

**Melorun**<sup>®</sup>

*Train better,  
Recover faster*

**ROBERTET**  
HEALTH & BEAUTY

# Sport nutrition is expanding across consumers and categories

There was once a time when sports nutrition was the realm of bodybuilders and athletes. But with the general public becoming increasingly health conscious, more and more individuals see nutrition and fitness as a fundamental part of a successful way of life. Ever more demanding, they are looking for convenient solutions that provide efficacy, transparency and integrity.



Sports nutrition has been for several years the fastest growing segment in consumer health.



**Fruits** are the first ingredient consumers would like to see more of in sports supplements.



...of recreational users and athletes, respectively, would prefer 100% **natural sports supplements**.

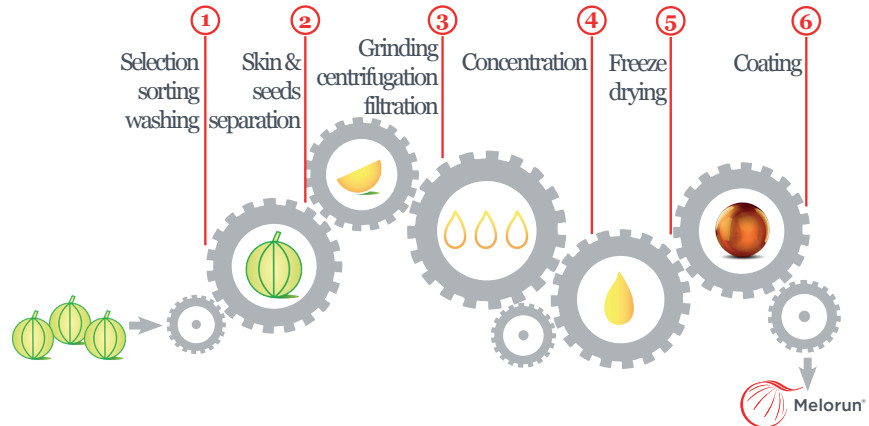
# Meloron<sup>®</sup>, high source of natural SOD.

100% natural melon juice concentrate obtained from a unique proprietary variety of Cantaloupe melon, Meloron<sup>®</sup> boosts the body's natural antioxidant defenses, thus preventing oxidative stress and inflammation, with no prooxidant risk.

Thanks to a patented coating technology, the SOD contained within Meloron<sup>®</sup> is fully protected and 100% bioactive.

## *A green and patented process*

- Unique non-GMO melon variety
- Natural & sustainable process
- Full traceability
- Solvent-free



# Our melon, an unexpected discovery

The story of SOD B<sup>®</sup> and the Superoxide Dismutase (SOD) begins with an **unexpected discovery**.

In 1989, French melon producers are surprised by a new variety of Cantaloupe melon that showed **an impressively long shelf life**.

Several years of research uncovered the mystery of this unique long-lasting quality: an exceptionally **high content in SOD, a powerful antioxidant**. From this discovery, SOD by Bionov, **SOD B<sup>®</sup>, was born**.

Today Bionov, company of Robertet Group, remains **the world's largest producer of natural SOD**.



# The most efficient antioxidants are produced by our body

## *Primary antioxidants*

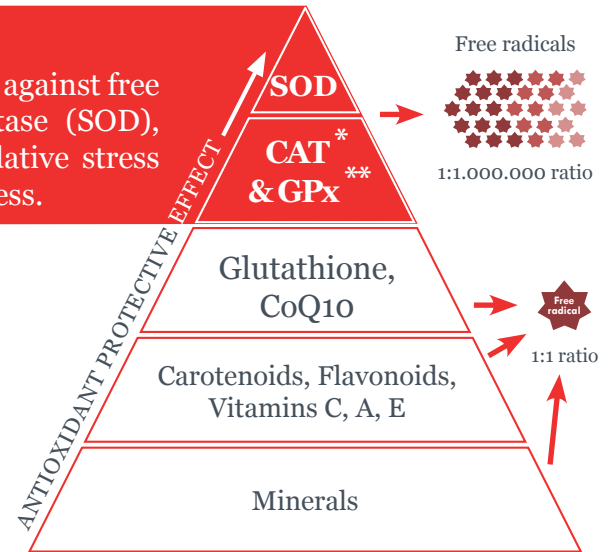
### **Produced by our body**

Thanks to their synergistic mechanisms of action against free radicals precursor species, Superoxide Dismutase (SOD), CAT and GPx prevent the development of oxidative stress from the starting point of cellular oxidation process.

## *Secondary antioxidants*

### **Only from food**

- Capacity to quench only one free radical
- Rapidly overwhelmed



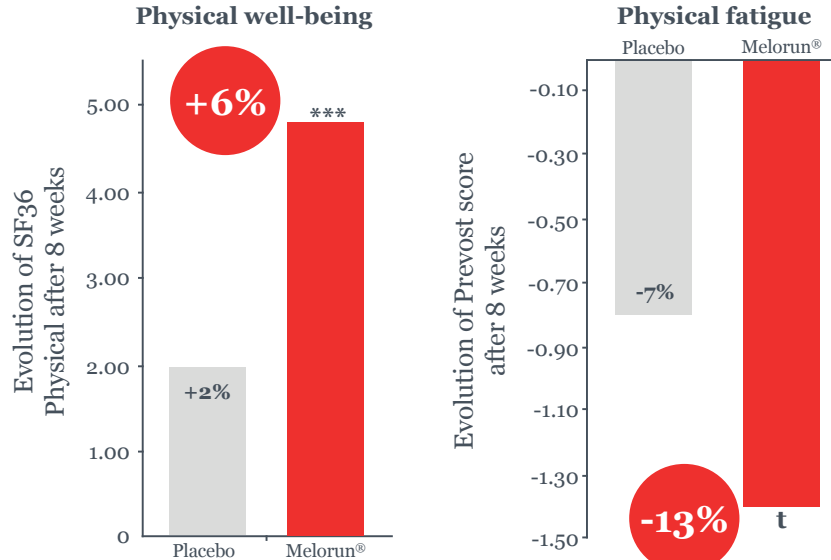
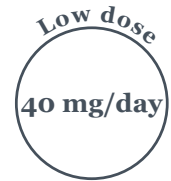
\* CAT: Catalase \*\* GPx: Glutathione peroxidase

# Meloron<sup>®</sup> promotes physical well-being...



## Clinical study on regular and moderate exercise

Design: Randomized, double-blind, placebo-controlled study on 38 healthy males between 35 and 50 years old, resuming sport and following a training program over an 8-week period.



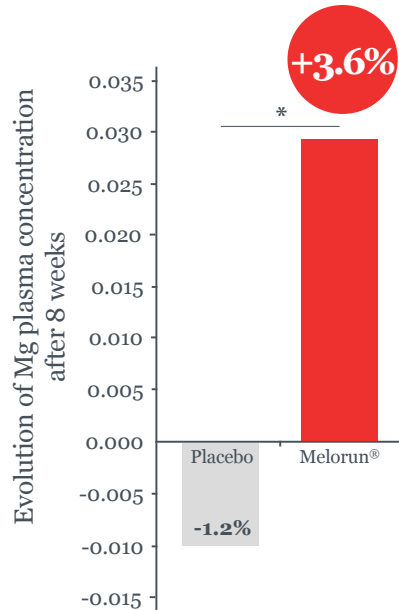
...and also mental well-being!

A consumer study conducted on 9 professional volleyball players for 10 weeks led to a significant evolution of several mental factors:

- 27% of sport-specific stress
- 28% of emotional stress
- 28% of mental weakness

# Melorun<sup>®</sup> protects magnesium level

Evolution of magnesium level



Changes in extracellular Mg levels often reflect their redistribution to locations with increased metabolic need, for processes such as energy production or counteracting oxidative stress.

This decrease in Mg levels is then characterized by general fatigue and a state of muscular and nervous tension.

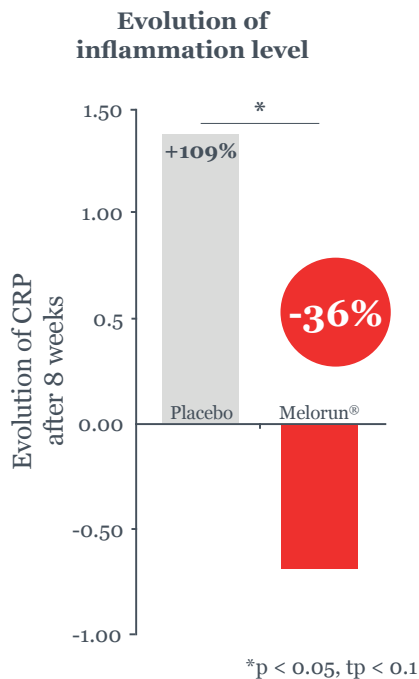
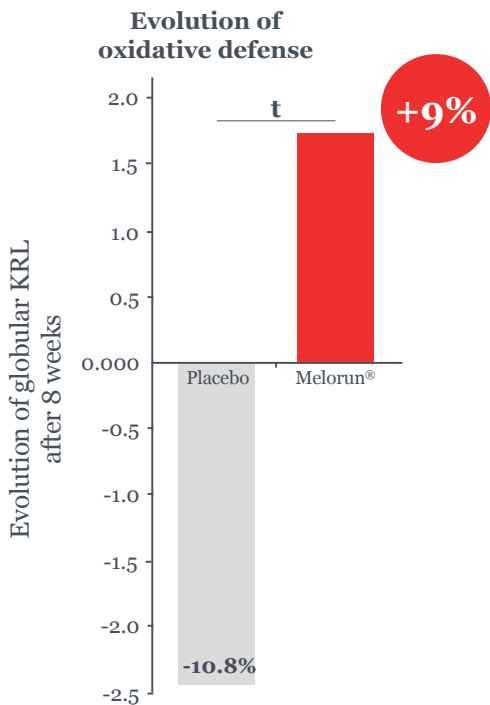
Thanks to its protective effect against oxidative stress and inflammation, Melorun prevents Mg loss, **for more vitality!**

\*p < 0.05



# Melorun<sup>®</sup> speeds up recovery

By modulating oxidative stress and inflammation, Melorun<sup>®</sup> allows faster **restoration of physiological processes** and an improved recovery!



KRL (Kit Radicaux libre), CRP (C-reactive Protein)



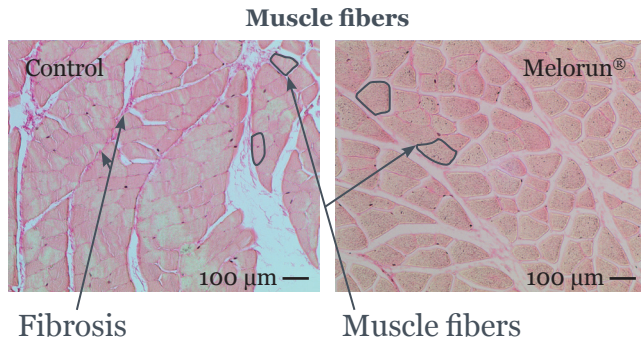
# Meloron<sup>®</sup> supports muscles integrity

## Pre-clinical study on excentric exercise

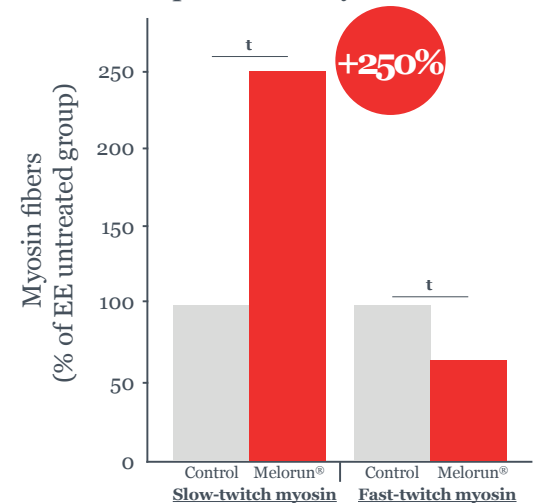
Meloron<sup>®</sup> has been shown to **prevent muscular damage** induced by eccentric exercise, but also to enhance the transition from fast-twitch to slow-twitch myosins. The seconds, rich in mitochondria and highly vascularized, allow slower, but more energetically efficient contraction, **supporting adaptation to effort and resistance to fatigue**.

**-38%** of muscle fibrosis\*

**+9%** of muscle fibers diameters\*\*



## Repartition of myosin fibers



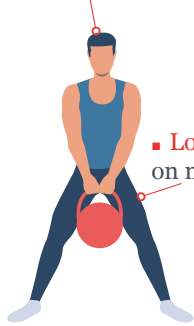
\*\*p < 0.01, \*p < 0.05, tp < 0.1

# Meloron<sup>®</sup> at a glance

## Health benefits

- Effective for both **moderate** and **intense** physical training

- Promotes **mental** well-being



- **Local** efficacy on muscles

- Decreases **physical** fatigue



- **Systemic** efficacy on:
  - Oxidative defenses
  - Inflammation
  - Magnesium level

- Promotes **adaptation** to effort

- Enhances **recovery**

## Scientific publication

- Saby et al., I.J.E.R.P.Health 2020, 17, 1142 «Supplementation with a bioactive melon concentrate in humans : prevention of oxidative damages and fatigue in the context of a moderate or eccentric physical activity»

## Proven efficacy

- 1 clinical trial on recreational users
- 1 consumer study on professional athletes
- 1 preclinical trial
- Demonstrated way of action & bioactivity
- Patented protective coating

## Consumer oriented

- 100% natural, organic version on request
- Low dose, **40 mg**
- Allergen free
- Vegan
- Kosher & Halal
- No doping substance

## Green and natural process

- Safe & gentle on environment
- Solvent and additive free
- Full traceability
- Melons grown in the south of France
- Patented



# Home of Nature™

Robertet is truly the Home of NATURE™ thanks to its **unique expertise in clinically proven botanical ingredients, essential oils and natural flavours and fragrances.**

This polyfunctional skill in natural ingredients makes Robertet **a full natural solutions provider** for food supplements, cosmetics, and functional food & beverage companies.

Robertet's natural savoir-faire goes **from the seed or field selection to the compounded natural solution** taking into account the challenge of contaminants and the valorization of the residues.





ROBERTET

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GROUPE

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