

FACT SHEET

GLYCEROMES

PRODUCT OVERVIEW

Glycerosomes® are advanced phospholipid vesicles enriched with up to 50% glycerin. Their unique structure improves vesicle flexibility, stability, and transdermal penetration. By combining lipid fusion with strong humectant activity, they deliver hydration, barrier repair, and long-lasting therapeutic effects.

FEATURES AND KINETICS

- ≤50% glycerin-enriched phospholipid bilayer
- Enhanced fusion with skin barrier
- Strong retention in skin layers
- Boosts hydration & elasticity
- 5× higher flux vs. liposomes
- Sustained release up to 8 h

MECHANISM OF ACTION

1. **Enhanced Delivery:** Flexible vesicles (20-150 nm) fuse with skin lipids for deeper penetration and 5× higher retention vs. liposomes.
2. **Moisture Retention & Barrier Repair:** Glycerin locks water in the stratum corneum, reduces TEWL, and improves elasticity.
3. **Sustained Release:** Provides fast permeation with controlled release up to 8 hours.

KEY INGREDIENTS

- Liposomal Glycerin (≤50%)

STORAGE CONDITIONS

- Storage: 15-25 °C; refrigeration (2-8 °C) supports stability. Avoid freezing.
- Protection: Keep tightly sealed, away from light and moisture.
- Handling: Avoid excessive heat and repeated opening.

APPLICATIONS

- Hydrating and barrier-repair creams/lotions
- Serums for enhanced delivery and retention of actives
- Soothing and therapeutic skincare formulations