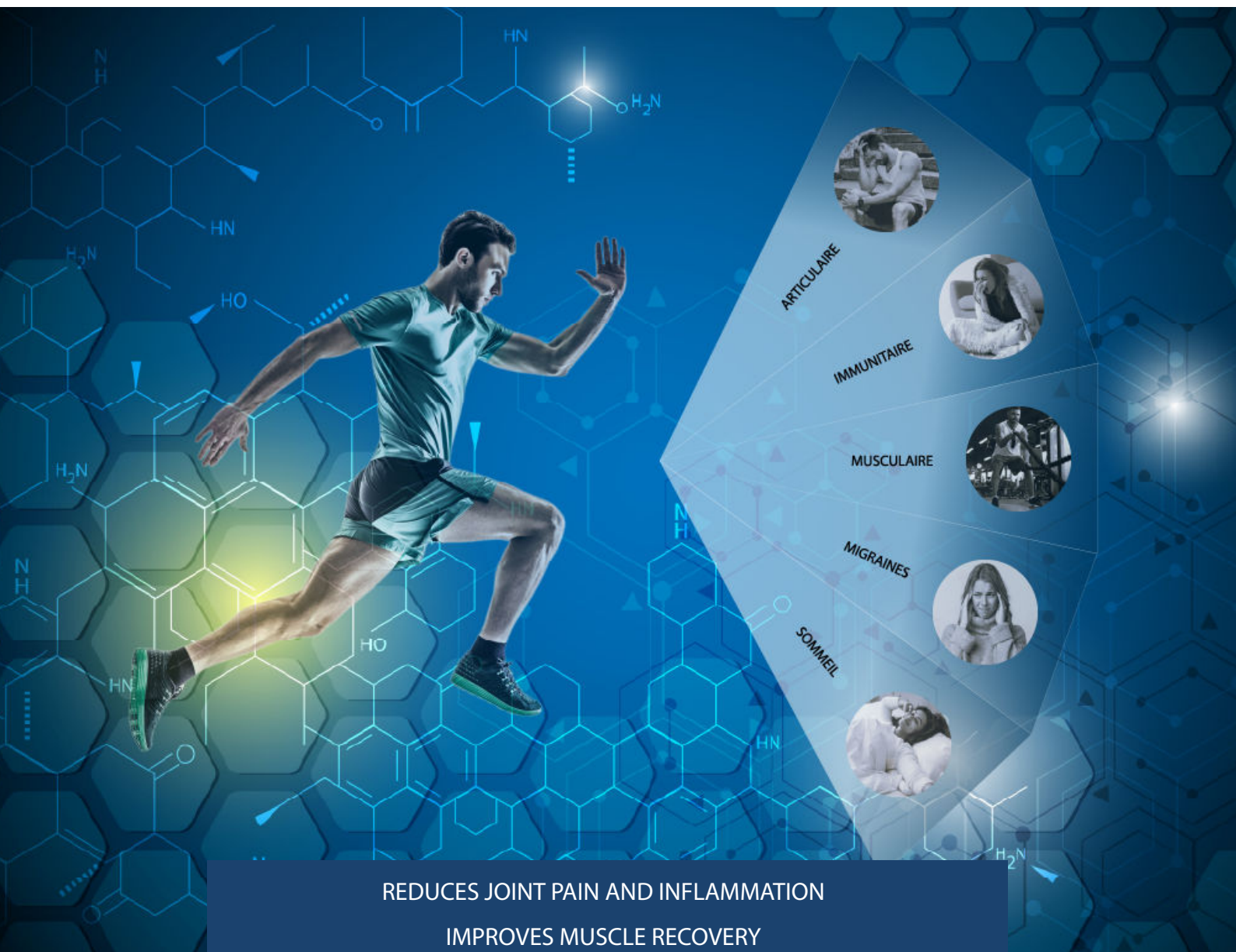


# Levagen<sup>®</sup>+



REDUCES JOINT PAIN AND INFLAMMATION

IMPROVES MUSCLE RECOVERY

IMPROVES SLEEP QUALITY

SUPPORTS IMMUNE RESPONSE

REDUCES MIGRAINES

Levagen+: a high-quality palmitoylethanolamide (PEA). PEA is biologically produced by our body through a repair mechanism, acting on CB1, CB2 and GPR55 receptors, as well as on the TRPV1 channel.

It is a natural anti-inflammatory with clear advantages in various fields of application. Thanks to the use of lipisperse technology, the ingredient is dispersible, increasing its bioavailability (1.75 more than the standard Levagen version).

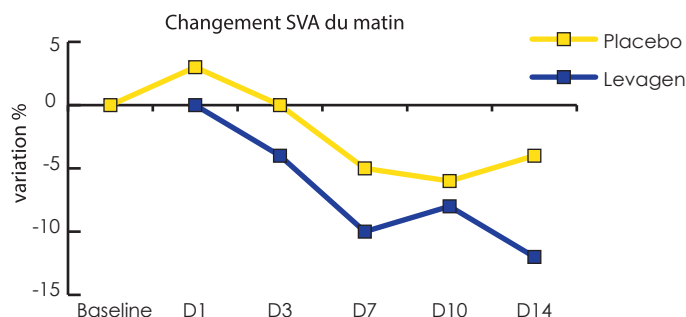
# HOW DOES IT WORK?

The main mechanism of action is binding to PPAR- $\alpha$ , which provides anti-inflammatory, analgesic and neuroprotective properties. It also has an indirect influence on the endocannabinoid system (ECS) by inhibiting the enzyme acid-fat amide-hydrolase (FAAH) and increasing levels of anandamide (also known as the 'bliss' molecule).

In the immune system, PEA inhibits mast cell degradation and modulates cytokines.

Conclusion of a double-blind, placebo-controlled clinical trial

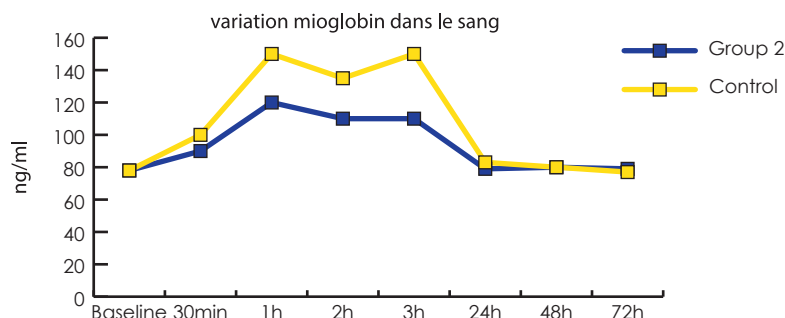
## Reduction of acute joint pain (350 mg/day)



80 participants, men and women, 2 weeks

- Levagen reduces joint pain in just 3 days
- Levagen improves quality of life

## Recovery from muscular exercise (167.5mg/day)

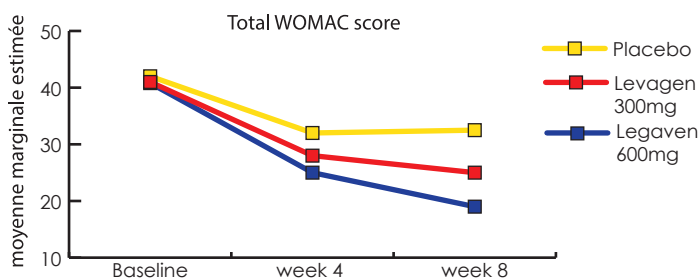


28 men, age 18-35

Levagen+ was statistically significant (compared to placebo) for :

- the reduction in myoglobin levels after exercise
- decrease in blood lactate concentration after exercise
- increased levels of protein kinase B (mTOR) levels associated with resistance training

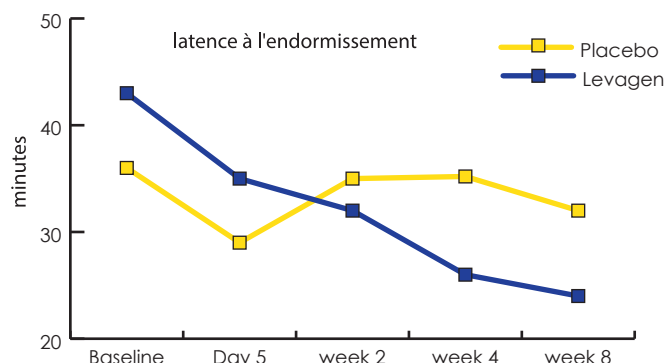
## Treatment of initial osteoarthritis symptoms (300 mg/day)



Levagen® supports people with symptoms of mild to moderate osteoarthritis in the following ways as follows :

- improves total WOMAC score
- reduces pain
- reduces stiffness
- improves joint function

## Improved sleep quality (350 mg/day)

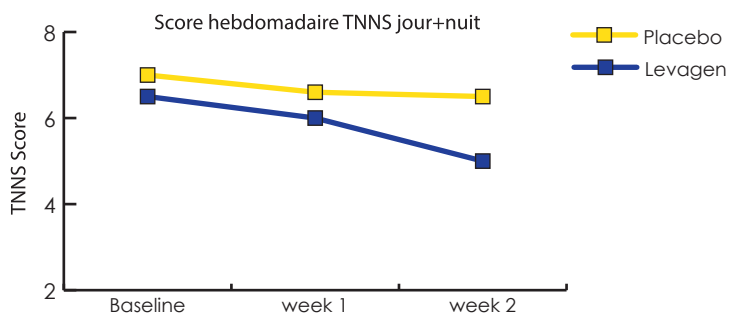


125 Healthy adults , 350mg 1h before bedtime

Levagen® shows results from 2 weeks onwards in :

- reducing the time it takes to fall asleep
- reducing the time needed to feel awake in the morning
- improve cognitive function on waking

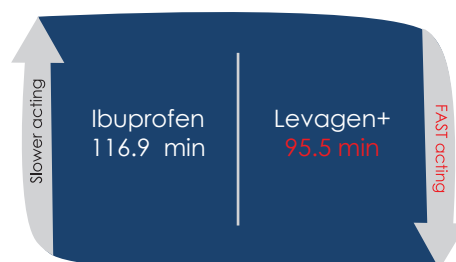
## Reduction of allergic rhinitis (350 mg/day)



101 adults for 2 weeks

- lowers blood histamine levels
- reduces symptoms of allergic rhinitis

## Migraine reduction (525 mg/day)



100 adult men and women Levagen VS Ibuprofen

- Levagen®+ is equivalent to ibuprofen in resolving migraines.
- Levagen®+ acts faster than ibuprofen in resolving severe headaches.
- No side effects