



Bio-PEC

Biosynthesis Phyto-Endocannabinoid

Description

Incospharm developed Bio-PEC (Biosynthesis phyto-endocannabinoid) : Plant Oil-Originated Endocannabinoid Mimetic Compounds to address the prohibition of cannabis origin CBD use in some regions.

Bio-PEC is made from plant oil unrelated to cannabis and is publicly available around the world, including China, without worries and regulations.

1. Endocannabinoids enriched-natural oils using biotechnology-based manufacturing process
2. Natural alternatives to cannabidiol (CBD) without regulatory issues
3. China-compliant natural oils, customizable to client request



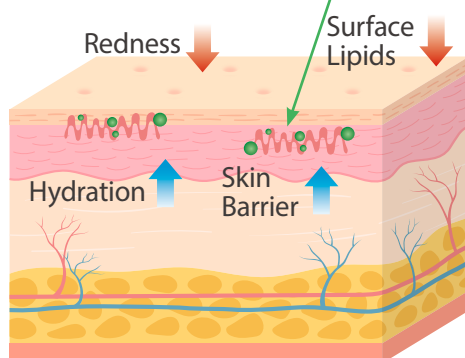
Sunflower seed oil

Bioconversion using
Lipase A*

*Patent granted proprietary lipase



Biosynthesis
Phyto-Endocannabinoid



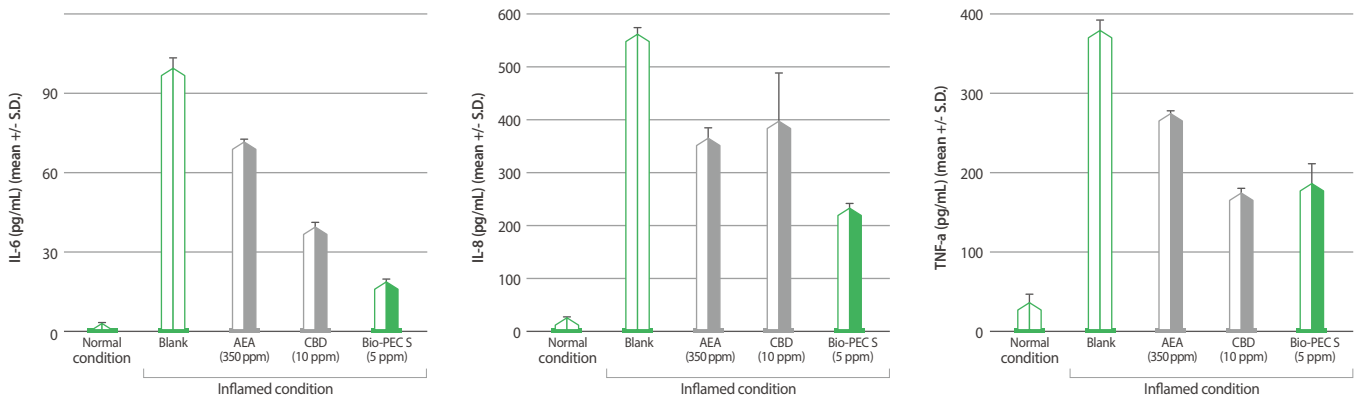
Cannabinoid
Receptor Type 1



Bio-PEC Biosynthesis
Phyto-Endocannabinoid

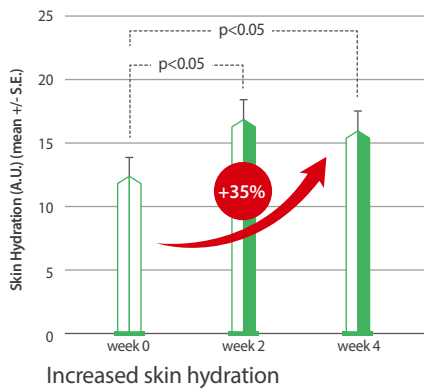
Biological activity

Skin Soothing Efficacy of Bio-PEC Sunflower

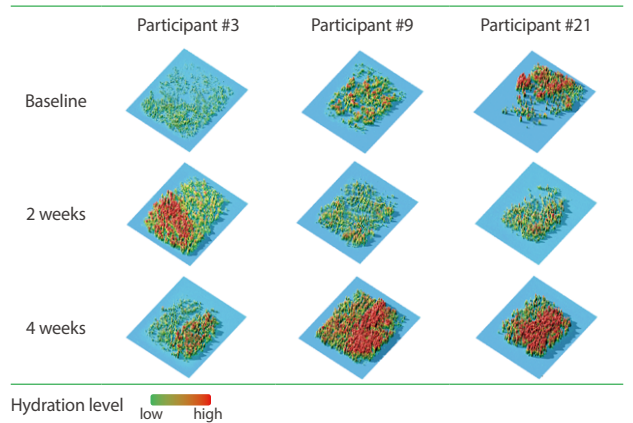


Clinical efficacy

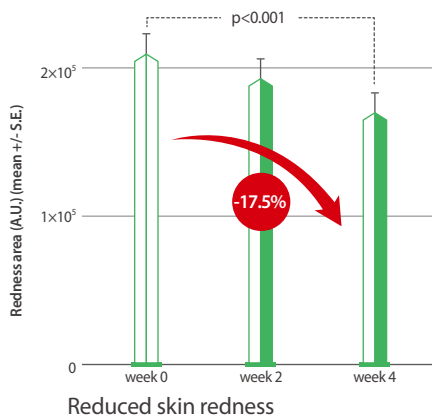
Hydration



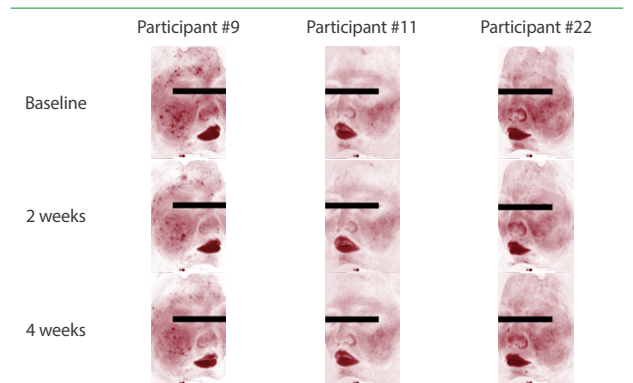
Water intensity map



Soothing



VISIA-CR Image Analysis



INCI Name

• Palmitamide MEA and Stearamide MEA

Technical Data Information

Trade Name Bio-PEC Sunflower **Appearance** Brown viscous solid **Shelf Life** 12 months
Pack Sizes 5 / 10 / 20 kg **Storage** Store at room temperature away from direct sunlight

Recommended dosage

• 0.1 ~ 0.5 %

Clinical Efficacy

• Skin soothing and calming
 • Fortifying skin barrier function and reducing skin surface lipids



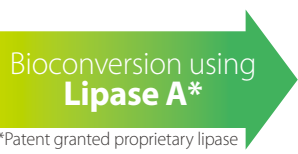
Bio-PEC

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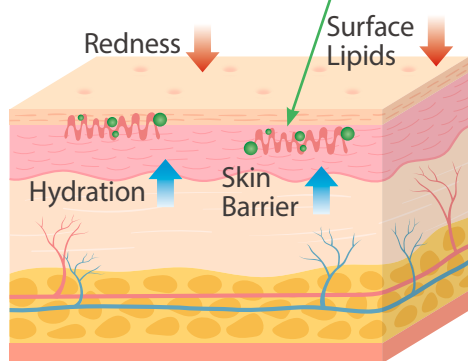
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Biosynthesis
Phyto-Endocannabinoid



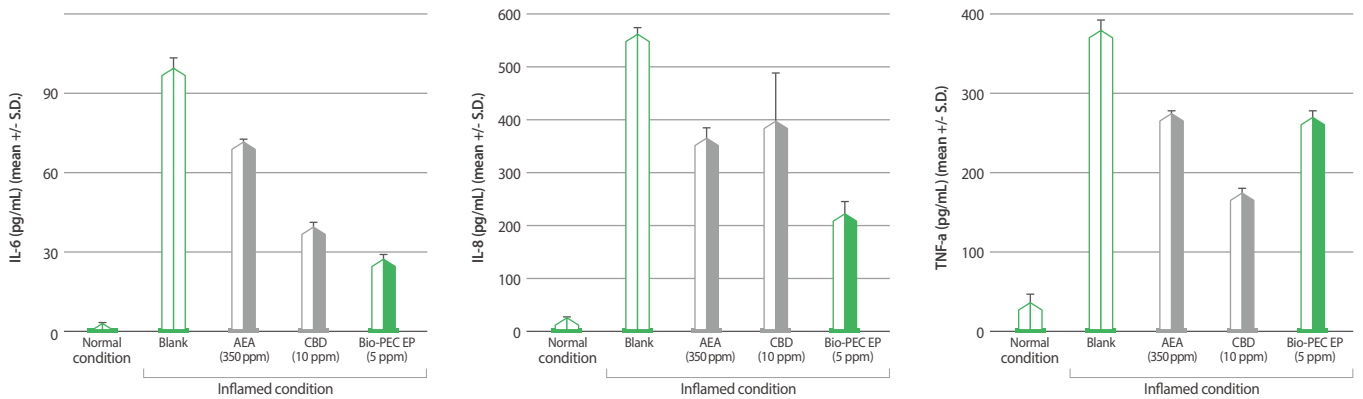
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Receptor Type 1

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Phyto-Endocannabinoid

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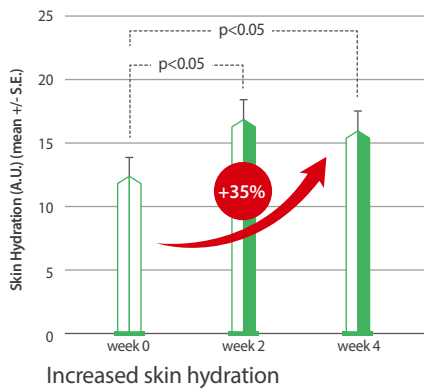
Biological activity

Skin Soothing Efficacy of Bio-PEC Evening Primrose

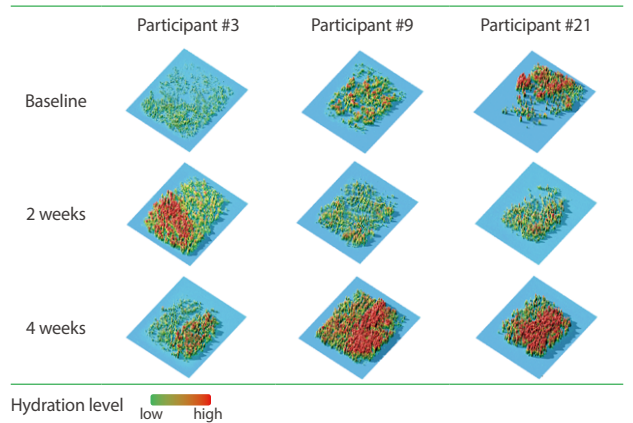


Clinical efficacy

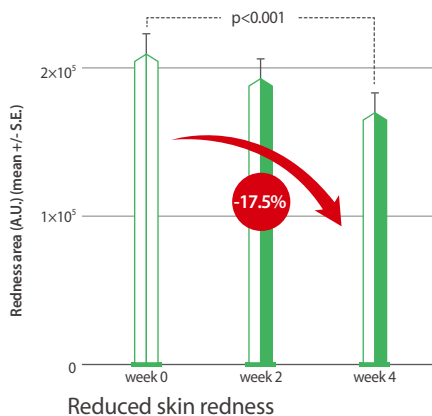
Hydration



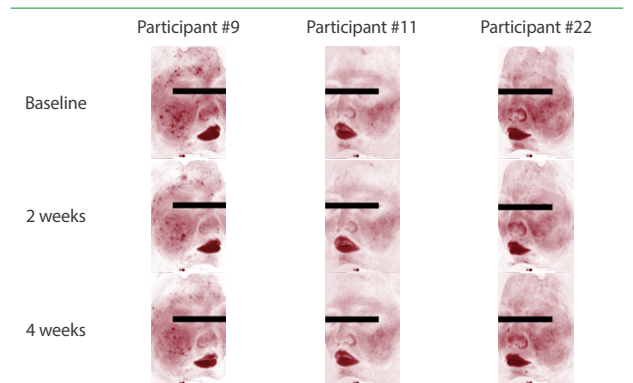
Water intensity map



Soothing



VISIA-CR Image Analysis



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