within its innovative blend of ingredients, Control harnesses the power of scientific research to unlock the potential of the body’s intricate biochemistry. The synergistic blend combines MitoBurn®, GlucoVantage®, Factor21®, Bitter Melon Extract, InnoSlim®, Actiponin®, and CaloriBurn GP®, Control to revolutionize your patients’ well-being. Boasting Brown Adipose Tissue (BAT) conversion, thermogenesis activation, heightened insulin sensitivity and glucose utilization, enhanced glucose uptake, and AMPK activation, Control is designed to enhance energy expenditure, well-being, and vitality.

DEMOGRAPHIC & CLINICAL APPLICATIONS

<table>
<thead>
<tr>
<th>MEN &amp; WOMEN</th>
<th>PATIENTS REQUIRING</th>
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<tbody>
<tr>
<td>🏋️‍♀️</td>
<td>Metabolic/blood sugar protocols</td>
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<td>Weight management programs</td>
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<td>Cardiovascular protocols</td>
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<td>Protocols for long term brain health and/or longevity</td>
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BENEFITS

- Encourages Calorie Burn
- Promotes Leaner Body Composition
- Helps Regulate Metabolism
- Supports Healthy Blood Glucose Levels
- Assists in Preventing Weight Re-gain
- Reinforces Carbohydrate Tolerance

DIRECTIONS:
Take 3 capsules daily or as directed by your healthcare practitioner.

SUPPLEMENT FACTS

<table>
<thead>
<tr>
<th>Serving Size: 3 Capsules</th>
<th>Servings Per Container: 30</th>
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<tbody>
<tr>
<td>Amount Per Serving</td>
<td>%DV</td>
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<tr>
<td>MitoBurn® β-aminoisobutyric acid (β-AIBA)</td>
<td>500 mg *</td>
</tr>
<tr>
<td>Factor21® (Momordica charantia extract (fruit)</td>
<td>500 mg *</td>
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<tr>
<td>Berberine HCL</td>
<td>300 mg *</td>
</tr>
<tr>
<td>InnoSlim® (Achraspis aspersa and Panax notoginseng) Root Extracts</td>
<td>250 mg *</td>
</tr>
<tr>
<td>Actiponin® gynostemma pentaphyllum extract (leaf)</td>
<td>225 mg *</td>
</tr>
<tr>
<td>GlucoVantage® (Dihydrotanshinone)</td>
<td>200 mg *</td>
</tr>
<tr>
<td>CaloriBurn GP® Grains of Paradise seed extract (6% Paradol 10.5%)</td>
<td>40 mg *</td>
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* Daily Value Not Established

Other ingredients: Vegetable Capsule (Hypermellose, Gelatin Gum), Rice Powder, Microcrystalline Cellulose
INGREDIENTS

MITOBURN®

MitoBurn® (8-aminobutyric acid, L-BAIBA) known for activation of BAT via the same genetic influence as bitter melon extract and also for energy expenditure. It accomplishes this by activating the peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PGC-1α), a transcriptional coactivator that plays a key role in regulating energy metabolism and mitochondrial biogenesis.1 This activation occurs by way of AMPK, one of the various signaling pathways that regulate the shift from white to brown adipose tissue.

FACTOR 21®

Factor21® Bitter Melon Extract (Momordica charantia), is derived from bitter melon's effect on a hormone called Fibroblast growth factor 21 (FGF21). Specifically, bitter melon extract has been shown to activate the nuclear receptor peroxisome proliferator-activated receptor alpha (PPARα), which in turn leads to the activation of FGF21. Benefits of this activation include supporting insulin sensitivity and glucose tolerance. It has also been shown to support insulin sensitivity by increasing glucose uptake and utilization in cells. This is accomplished by activating AMP-activated protein kinase (AMPK) as well as by increasing the translocation of glucose transporter 4 (GLUT4) to the cell membrane. GLUT4 is responsible for transporting glucose from the blood into cells, and increasing its translocation to the cell membrane.2,3

GLUCOVANTAGE®

Glucovantage® (Dihydroberberine), a chemical analog of berberine, has also been shown to support healthy insulin sensitivity levels by activating AMPK and supporting glucose uptake and utilization in muscle cells. Dihydroberberine is a new version of traditional berberine that is up to 5x more bioavailable/absorbable and 2x longer lasting (8 hours vs. 4 hours).4 It can also help with advanced glycation end products correlated with aging while supporting blood glucose disposal and improving insulin sensitivity and body composition. Plus, berberine in itself holds potential in supporting metabolism via its effect on the microbiota.5

INNOSLIM®

InnoSlim®, a combination of Astragalus membranaceus and Panax notoginseng, has also been shown to activate AMPK as well as increase the level of a key hormone called adiponectin, which is linked to higher levels of insulin sensitivity and supporting healthy glucose metabolism.6 Additionally, it was found that InnoSlim® reduces glucose absorption in the intestine by 42% by down regulating the SGLT1 transporter and increases glucose absorption in muscle and fat cells by 50% and 68% by up regulating GLUT4 transporter.7,8

Actiponin®

Actiponin®, activates the AMP-activated protein kinase (AMPK), an important intracellular sensor and regulator of glucose metabolism, lipid metabolism, and energy metabolism throughout the body. When activated, this powerful enzyme switches on catabolic ATP-generating pathways like fatty acid 13-oxidation, glycolysis, and glucose uptake (processes that normally occur during intensive exercise or prolonged starvation) and switches off anabolic ATP-consuming pathways like fatty acid and cholesterol synthesis.9

CALORIBURN®

CaloriBurn GP®, a grains of paradise extract containing 6-paradol, has been shown to activate BAT and promote thermogenesis, leading to increased energy expenditure and improved metabolic health. Brown adipose tissue (BAT) is a specialized type of fat tissue that is involved in thermogenesis, or the generation of heat, leading to increased energy expenditure and improved glucose and lipid metabolism.
REFERENCES


