

Royal PROVITE 5000

THE ONLY PRODUCT ON THE MARKET WITH
3850 mg
ROYAL JELLY



Extra energy for special periods



ENERGY



NUTRITION



ORGANIC
FUNCTION

The current approach in nutrition recommends that the food intake should be sufficient to **avoid diseases and optimise health**

Nutrient deficiency undoubtedly is the most frequent cause of **organic dysfunction** due to a decrease in energy stores. Firstly, this situation leads to a biochemical dysfunction (apparently silent) and in the end, if the situation continues or progresses, it can lead to **deficiencies** (symptomatic). The time required for developing asymptomatic deficiencies varies for each nutrient and for each individual, and depends on the nature and magnitude of **energy stores**. There are different causes involved in the occurrence of nutrient deficiencies and can be grouped as follows: a) increased **metabolic demands** such as growth, pregnancy, sport, stress, etc.; b) diseases and/or surgeries with **convalescence periods**, and c) **fatigue** syndrome, asthenia and tiredness.

Processes demanding extra energy

Growth and aging: They are a balance between the rate of synthesis and the rate of destruction, and can manifest in terms of increase, maintenance or decrease in the mass the body consists of. It is a **dynamic process** in which there are changes in the musculoskeletal mass, the maturation of the neurological and cardiovascular systems, or in the modulation of the **hormonal and immune systems**—some of the most important examples.

Stress: It is defined as any endogenous or exogenous situation that **imbalance the balance of the organism**, activating a series of systems and processes which generate a coordinated response to the stressful situation. Such responses can appear in the form of **energy deficiency, physical injury, haemorrhage, inflammation, etc.**

Convalescence: Period of **recovery** any individual needs after an event with an impact on the individual's health. Convalescence is necessary in **postoperative periods**, after a diagnosed condition, an emotional shock, or excessive stress. **Diet and supplements** are fundamental for **recovering an optimal** physical, mental and emotional **state**.

Fatigue: It is a **feeling of exhaustion** or difficulty to perform physical or mental activities, with no recovery after a period of rest. It is associated with a **broad spectrum of symptoms**, including joint pain, muscle pain, headaches, anxiety, symptoms of depression, **cognitive disorders**, sleep disorders, **intolerance to physical exertion, etc.**

Micronutrients, vitamins and minerals are compounds necessary to maintain an adequate physiological state.



Food supplementation is utilised to correct or prevent widespread deficiencies regarding nutrient intake and associated deficiencies, to balance the total nutritional profile of diets, to restore nutrients lost in processing, or to appeal to individuals who are seeking to supplement their diet.





Royal PROVITE 5000
facilitates the
necessary energy for
individuals with
intense physical or
work activity,
stressful or
convalescence
periods, hormone
disorders and
nutritional
decompensations

ITS SYNERGIC
ACTION PROVIDES
EXTRA ENERGY FOR
THE CORRECT
METABOLIC
FUNCTIONING,
IMPROVING THE
PHYSICAL AND
MENTAL STATE^{9,10,14,20}

THE ANTIOXIDANT AND
ANTI-INFLAMMATORY
POWER FAVOURS THE
PROTECTION OF TISSUES
AND ORGANS,
OPTIMISING,
THEREFORE, THE
PHYSICAL CAPACITY
AND
FUNCTIONALITY^{6,13,20,22}

VIALS EASY TO TAKE
(1 PER DAY) AND
EASY TO TRANSPORT

MAIN BENEFITS

Royal PROVITE 5000 facilitates the necessary energy for individuals with intense physical or work activity, stressful or convalescence periods, hormone disorders and nutritional decompensations

Action of the ingredients:



PURE ROYAL JELLY

Is a substance with **high nutritional value** that contains **10-hydroxy-2-decenoic acid (10-HDA)**. Royal Jelly is a lipid and its intervention has been proven in the processes of immunomodulation, hormone regulation and neurogenesis.



BEE POLLEN *(minimum content: 1% polyphenols)*

Contains a big variety of **biologically active** substances: Proteins, amino acids, carbohydrates, lipids and fatty acids, phenolic compounds, enzymes and coenzymes, as well as vitamins and chemical elements. **Phenolic compounds and flavonoids have antioxidant capacity** and their benefits for the **cardiovascular, hepatic and musculoskeletal** systems have been demonstrated.



PURIFIED PROPOLIS

Is a natural mixture produced by bees, buds and exudates. Propolis contains twelve types of **flavonoids**, the main ones being **Galangin**, Pinocembrin, and Catechin, two phenolic acids (Cinnamic and **Caffeic**), and **Resveratrol**. The combined action of these compounds contributes to the **immunomodulatory** effect, **anti-inflammatory** effect, and **facilitates metabolic processes**.



VITAMIN E *(DL-alpha-tocopherol acetate)*

Is an important lipophilic antioxidant essential for human beings. It has several similar forms (α -, β -, γ - or δ), defined by the location of some chemical groups. The form α -tocopherol is Vitamin E and presents the highest bioactivity.

Due to its lipophilic nature vitamin E **is a stabiliser of all cell membranes**, so its deficiency leads to: Progressive neural disorders, muscle deterioration — including the heart muscle — and metabolic syndrome.

Royal PROVITE 5000 has proven to:

1. MODULATE METABOLIC PROCESSES

In accordance with different studies **Royal Jelly improves the production of red blood cells**, the insulin resistance and the hormone level^{5,7}

ROYAL JELLY vs CONTROL



RBC (10⁶/μL):
+16 vs. -0.01

log T/DHEAS:
+0.05 vs. -0.23

p<0.05

HOMA-IR INDEX

1.98 vs 3.13

p=0.015



RBC: Red blood cells count

log T/DHEAS: Testosterone and its precursor

HOMA-IR INDEX: Insulin Resistance Index

2. IMPROVE THE PHYSICAL STATE

Bee Pollen stimulates bone formation by increasing (+30%) the number of cells which produce bone tissue (osteoblasts)^{15,14}



3. PROTECT TISSUES AND ORGANS

The antioxidant and anti-inflammatory action of **Bee Pollen and Propolis captures more than 50% of free radicals**^{18,19}



MARNYS® guarantees in propolis a minimum flavonoid content of 10% expressed as galangin.



With Bee Pollen from Spain for an optimal assimilation.



Take 1 vial per day

Warning: For individuals with special sensitivity to bee products, please consult your specialist

ROYAL PROVITE 5000 / 20 VIALS		
ACTIVE INGREDIENTS	PER VIAL	%NRV
Royal Jelly	3850 mg	•
Bee Pollen	550 mg	•
Purified Propolis*	40 mg	•
Vitamin E	10 mg	83

*Equivalent to 100 mg of raw Propolis
%NRV: Nutrient Reference Value

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- M.D. Ballesteros-Pomar y A. Arés-Luque. Déficit nutricionales carenciales. *Endocrinol Nutr* 2004;51(4):218-24.
- Alejandra del Rosario Torres Serrano. Crecimiento y desarrollo. *Revista Mexicana de Medicina Física y Rehabilitación* 2002; 14: 54-57.
- Alfredo Avellaneda Fernández et al. Chronic fatigue syndrome: a etiology, diagnosis and treatment. *BMC Psychiatry* 2009, 9(Suppl 1):S1.
- Paul J. Lucassen et al. Neuropathology of stress. *Acta Neuropathol* (2014) 127:109-135.
- Hiroyuki Morita et al. Effect of royal jelly ingestion for six months on healthy volunteers. *Nutrition Journal* 2012, 11:77.
- Paraskevi Moutsatsou et al. Fatty Acids Derived from Royal Jelly Are Modulators of Estrogen Receptor Functions. *PLoS ONE*, www.plosone.org. December 2010, Volume 5, Issue 12, e15594.
- Farzad Shidfar et al. Does Supplementation with Royal Jelly Improve Oxidative Stress and Insulin Resistance in Type 2 Diabetic Patients?. *Iran J Public Health*, Vol. 44, No.6, Jun 2015, pp.797-803.
- Bahram Mofid et al. Effect of Processed Honey and Royal Jelly on Cancer-Related Fatigue: A Double-Blind Randomized Clinical Trial. *Electronic Physician*, www.ephysician.ir. June 2016, Volume: 8, Issue: 6, Pages: 2475-2482.
- Xing'an Li et al. Contribution of Lipids in Honeybee (*Apis mellifera*) Royal Jelly to Health. *J Med Food* 16 (2) 2013, 96-102.
- Stefan Bogdanov. Royal Jelly, Bee Brood: Composition, Health, Medicine: A Review. *Bee Product Science*, www.bee-hexagon.net, 15 January 2012.
- Hiroe Maruyama et al. Anti-inflammatory effect of bee pollen ethanol extract from *Cistus* sp. of Spanish on carrageenan-induced rat hind paw edema. *BMC Complementary and Alternative Medicine* 2010, 10:30.
- Margarida Morais et al. Honeybee-collected pollen from five Portuguese Natural Parks: Palynological origin, phenolic content, antioxidant properties and antimicrobial activity. *Food and Chemical Toxicology* 49 (2011) 1096-1101.
- James Elist. Effects of pollen extract preparation prostat/polit on lower urinary tract symptoms in patients with chronic nonbacterial prostatitis/chronic pelvic pain syndrome: a randomized, double-blind, placebo-controlled study. *UROLOGY* 67: 60-63, 2006.
- Anna Rzepecka-Stojko et al. Polyphenols from Bee Pollen: Structure, Absorption, Metabolism and Biological Activity. *Molecules* 2015, 20, 21732-21749.
- Masayoshi Yamaguchi et al. Anabolic Effects of Bee Pollen *Cistus ladaniferus* Extract in Osteoblastic MC3T3-E1 Cells In Vitro. *Journal of Health Science*, 53(5) 625-629 (2007).
- Vijay D.Wagh. Propolis: A Wonder Bees Product and Its Pharmacological Potentials. *Advances in Pharmacological Sciences* Volume 2013, Article ID 308249, 11 pages.
- Andrzej K. Kuropatnicki et al. Historical Aspects of Propolis Research in Modern Times. *Evidence-Based Complementary and Alternative Medicine* Volume 2013, Article ID 964149, 11 pages.
- Yoshimi Nakajima et al. Comparison of bee products based on assays of antioxidant capacities. *BMC Complementary and Alternative Medicine* 2009, 9:4.
- Marcio A. R. Araujo et al. Mechanisms of action underlying the antiinflammatory and immunomodulatory effects of propolis: a brief review. *Brazilian Journal of Pharmacognosy* 22(1): 208-219, Jan./Feb. 2012.
- Mahmoud Lotfy. Biological Activity of Bee Propolis in Health and Disease. *Asian Pac J Cancer Prev*, 7, 22-31.
- Daniel Raederstorff et al. Vitamin E function and requirements in relation to PUFA. *British Journal of Nutrition* (2015), 114, 1113-1122.
- Maret G. Traber. Vitamin E Inadequacy in Humans: Causes and Consequences. *Adv. Nutr.* 5: 503-514, 2014.
- Etsuo Niki. Evidence for beneficial effects of vitamin E. *Korean J Intern Med* 2015;30:571-579.