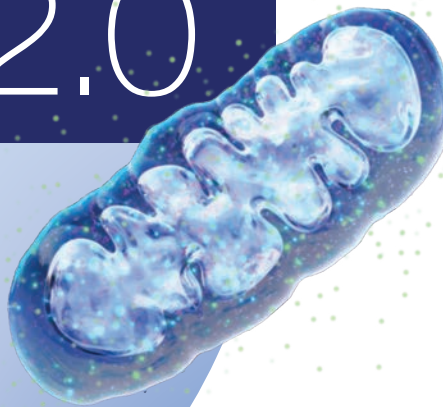


X50[®] 2.0 Q10

Meet the game-changer in skin-mitochondria therapy

X50[®]
2.0

with the world-first
mitochondria-targeted
delivery system



B2B
information

**NOT TESTED
ON
ANIMALS**

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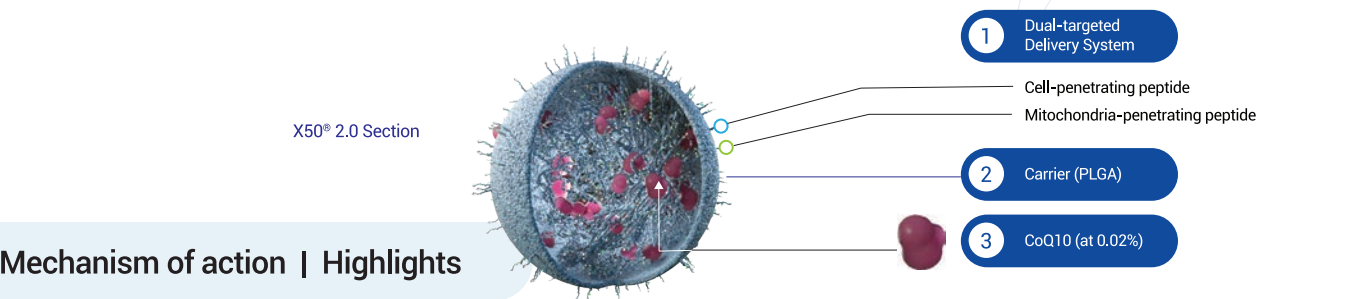


infinitec.es

X50® 2.0 Q10 is the first dual-targeted delivery system able to effectively deliver the CoQ10 with pinpoint accuracy to fibroblast mitochondria. It first targets the fibroblasts, and when up-taken by fibroblast, X50® 2.0 Q10 finds its way to mitochondria, where it releases CoQ10 and thrive mitochondria. X50® 2.0 Q10 protects and re-energize mitochondria, it increases collagen synthesis and offer a 360° anti-aging activity at very low dose.

CoQ10 : Where should it be effective ?

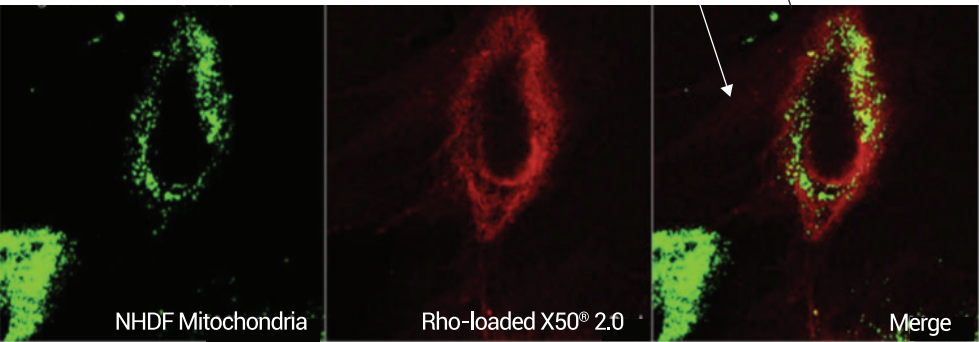
Q10 specific tasks :	Where is Q10 consumed ?	Free Q10	Targeted Q10
1 Antioxidant : neutralizes ROS	Everywhere	Unspecific Q10 consumption	Q10 consumption at ROS production source
2 Boosts ECM Synthesis and fibroblast turnover	Inside fibroblast	Limited activity due to early ROS consumption	Fibroblast internalization helps synthesis of ECM and turnover
3 Mitochondrial respiration : ATP production	Inside mitochondria	X	✓
4 Neutralizes and balances mitochondrial ROS	Inside mitochondria	X	✓



Skin penetration studies

Localization at mitochondrial level

Co-localization Study ● Mitochondria ● Rho-loaded X50® 2.0



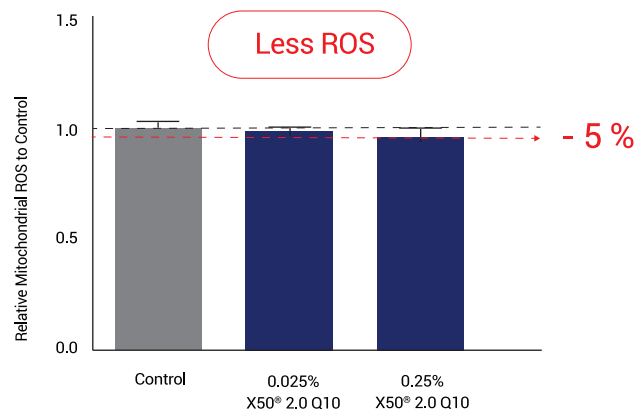
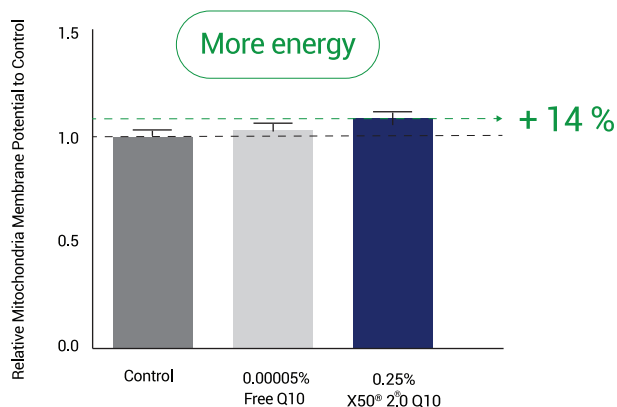
X50® 2.0 is localized in fibroblast's cytosol and preferentially on the mitochondria

Technique: NHDF incubated with red-labelled X50® 2.0 at 0.1%. Cell mitochondria stained with MitoTracker (green). Confocal Microscopy.

In vitro studies

Mitochondrial re-energising effect without extra ROS

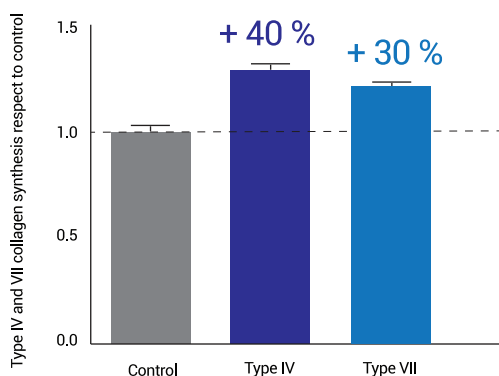
Technique: Aged NHDF treated with 0.25% X50® 2.0 Q10
Membrane potential by MitoTracker. ROS by MitoRos



X50® 2.0 Q10 is able to re-energize mitochondria (increases membrane potential) without generating extra ROS.

Type IV & VII Collagen synthesis

Technique: Aged NHDF treated with X50® 2.0 Q10 at 0.025%
Collagen IV and VII by Elisa assay.



X50® 2.0 Q10 increased collagen IV and VII synthesis by a 40% and 30% respectively.

In vivo efficacy studies

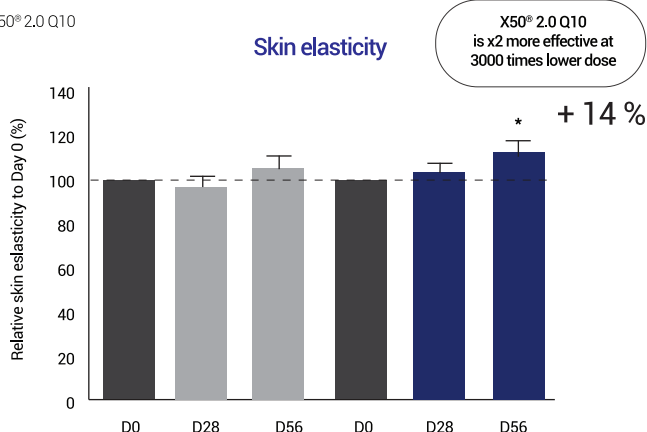
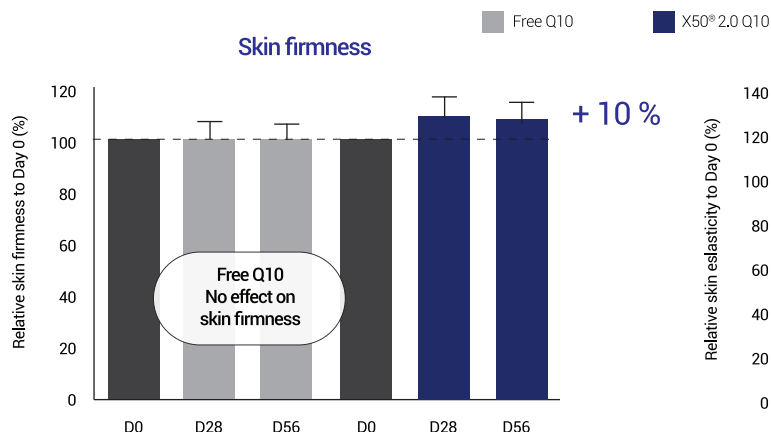
Free Q10 eye contour cream at 1% vs
X50® 2.0 Q10 eye contour cream at 1.5 %

18 women (40 -60)
2 applications per day
Hemiface
Area : Crows feet
Duration : 56 days
Technique: Cutometer

Our X50® 2.0 delivery system
allows us to work with 3000 times
less Q10 concentration



Skin firmness and elasticity



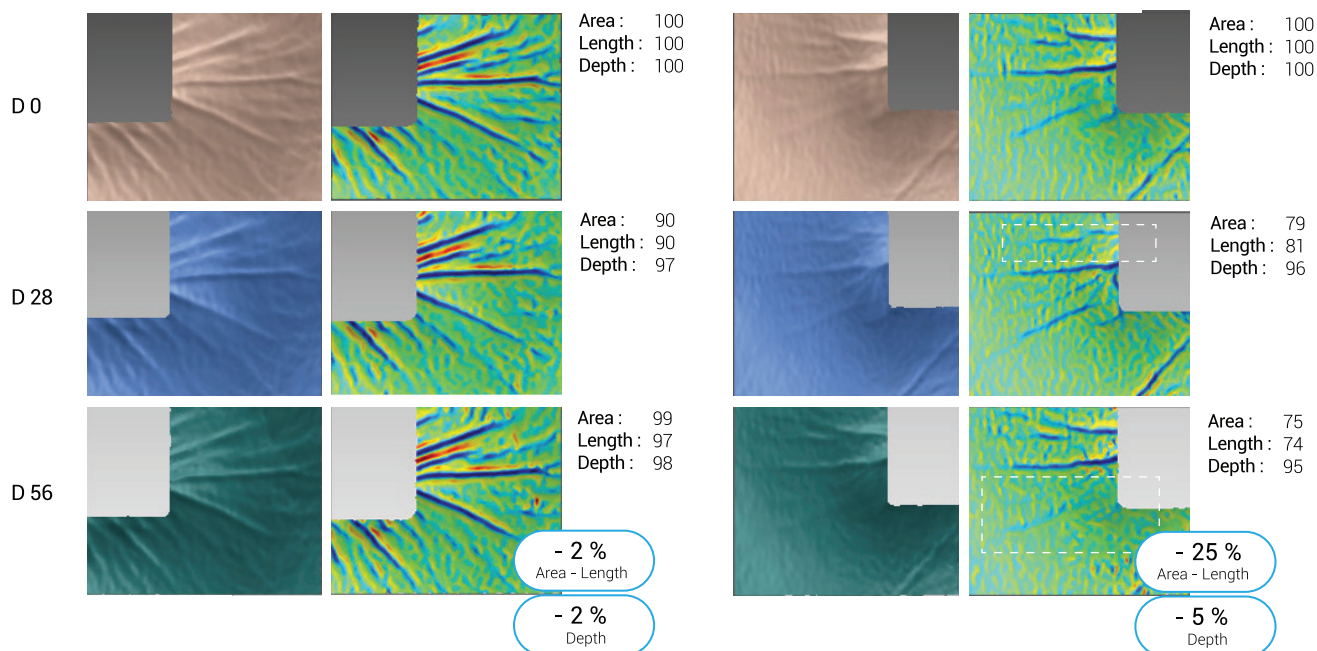
Anti-wrinkle efficacy

2D images from 3D pictures of the area

X50® 2.0 Q10
is more effective at
3000 times lower dose

1% Free Q10

1.5% X50® 2.0 Q10 (0.0003% Q10)



72 % of volunteers considered the treatment reduces crow's feet,
their look seems more rested and the wrinkles and fine lines are smoothed after treatment.

Product Data

- Product code : TR0004
- Product name : X50® 2.0 Q10
- Product technology : X50® 2.0 Cosmetic technology
- INCI : MALTODEXTRIN, LACTIC ACID/GLYCOLIC ACID COPOLYMER, POLYVINYL ALCOHOL, UBIQUINONE, D-ARGINYL TYROSINYL ORNITHINYL PHENYLALANINE, PENTAPEPTIDE-4
- Product claims (*) :
 - Targeted antioxidant
 - Helps boost Q10 performance
 - Helps neutralise free radicals at their very production source
 - Helps reduce cell and skin damage from free radicals
 - Cell protection
 - Cell re-energiser
 - Helps stimulate collagen production
 - Improves skin firmness and elasticity
 - Helps reduce the appearance of fine lines and wrinkles
- Product form and dose : Powder | 0.5 - 1.5 %

Formulation guidelines : Upon request

(*) Cosmetic claims are under tension and are constantly being examined in the light of the Common Criteria with which they must comply in order to be used.
The listed claims are not subjected to legal framework nor a list of authorized claims to end cosmetic products and they are only provided as a reference.

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