



GRAPE

# G-CELL

## STIMULATED GREEN GRAPE STEM CELLS FOR LONG TERM ANTI-RADICAL PROTECTION



### PRODUCT DESCRIPTION

Grapes are well known for the effective antioxidant phytochemical complex that they are able to produce. Green unripened grapes were collected, as these young tissues are rich in highly viable cells, and used to obtain the stem cell culture used to produce G-Cell.

During the stem cells fermentation process we have been inducing the overexpression of interesting active molecules such as polyphenols and stilbenes in glycosylated form. These glycosylated molecules are very stable and highly bio-available.

G-Cell is an effective antioxidant ingredient able to efficiently counteract free-radicals and to also retain this property in finished cosmetic products.

*In vivo* G-Cell is able to drastically rise the antioxidant capacity of skin delivering an efficient protection against free-radical aggressions. G-Cell offers long-lasting skin protection active for over 6 hours.

### BENEFITS

- Rich in highly stable, bioavailable and effective antioxidants (*in vitro* tests)
- Drastically raises the antioxidant defences of the skin (+124% *in vivo* test)
- Delivers long-lasting protection (over 6 hours *in vivo* test)

### TECHNICAL INFORMATION

**INCI:** aqua, *Vitis vinifera* fruit meristem cell culture, citric acid, sodium benzoate, potassium sorbate.

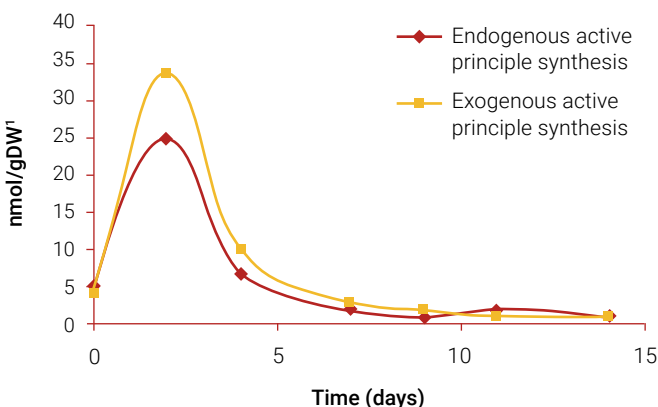
**PLANT USED:** stem cell culture obtained by green unripened grapes from the Emilia-Romagna region, Italy.

**TECHNOLOGY:** Stimulated Stem Cell Technology.

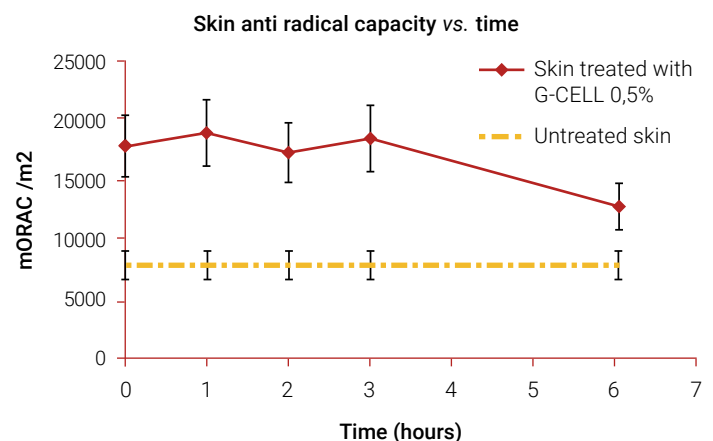
**SUGGESTED CONCENTRATION OF USE:** 0.5% w/w.

**ORGANIC STATUS:** COSMOS approved.

**CHINA STATUS:** also available in China compliant version.



Synthesis of endogenous and exogenous phenolics in grape meristem cell culture



Antiradical capacity of skin after treatment with G-Cell 0,5% w/w