

FACT SHEET

HYDRO CELL

PRODUCT OVERVIEW

Plant-derived hydrogel provides deep moisturization with high skin compatibility. Its structured matrix mimics the skin's natural hydration environment, serving as an effective carrier for soothing actives. The breathable, non-occlusive film sustains hydration while supporting skin homeostasis.

FEATURES AND KINETICS

- Hydrating matrix with 80-95% water
- Close adhesion to stratum corneum
- Enhances epidermal moisture balance
- Breathable, non-occlusive film

APPLICATIONS

- **Sustained hydration:** Hydrogel network locks in water, mimics skin's moisture balance, and keeps skin breathable.
- **Enhanced delivery:** Promotes penetration of hydrating, soothing, and active cosmeceutical ingredients.
- **Soothing barrier:** Calms dryness and irritation while supporting skin homeostasis.

MECHANISM OF ACTION

1. **Enhanced Delivery:** Bioadhesive, cationic action improves permeability and prolongs skin contact.
2. **Repair & Regeneration:** Promotes cell growth, collagen, and moisture retention for barrier repair.
3. **Soothing Protection:** Anti-inflammatory and antioxidant effects reduce irritation and stress.

KEY INGREDIENTS

- Carboxymethylcellulose (CMC)

STORAGE CONDITIONS:

- Store at 4 °C (refrigerated) for best stability (up to 6 months).
- At room temperature (20-25 °C): stable but gradual water loss.
- Avoid high heat (>40 °C): causes rapid dehydration and brittleness.
- Keep in airtight, sterile packaging to prevent contamination.