

Golden C[®]

Vitamin C (AA) Natural Premium Experience

A solution for a huge, viral and undifferentiated market where "more" seems to be better. Find out why "MORE" IS NOT ALWAYS BETTER and DISCOVER NEW features to succeed in the vitamin C market



Premium
Vitamin C



NP
TECHNOLOGY



B2B information

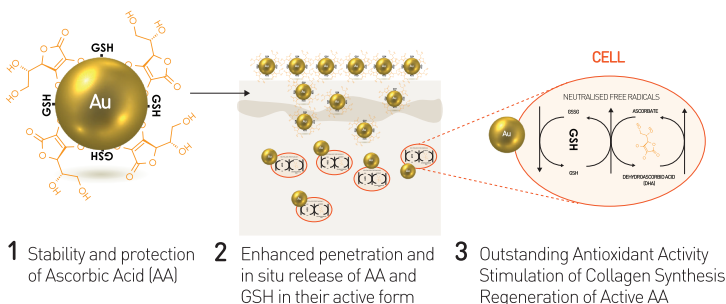
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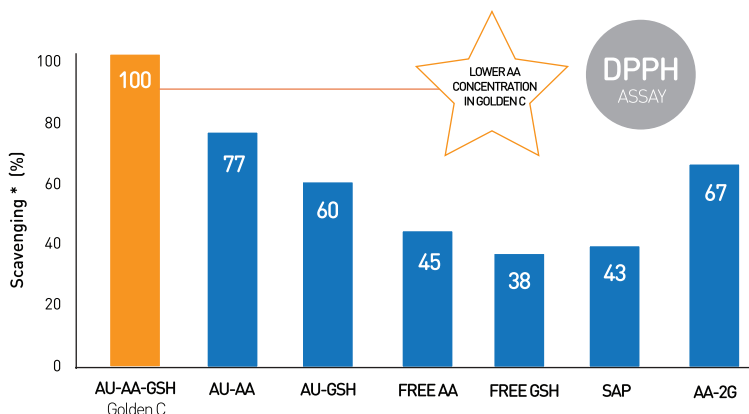
Vitamin C is a potent antioxidant active that can be used topically to treat and prevent changes associated with photoageing. Because it is unstable and difficult to deliver into the dermis in the optimum dosage, research is being directed to find stable compounds and newer methods of delivery it into the dermis. **Golden C is, one of a kind, stabilized form of Ascorbic Acid (AA), made by the winning trio: Submicrometric Gold Particles, Glutathione (GSH) and Ascorbic Acid (AA).** Outstanding performances are achieved at low dose of AA, representing a paradigm shift in Vitamin C market.

MECHANISM OF ACTION AND HIGHLIGHTS



SYNERGISTIC ACTIVITY (AA+GSH)

Technique : Radical Scavenging Ability by DPPH Assay. Dose: 0.03 %



GOLDEN C shows a dramatically higher free radical scavenging efficiency than free AA and derivatives, as well as vs. Gold C vs. Gold GSH. We boost the anti-oxidant activity of AA in presence of GSH.

PRODUCT DESCRIPTION

INCI : WATER, SORBITOL, XANTHAN GUM, ASCORBIC ACID, GOLD, GLUTATHIONE.

Additives : PROPANEDIOL, 1,2 - HEXANEDIOL, CAPRYLYL GLYCOL

Appearance : Pale lilac to lilac

Solubility : Dispersible in water and in O/W, W/O emulsions

Formulation : It should be incorporated at the end of the formulation at a temperature <40°C

Recommended dosage : 0.3 - 0.5 %

pH : 3.50 - 6.50

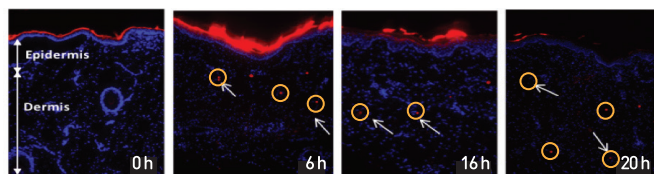
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COMPLIANT



SKIN PENETRATION STUDIES

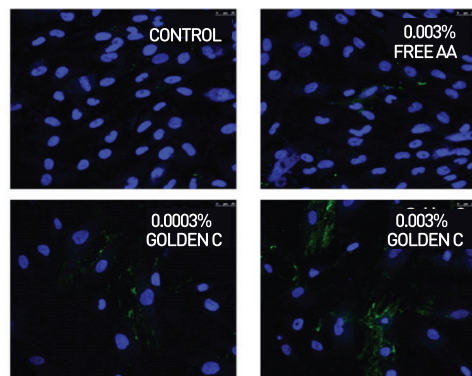
Technique : Pig-skin in Franz Cell. Free red-labeled Active vs Conjugated. Confocal microscopy.



When applied as Golden C, the active quickly and efficiently penetrates within skin

COLLAGEN DEPOSITION IN HDF

Technique : NHDF Culture. Confocal Microscopy. Blue: DAPI staining for fibroblast nuclei. Green: Specific antibody detects collagen. t=24 h



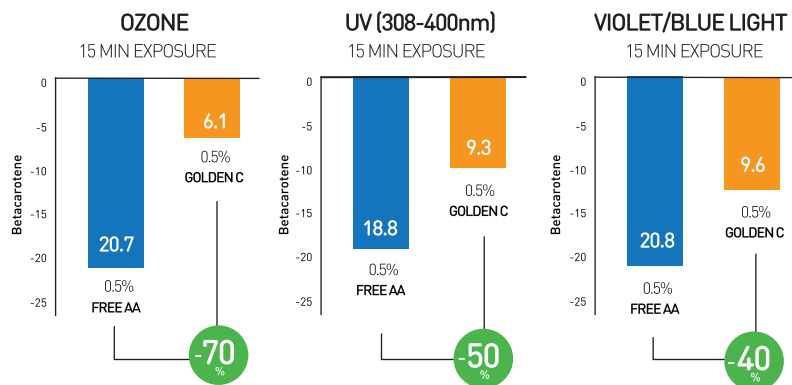
GOLDEN C increased collagen deposition in a dose dependent manner

IN-VIVO STUDIES

CAROTENOIDS LEVEL UPON CHALLENGES

10 22-57 YEARS OLD

Technique : BIOZOOM* (Skin Autofluorescence)
Dose : 0.5 % AA vs 0.5% Golden C Placebo: Free AA
1 Application. 15 min exposition to Oxidative Challenges



* <https://mybiozoom.com/en/products/>

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We are active delivery

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