

# Cica Exosome

## BIOTECH EDGE

Cica Exosome embodies the fusion of **traditional Centella Asiatica wisdom with modern exosomal biotechnology**. Through precise exosome-mediated delivery, it channels the plant's natural healing essence directly into skin cells, enhancing communication, recovery, and resilience from within. This intelligent biotech system amplifies Cica's inherent soothing, barrier repairing, and collagen boosting potential, offering a next generation solution for calm, balanced, and visibly renewed skin.



Cica Exosome is a plant-based active derived from Centella Asiatica extract. Rich in bioactive molecules, it soothes irritated skin, stimulates collagen production, and reinforces the barrier function to restore visibly healthier, calmer, and more radiant skin. Acting through **advanced exosomal delivery, it conveys the natural healing energy of Centella Asiatica deep into the skin** for comprehensive recovery and protection.

### PRODUCT DETAILS

INCI name:

**Centella Asiatica Leaf vesicles, Aqua, 1, 2 - Hexanediol**

Appearance:

**Clear to pale solution**

Recommended Dosage:

**~1%**

Exosome particles:

**>1x10<sup>8</sup> particles/ml**

## APPLICATIONS :



Soothing care for sensitive and Acne prone skin



Barrier-reinforcing and moisturizing treatments



Anti-aging, firming, and recovery formulations

## KEY FEATURES :

- Originates from Centella Asiatica, renowned for restorative efficacy
- Exhibits antioxidant, anti-inflammatory, and anti-aging benefits
- Supports collagen production and skin hydration
- Promotes soothing and resilience for stressed skin

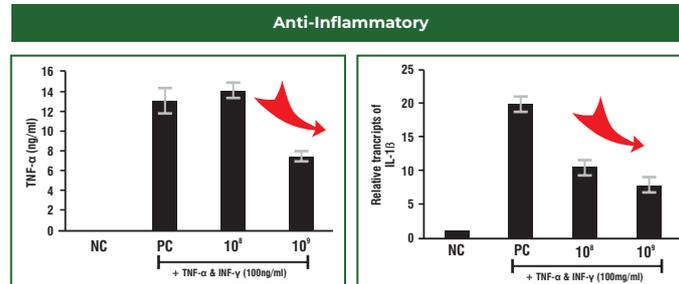
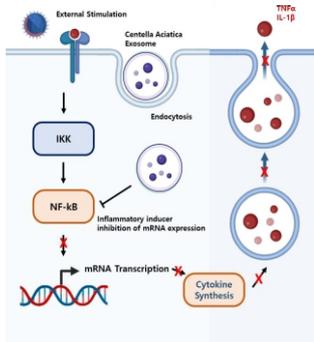
## WHAT IT BRINGS TO YOUR FORMULATION :

- Delivers targeted soothing and calming action at a cellular level
- Enhances skin moisture retention and suppleness
- Strengthens skin structure and barrier function
- Improves formulation performance for smoother, firmer, radiant skin

## EFFICACY STUDIES :

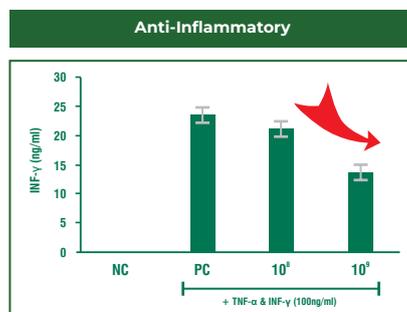
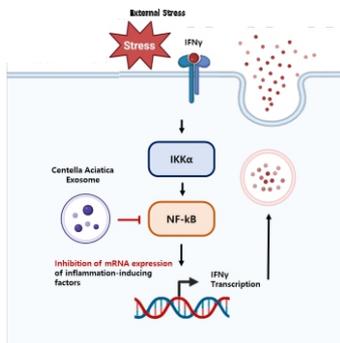
Research confirms that the exosomal fraction from Centella Asiatica blocks production of inflammatory mediators, reducing cellular stress and promoting visible skin calmness. Continuous application restores balance, strengthens the barrier, and refines overall skin texture.

### Blocks Inflammation Signals for Fundamental Soothing of Sensitive Skin



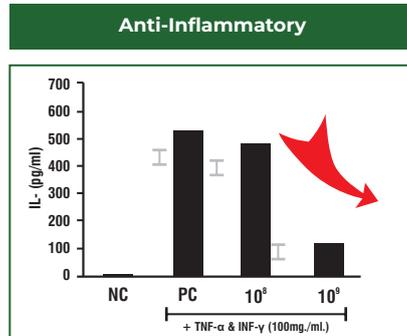
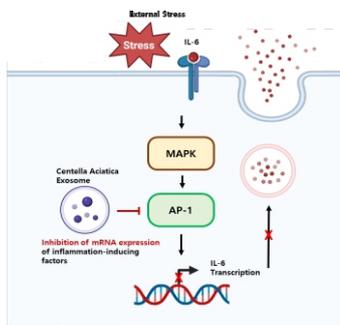
- TNF-α protein expression decreases with increasing exosome concentration
- mRNA expression of inflammatory genes is reduced
- Demonstrates excellent anti-inflammatory efficacy

### Blocks Production of Inflammatory Mediators for Effective Skin Soothing



- IFN-γ levels significantly decrease with increasing exosome concentration
- Over 30% inhibition observed at high concentration

### Inhibits Pro-Inflammatory Factor IL-6 Production to Reduce Skin Inflammation



- Over 80% reduction in IL-6 levels with concentrated exosome treatment.
- Outstanding effects of anti-inflammatory

## CLINICALLY PROVEN BENEFITS :

- **Anti-inflammatory efficacy:** Demonstrated reduction of TNF-α, IFN-γ, and IL-6 expression with increasing exosome concentration, confirming potent soothing activity.
- **Barrier repair:** Strengthens the skin's defense system by reducing inflammatory triggers and reinforcing barrier integrity.
- **Antioxidant protection:** Helps neutralize oxidative stress for calmer, more resilient skin.
- **Collagen stimulation:** Supports dermal renewal for enhanced firmness and elasticity.
- **Moisturizing effect:** Promotes optimal hydration for a supple, healthy texture.
- **Anti-wrinkle and revitalizing performance:** Improves smoothness, tone, and visible skin vitality.