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META PRO is an innovative blend of plants, minerals, and key nutrients to support and enhance metabolic function and lipid metabolism. This exclusive formula has harnessed the benefits of natural ingredients shown to support energy production, thermogenesis, and overall homeostasis.

META PRO contains:

- Artery (sus scrofa)
- ATP (adenosine triphosphate)
- Centella asiatica (whole plant)
- Citric Acid
- Colchicum autumnale (bulb)
- Iron (fumarate)
- Fumaric acid
- IGF
- Potassium (aspartate)
- L Carnitine
- Lactic acid
- Lipase
- Liver (sus scrofa)
- Lymph Node (sus scrofa)
- Sodium (oxalate & pyruvate)
- Pituitary (sus scrofa)
- Succinic acid
- Thyroid (sus scrofa)
- Vein (sus scrofa)
- Yohimbe bark extract

MOXIE: Adrenaline, cAMP, Coenzyme A, IGF, IL-10, Insulin, Kalium aceticum, Mamordica, Quinhydrone, Thyroidinum.

Benefits of META PRO - Botanical studies have demonstrated the following actions which are comparable to microdose actions. The following discussion, maybe used as a guideline to understanding the mechanisms of action.

Benefits

Enhances metabolic function

Increased dietary potassium may help reduce BMI and improve weight loss in those with metabolic syndrome¹. Potassium is typically low in the Western diet, and supplementation may improve blood pressure markers while also enhancing metabolic function. Lower levels of potassium have been associated with a higher risk of diabetes².

Lipase plays a major role in energy metabolism by hydrolyzing lipoproteins in order to release fatty acids for fuel.³

L-Carnitine transports long-chain fatty acids into the mitochondrial matrix where they can be broken down for energy, potentially boosting metabolism⁴.

Improves glucose metabolism

M. charantia appears to harbor anti-diabetic effects and insulin-like properties. It is shown to directly regulate blood glucose by regulating the amount of glucose absorption following a meal and also by stimulating glucose uptake into skeletal muscle cells, in a similar manner to insulin⁵. IGF-I, and insulin are known to improve glucose metabolism inducing an increase in glucose and amino acid uptake, which have provided the basis for their use by athletes to enhance performance⁶.

Iron is critical for supplying oxygen to muscle cells, and thus contributes to healthy glucose metabolism⁷.

Stimulates lipid metabolism

Hyperlipidemia is a condition in which excessive amounts of fatty substances are present in the blood, namely cholesterol, triglycerides, and lipoproteins. Centella asiatica is a herbal remedy and powerful antioxidant known to assist with lipid metabolism and cholesterol homeostasis by enhancing lecithin-cholesterol acyltransferase and HDL receptor scavengers⁸.

Coenzyme A facilitates the oxidation pathway to produce acetyl-coenzyme A, which is then required for initiating fatty acid production within the living cell. As acetyl-coenzyme A, it is one of five crucial coenzymes required in the citric acid cycle, the body's primary catabolic pathway, and is essential for the metabolism of carbohydrates, amino acids, and lipids⁹.

Supports energy production

Trace elements such as iron and copper play crucial roles as catalysts in enzyme systems, including energy metabolism. Iron is a constituent of hemoglobin and myoglobin and therefore vital for the transport of oxygen¹⁰.

Supplementary fumaric acid is involved in cellular ATP production and has been shown to improve growth performance¹¹.

Lactic acid works alongside NADH/NAD⁺ and ADP/ATP during exercise to promote sustained ATP generation in the skeletal muscles via oxidative phosphorylation¹².

L-carnitine supplementation may improve whole-body glucose utilization, lipid parameters, and reduce markers of oxidative stress; low levels of L-carnitine are associated with a higher risk of diabetes complications¹³.

May improve athletic performance

Yohimbe bark is a native African plant traditionally used to improve feelings of energy and virility. Research into the athletic effects of acute YHB ingestion suggest that it imparts ergogenic benefits which may be mediated by lower blood lactate and fatigue while increasing epinephrine¹⁴. It is said to be used by recreational and competitive athletes to improve exercise performance, boost fat loss and enhance blood flow and fuel utilization¹⁵.

May reduce chronic inflammation

Chronic, subacute tissue inflammation is a major factor in the pathogenesis of insulin resistance and metabolic dysfunction in obesity¹⁶. Colchicum autumnale is a traditional Chinese medicine that has long been recognised for its anti-inflammatory properties; it is shown to reduce pro-inflammatory cytokines (interleukin-1 β , interleukin-18, interleukin-6), and C-reactive protein (CRP). Colchicum autumnale is commonly used to treat and prevent gout, familial Mediterranean fever, and pericarditis¹⁷.

1 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6627830/>
2 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3197792/>
3 https://journals.lww.com/co-lipidology/Abstract/2016/06000/Role_of_lipoprotein_lipase_in_lipid_metabolism.5.aspx
4 <http://www.eurekaselect.com/article/19654>
5 <https://www.sciencedirect.com/science/article/abs/pii/S2222180813600523?via%3Dihub>
6 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5723243/>
7 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6166192/>
8 <https://www.hindawi.com/journals/omcl/2014/154295/>
9 <https://www.ncbi.nlm.nih.gov/books/NBK26882/>
10 <https://www.ncbi.nlm.nih.gov/books/NBK218751/>
11 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8744612/>
12 <https://journals.physiology.org/doi/full/10.1152/physiol.00016.2017>
13 <https://doi.org/10.1038/s41387-018-0017-1>
14 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8835515/>
15 <https://pubmed.ncbi.nlm.nih.gov/12323115/>
16 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7919414/>
17 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8790102/>



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Dosage

Adults: Administer 1-5 sprays into the mouth one to three times daily

Safety and side effects

META PRO has an excellent safety rating with no reported interactions from the supplement.

META PRO is not intended to replace any medication or procedures used to treat cancer, viral infections, or illnesses. Do not discontinue treatment or cancer medications without a doctor's permission.

Women who are pregnant or nursing should consult their physician before using this product. Certain medications may interact with individual ingredients. Speak with your doctor if you take any medications or you are immune-compromised.

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- Information and statements contained have not been confirmed by additional studies.