Levagen®+





Natural discomfort management

What is Levagen®+?

Levagen®+ is a bioavailable, next-generation form of PEA (Palmitoylethanolamide) designed for superior absorption and formulation flexibility. It utilizes award-winning LipiSperse® technology, which disperses lipophilic actives in aqueous environments to prevent clumping and improve uptake.

PEA supports the body's natural inflammatory response through activation of PPAR-α and modulation of the endocannabinoid system. Levagen®+ is clinically studied and shown to deliver analgesic and anti-inflammatory benefits, supporting joint comfort, recovery, and overall physical well-being.

Why Levagen®+?

- 300 - 700mg
- Self-affirmed GRAS
- Allergen free (Major 9)
- Vegan / Vegetarian
- Non-GMO
- Halal
- Gluten free
- Informed Ingredient

Levagen®+ Benefits

Levagen®+:

- Helps to facilitate recovery from vigorous exercise*
- Supports joint comfort and joint health*
- Helps those with occasional difficulty falling asleep to fall asleep faster*
- Helps to promote feeling awake faster after a night's sleep*
- Supports immune health and respiratory health*
- Supports healthy levels of brain-derived neuropathic factor (BDNF)*
- Supports cognitive health*
- Supports lower body muscle power*

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Wellness Proven

*These statement have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Published Clinical Studies

2015 Levagen+ Palmitoylethanolamide launched by Saanroo®
2017 Levagen+ launched with Pharmako Biotechnolgies' LipiSperse® platform

2019

JOINT STUDY

Dosage: 300mg or 600mg Levagen® daily or a matching placebo for 8 weeks

Results
- Supports improvement in overall joint health and function
- Supports relaxation and the reduction of daily stress

2020

PHARMACOKINETIC STUDY

Dosage: 300mg Levagen®+ single dose

Results
- Supports significant increase in plasma PEA concentration
- Levagen®+ showed 1.75x more absorption compared to placebo

EXERCISE RECOVERY STUDY

Dosage: 167.5mg Levagen®+ single dose

Results
- Supports muscle damage and recovery time
- Supports growth through muscle tissue stimulation
- Enhances muscle adaptation
- Reduced blood lactate

2021

JOINT DISCOMFORT STUDY

Dosage: 350mg Levagen®+ daily or a matching placebo for 2 weeks

Results
- Significant improvement in joint health in as little as 3 days
- Improvement in QOL

SLEEP STUDY

Dosage: 350mg or a matching placebo for 8 weeks

Results
- Reduced time taken to fall asleep
- Faster time to feel awake
- Improved cognition upon awakening
- Absence of drowsiness

Published Papers:
Health Management,
Alternative to Cannabinoidal

2022

PROINFLAMMATORY REDUCTION MARKERS STUDY

Dosage: 600mg Levagen®+ twice daily or a matching placebo for 4 weeks

Results
- Significant reduction in sP-selectin concentrations
- Reduction in IL-1β and IL-2

HEAD DISCOMFORT STUDY

Dosage: 525mg Levagen®+ or a comparable alternative

Results
- Supports significant impact in resolving head discomfort
- Offers significant relief in reducing head discomfort

PERIPHERAL NEUROPATHIC DISCOMFORT STUDY

Dosage: 600mg Levagen®+ daily or a matching placebo for 8 weeks

Results
- Reduction in neuropathic discomfort
- Reduced inflammatory cytokine
- Improved mood and sleep

2023

SEASONAL ALLERGY STUDY

Dosage: 350mg or a matching placebo for 2 weeks

Results
- Significant decrease in Plasma histamine, IL-10, IL-8, and TNF-α when compared to baseline
- Supports a significant healthy immune response

IMMUNE STUDY (URTI)

Dosage: 350mg Levagen®+ twice daily or a matching placebo for 2 weeks

Results
- Significantly lower reports of discomfort in relation to number of subjects
- Significantly lower severity of symptoms

2024

HEAD DISCOMFORT FOLLOWUP STUDY

Dosage: 600mg Levagen®+ or a matching placebo for a single dose

Results
- Significantly reduced discomfort and resolved head discomfort when compared to placebo

COGNITIVE FUNCTION STUDY

Dosage: 700mg Levagen®+ or a matching placebo for 6 weeks

Results
- Significant improvement in serum BDNF levels when compared to placebo
- Improved memory through better first success and fewer errors

SKIN HEALTH STUDY

Dosage: treatment applied twice daily for 4 weeks

Results
- Significantly reduced redness, dryness and a total POEM score compared to a comparator cream

SPORTS PERFORMANCE STUDY

Dosage: 350mg Levagen®+ or a matching placebo for a single dose

Results
- Development on lean muscle mass
- Significant increase in countermovement jump (CMJ) height

MICROBIOME STUDY

Dosage: 700mg Levagen®+ or a matching placebo for a single dose

Results
- Supports improvement in internal health

2025

MENSTRUAL DISCOMFORT STUDY

Dosage: 350mg or a matching placebo for 16 weeks

Results
- Significant reduction of reported menstrual discomfort at 2-hours post initial dose
- Further significance was seen at 2.5 hours after a second dose

STRESS IN FEMALES STUDY

Dosage: 600mg Levagen®+ twice daily or a matching placebo for 2 weeks

Results
- Significant increase in Standard Deviation of Normal-to-Normal (SDNN) in subjects when compared to placebo
- Supports enhanced physiological stress regulation

TOPICAL JOINT STUDY

Dosage: 1.8mg or a matching placebo for 4 weeks or 5 knee discomfort treatments

Results
- Significantly more events resolved at 60 and 75 minutes
- Significantly lower discomfort score at 60 minutes
- Discomfort reduction at 60 minutes equated to a 55% discomfort reduction relative to baseline

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LipiSperse® is a registered trademark of Pharmako Biotechnologies.

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Levagen®+ Formats

- Capsules
- Tablets
- Softgels
- Powders
- Drinks
- Shots
- Liquids
- Gels
- Gummies
- Sachets
- Ready-to-mix
- Effervescents



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Published Clinical Studies

2019
Levagen

Joint Study

2020
Levagen+

Pharmacokinetic Study

Exercise Recovery Study

2021
Levagen+

Joint Discomfort Study

Sleep Study

2022
Levagen+

Proinflammatory Reduction Markers Study

Head Discomfort Study

Peripheral Neuropathic Discomfort Study

2023
Levagen+

Immune Study

Seasonal Symptom Study

2024
Levagen+

Head Discomfort Followup Study

Cognitive Function Study

Skin Health Study

Sports Performance Study

Microbiome Study

2025
Levagen+

Menstrual Discomfort Study

Stress in Females Study

Topical Spray Study

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