

DERMAFENSE TGU

WIDE SPECTRUM ANTIOXIDANT BIOACTIVE



DERMAFENSE TGU

DERMAFENSE TGU is a bioactive with a broad spectrum of antioxidant properties, acting on the entire oxidative cascade. DERMAFENSE TGU combines some of the most potent antioxidant found on the vegetable kingdom, offering a broad and extremely effective antioxidant action. DERMAFENSE TGU consists of specific fractions of grape, guava and wheat, rich in substances with powerful antioxidant and biostimulant activity, carefully combined by Assessa researchers to obtain a product with an exceptional ability to protect against free radicals.

ASSESSA

INNOVATION FOR A GREENER WORLD

MORE EFFECTIVE PROTECTION AGAINST FREE RADICALS

Nowadays we are increasingly exposed to oxidative species (ROS and RNS) that generate free radicals, which leads to oxidative stress. In this stressful situation, excess of free radicals can oxidize and damage lipid cells, proteins and DNA, inhibiting their normal function and leading to problems, ranging from skin aging to serious diseases, such as some types of cancer.

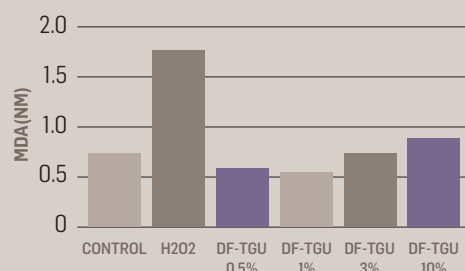
In order to regain balance, it is important to ensure the incorporation of antioxidant substances into daily life, whether in food or in cosmetic products. Most antioxidants used in cosmetic products act only on the outside of cells, acting as bodyguards, capturing free radicals before they reach the cells.

But this protection does not completely block free radicals. Some attack the cell membrane and / or penetrate cells, which can cause serious damage to them. In order to guarantee an efficient defense and the maintenance of the redox balance, it is necessary to associate bodyguard antioxidants with other molecules capable of stimulating cells to neutralize free radicals. Stimulating the self-defense system is essential to achieve comprehensive protection against free radicals.



1 EXTERNAL PROTECTION (BODYGUARD)

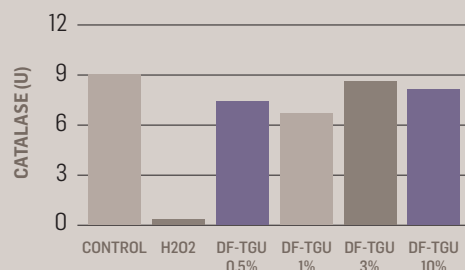
DERMAFENSE TGU protects the cell membrane against the action of free radicals. DERMAFENSE TGU reduces the lipid peroxidation induced by H₂O₂ present in fibroblast cultures by 100%.



2 SELF-DEFENSE (INTRA-CELLULAR)

Hydrogen peroxide, a product of cellular metabolism in organisms exposed to oxygen, is toxic to cells and must be quickly converted into a harmless substance.

DERMAFENSE TGU maintains the activity of the catalase enzyme, which catalyzes the decomposition of hydrogen peroxide, even in the presence of high concentrations of this substance.



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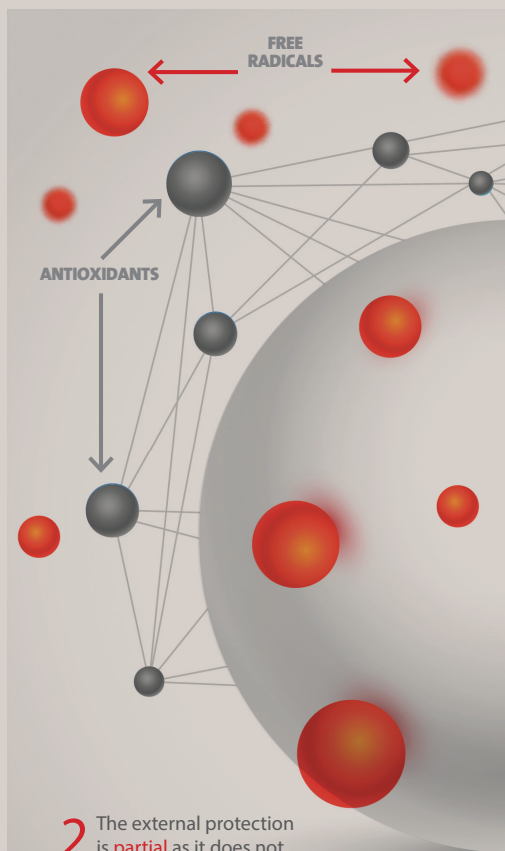
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DERMAFENSE TGU. A COMPLETE ANTIOXIDANT

Obtained by combining some of the most potent antioxidants found in the plant kingdom (guava, grapes and wheat sprouts), it is a broad-spectrum bioactive that acts on the entire oxidative cascade.

COMMON ANTIOXIDANTS

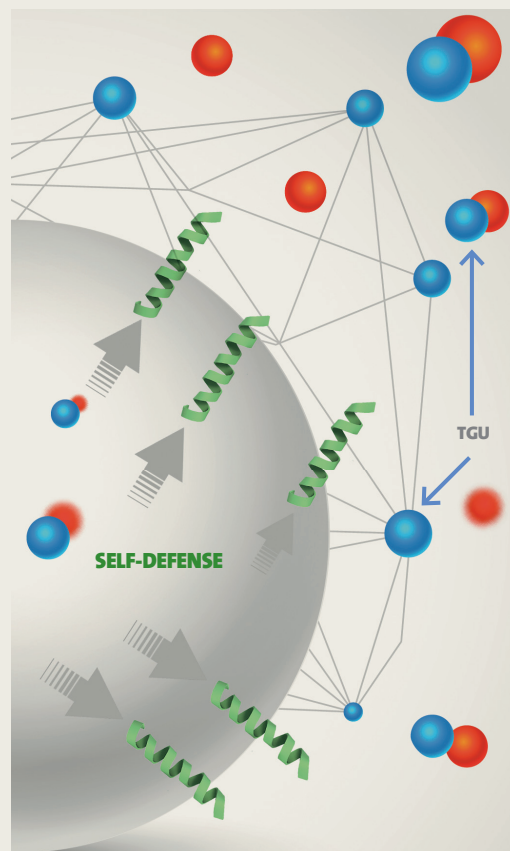
- 1 They act on the **outside of cells** preventing **free radicals** from reaching cell membranes.



- 2 The external protection is **partial** as it does not prevent some **free radicals** from penetrating cells causing serious **damage** to them.

DERMAFENSE TGU

- 1 It acts on the **outside (bodyguards)**, but also stimulates the internal system of **self-defense**.



- 2 Stimulating the internal defense of cells (**self-defense**) is essential for achieving **complete protection** against free radicals.

DERMAFENSE TGU is a complete antioxidant, capable of capturing free radicals **BEFORE** they penetrate the cells (**BODYGUARD**) but also stimulates the internal systems and defense cells (**SELF-DEFENSE**), producing a full protection against free radicals.

INCI NAME

Psidium Guajava Fruit Extract, Vitis Vinifera Fruit Extract, Triticum Vulgare Sprout Extract, Sorbitol, Sodium Benzoate and Potassium Sorbate



USAGE LEVELS

PRODUCT	(%)
Anti Aging and anti-stress	1.0 to 3.0
Cream for damaged skin	1.0 to 3.0
Hand cream	1.0 to 2.0
Cream for face and neck	1.0 to 3.0
Cream for mature skin	1.0 to 2.0

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