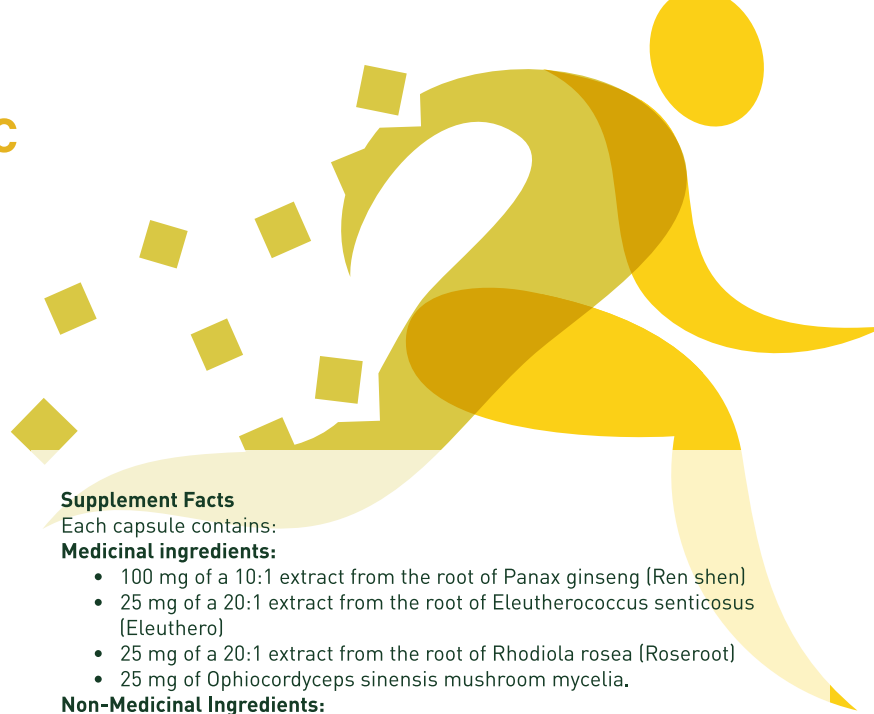


ENERGY

GenBioChem® Proclinic Energy improves mental performance, physical capacity/performance

NPN: 80040748



Supplement Facts

Each capsule contains:

Medicinal ingredients:

- 100 mg of a 10:1 extract from the root of Panax ginseng (Ren shen)
- 25 mg of a 20:1 extract from the root of Eleutherococcus senticosus (Eleuthero)
- 25 mg of a 20:1 extract from the root of Rhodiola rosea (Roseroot)
- 25 mg of Ophiocordyceps sinensis mushroom mycelia.

Non-Medicinal Ingredients:

- Capsule (hypromellose, titanium dioxide), microcrystalline cellulose, magnesium stearate.

Recommended Use or Purpose:

Qi means body's vital energy in TCM.

GenBioChem Proclinic Energy is a unique formulation used in herbal medicine to help:

- Reinforce qi
- Enhance physical capacity/performance (in cases of physical stress)
- Improve mental performance after periods of mental exertion
- Relieve general debility and/or to aid during convalescence

Recommended Dose:

- Adults: Take 2 capsules twice a day. Consult a health care practitioner for use beyond 1 month. Not to be taken immediately before bedtime.

Cautions and Warnings:

- Consult a healthcare practitioner prior to use if you have diabetes or any type of acute infection or are taking any type of medications, or if symptoms persist or worsen.
- Do not use if you are/have hypersensitivity and/or allergies to any of the ingredients, high blood pressure, bipolar disorder, or bipolar spectrum disorder, pregnant or breastfeeding, yin deficiency with heat signs, heat excess, or in the absence of significant qi deficiency.
- Discontinue use if you experience insomnia, irritability, anxiety, or headaches.

Target Populations (ages 12 years and older):

- Shift workers with irregular hours
- People who work outdoors in extreme conditions
- People with physically and mentally demanding jobs
- Long distance travellers
- People recovering from a long-term illness

Our Company

GenBioChem® Proclinic Energy is developed and manufactured by PBG BioPharma Inc. PBG BioPharma is a vertically integrated biopharmaceutical Canadian company. We are committed to becoming a world leader in research, development and manufacturing of evidence-based natural health products and therapeutics using our proprietary GenBioChem® Triple Fingerprinting Technology™.



Standardized using GenBioChem® Triple Fingerprinting Technology™

Our Unique Platform Technology

Our scientific and medical team have developed a breakthrough proprietary technology platform, GenBioChem® Triple Fingerprinting Technology™. Several cutting-edge analytic and biomedical technologies are involved in this technology platform.

Our GenBioChem® Triple Fingerprinting Technology™ ensures quality, authenticity and purity throughout our entire production cycle from lab to shelf.

Our Founder and Chief Scientist

Dr. Jacqueline Shan is an award-winning international scientist and business leader and the creator of the #1 selling cold and flu product in Canada, COLD-fX®. She leads a team of scientists and medical professionals in Canada and around the world to research and develop innovative biotechnologies and biomedical products.



Eleutherococcus senticosus: Also known as Eleuthero, Ciwujia (Chinese: 刺五加) or Siberian ginseng. It has been known to increase energy, longevity and vitality, and to prevent colds and flus. It is also widely used as an adaptogen, a substance that is supposed to help the body better cope with mental and physical stress. The primary active constituents of eleuthero are believed to be eleutherosides. Studies indicate that eleuthero is beneficial both for physical and mental fatigue. A review of 35 clinical trials involving over 2100 healthy subjects found that the oral administration of eleuthero extracts was effective in improving physical and mental work performance under stress conditions¹.



Ophiocordyceps sinensis: Also known as Cordyceps and Dong Chong Xia Cao (Chinese: 冬虫夏草). A tonifying herb that has been used for 2000 years for its medicinal properties to treat many diseases related to lungs, kidneys and sexual impotency. It is also widely used in Asian countries to improve weakness, impotence and fatigue associated with aging. Cordyceps is also known to increase physical stamina. The best evidence of its effectiveness comes from the Chinese National games held in 1993, during which a group of 9 women athletes who had been taking cordyceps shattered a number of world records². Cordycepin, cordycepic acid, polysaccharides and nucleotides are believed to be the main active constituents of cordyceps. Scientific studies indicate that cordyceps use increases cellular bio-energy-ATP (adenosine triphosphate), which potentially contributes to its anti-fatigue effects.



Panax ginseng: Also known as Ren Shen (Chinese: 人參). It has been used for more than 4000 years in China and Korea. It is considered a panacea, meaning it is capable of treating all kinds of illnesses and diseases. It has also been used as an adaptogen to help people adapt to rigorous or stressful situations. In Traditional Chinese Medicine, ginseng is known for its ability to increase energy in young people, and to exert calming and restorative effects in older people. It is also commonly used to improve mental alertness. A randomized controlled trial involving 90 subjects (21 men and 69 women) evaluated the anti-fatigue effects of Panax ginseng in 90 subjects with idiopathic chronic fatigue. Subjects received 1 g or 2 g of a Panax ginseng extract for 4 weeks and monitored their fatigue using self-rating numeric and visual analogue scales³. Panax ginseng administration significantly reduced mental fatigue, which was found to be associated with anti-oxidant properties of the extract.



Rhodiola rosea: Also known as roseroot, golden root, arctic root, king's crown, lignum rhodium and orpin rose (Chinese: 红景天). It has been used in traditional medicine in parts of Europe, Asia and Russia for centuries. It is considered an adaptogenic herb which acts in non-specific ways to increase resistance to stress without disturbing normal biological functions. The plant has been used to stimulate the nervous system by decreasing depression, enhancing work performance, eliminating fatigue, and preventing high altitude sickness. More recently, *R. rosea* has received attention from the scientific community for its potential therapeutic use as an adaptogen. A recent study examined the effects of an acute oral dose of 3 mg/kg of *Rhodiola rosea* on endurance exercise performance, perceived exertion, mood and function in 18 healthy subjects⁴. *Rhodiola rosea* administration decreased the heart rate response to submaximal exercise and improved endurance exercise performance by decreasing the perception of effort. In another study, efficacy and tolerability of *Rhodiola rosea* was evaluated in 120 adults with physical and cognitive deficiencies⁵. Both physical and cognitive abnormalities improved in 6 weeks of treatment, and the treatment was found to be safe and well tolerated by the subjects.

References

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