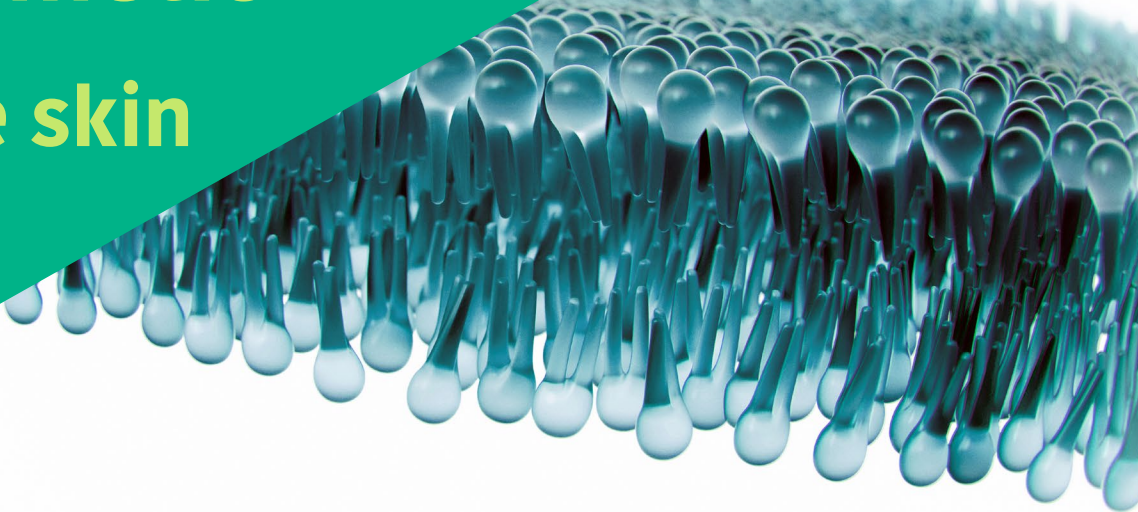


BioSignal™ Lipid 10 MB

Skin-mimetic active for sensitive skin



BioSignal™ Lipid 10 MB

INCI: Glycerin (and) Phospholipids

CAS #: 56-81-5, 123465-35-0

EC #: 200-289-5, NA

Skin sensitivity reduction

Short term & long term hydration

Improved skin complexion & radiance

Improved skin smoothness & elasticity

Naturally-derived

Recommended applications



Skin care



Sun care



Face makeup

BioSignal™ Lipid 10 MB is a proprietary, skin-mimetic technology for improved skin health and reduced skin sensitivity.

Cosmetics are among the main triggering factors of sensitive skin due to overuse and sometimes inappropriate use. Presence of potentially irritating substances in its composition (alpha-hydroxy acids, propylene glycol, alcohol, fragrances, etc.) increases the possibility of symptoms. Sensitive skin is also overrepresented in population that experience stress, have diabetes, or with women who went through menopause.

BioSignal™ Lipid 10 MB is a patented, proprietary, skin-mimetic technology comprising of phosphatidylglycerol, a unique naturally-occurring phospholipid. BioSignal™ Lipid 10 MB stimulates the expression of several epidermal proteins known to strengthen the skin barrier, hydrate the skin and reduce the inflammatory signaling pathways.

In clinical studies, this ingredient not only demonstrates benefits for skin moisturization, tightening and radiance but was also found to work synergistically with irritating actives to decrease their irritation potential in sensitive skin.

BioSignal™ Lipid 10 MB is a breakthrough active technology for consumers with sensitive skin.



Vantage

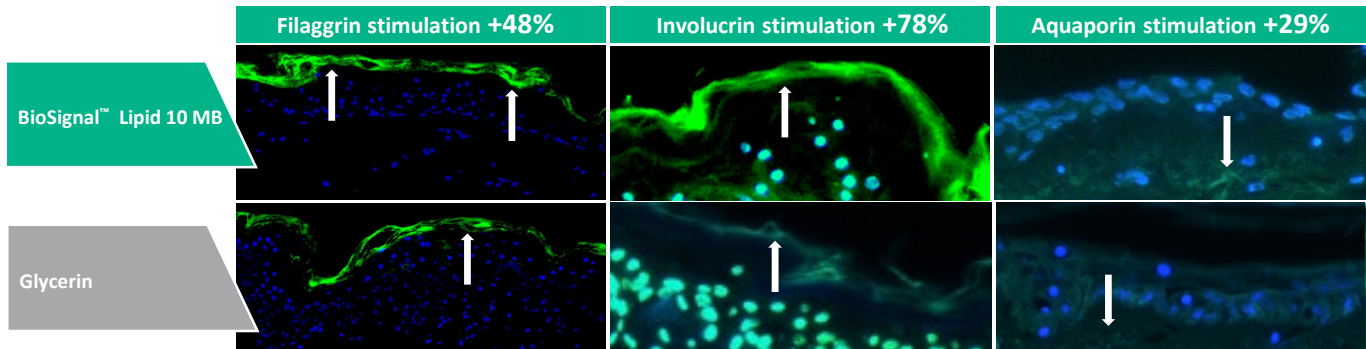
BioSignal™ Lipid 10 MB

**Skin-mimetic
active for
sensitive skin**

Active's common name	Phosphatidylglycerol
Appearance	Viscous, pale yellow liquid
Preservative	None
Recommended Use Level	1% (0.1% of phosphatidylglycerol)
Shelf life	2 years
Regulatory	Listed on PCPC, IECSC, China IECIC 2015 COSMOS RSPO MB ISO16128 NOI: 100%

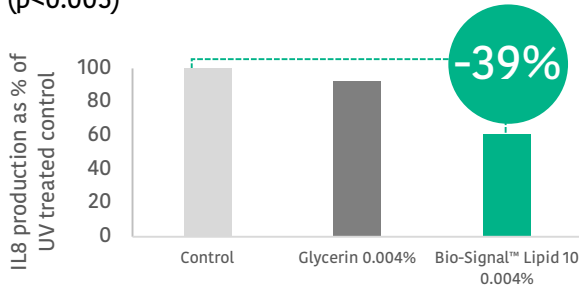
skin barrier strengthening

BioSignal™ Lipid 10 MB stimulates the production of moisturizing proteins compared to glycerin: Filaggrin, Involucrin and Aquaporin.

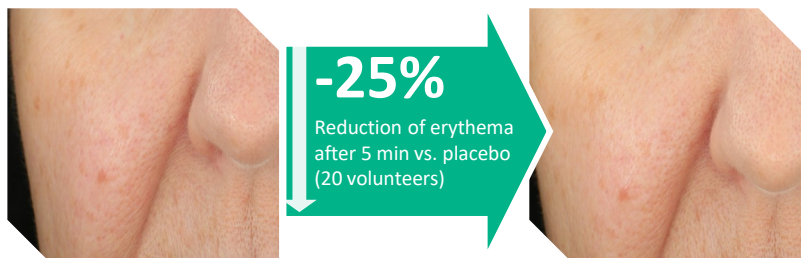


skin sensitivity reduction

39% reduction of IL8 reduction vs. untreated (p<0.005)



BioSignal™ Lipid 10 MB reduces skin sensitivity by 25% vs. placebo when exposed to AHA

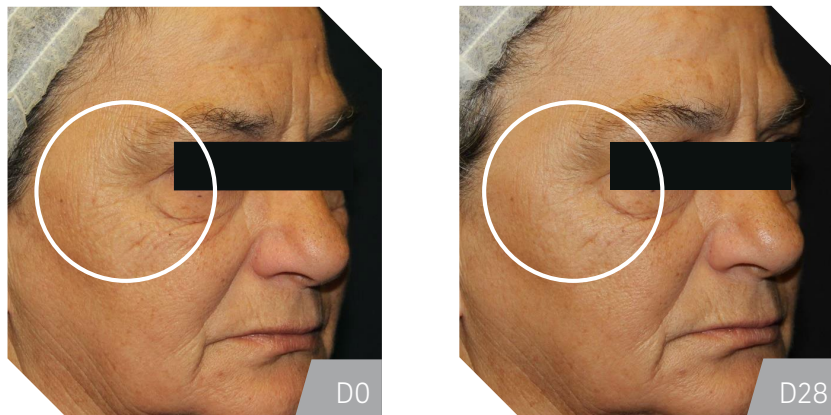


skin texture & radiance improvement

BioSignal™ Lipid 10 MB reduces the appearance of crow's feet wrinkle by 22% and improves radiance by 16% in 4 weeks.

By fighting against skin irritation and aging signs, BioSignal™ Lipid 10 MB is an excellent ingredient against inflammaging.

Consumer survey reveals a marked preference for the BioSignal™ Lipid 10 MB based formula over the placebo.



All data, including the formulations and procedures discussed herein, to the knowledge of Vantage™, are believed to be correct, reliable and accurate. Please note, however, that Vantage™ does not warrant or guarantee any accuracy, reliability or completeness of the information contained herein. It is the user's responsibility to determine the suitability and completeness of such information for the user's particular use (including performing any necessary confirmatory tests). Vantage™ is not responsible or liable for any loss or damage that may occur from the use of this information, nor do we warrant against any patent infringement. Nothing contained herein shall be construed as providing any permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.