

# Wounds and scars



An open wound is an injury in which skin is torn, cut, or punctured. To heal a wound, the human body undertakes a series of actions collectively known as the wound healing process.

Scars are areas of fibrous tissue that replace normal skin after injury. A scar results from the biological process of wound repair in the skin. All scarring is composed of the same collagen as the tissue it has replaced, but the composition of the scar tissue, compared to the normal tissue, is different.

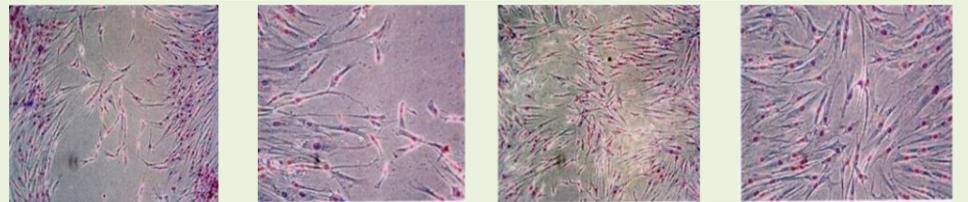
## DRAGON'S BLOOD

This ingredient comes from the resin of a Peruvian tree called Croton Lechleri (Sangre de Drago).

It is rich in Proanthocyanidins with a strong and powerful anti-oxidant effect (stronger than different forms of vitamin C used in cosmetics) that also protect and strength collagen fibers. It also contents Taspine, an alkaloid responsible for its scarring action.

This botanical origin ingredient is Ecocert validated

### In vitro model of wound healing (scratch test)



NEGATIVE CONTROL X 100

NEGATIVE CONTROL X 200

DRAGON'S BLOOD X 100 10 µg/mL

DRAGON'S BLOOD X 200 10 µg/mL

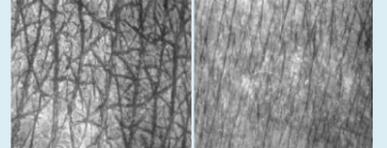
## POLY-HELIXAN

The snail has survived for over 600 million years to extreme environmental conditions. The secret is a secretion, rich in Allantoin, that protects its skin and heals it after receiving a damage.

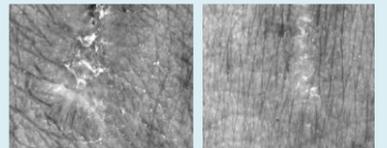
The snail produces a slime to help at its motion, reducing the friction. This slime has no biologic activity. But when it suffers a stress, its defense mechanism is to produce a very rich complex to repair any damage to its skin.



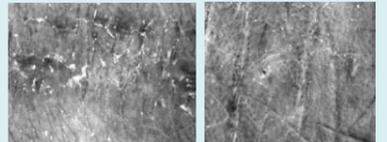
VOLUNTEER # 4 AGE: 48 – RIGHT ARM



VOLUNTEER # 8 AGE: 38 – LEFT ARM



VOLUNTEER # 9 AGE: 51 – LEFT ARM



## RED ONION EXTRACT

Allium Cepa has a long history in medicinal and cosmoceutical use in Traditional Chinese Medicine, and also modern scientific researchers support many of the traditional uses of onions applications.

The main active compound in Onion extract is Quercetin, the major flavonoid present in onion. This compound is known to be a powerful free radical scavengers, antioxidant and anti-microbial.

Its topical use helps to speed up the healing process, but it also reduces scars (acne ones, for example).



## Stretch marks

Stretch marks (striae) are also a form of scarring. These are caused when the skin is stretched rapidly (for instance during pregnancy, a great weight gain, or adolescent growth spurts). It's a problem also related with the lack of hydration and elasticity. Once the process finished, stretch marks appear.



Formulation examples and guidelines available

Ask your distributor for more information

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