

BRM QUIDGEL REGENERATES THE DAMAGED SKIN

ASSESSA

INNOVATION FOR A GREENER WORLD



**QUIDGEL
BRM IS A
POWERFUL
AGENT FOR
ESTIMATE
SKIN NATURAL
PROTECTION**

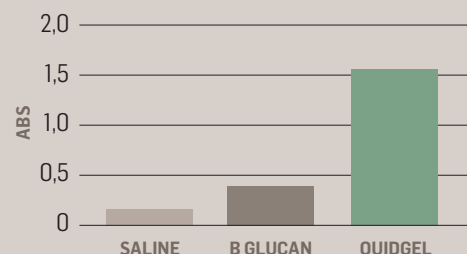


PROOF

ACTIVATION OF THE IMMUNOLOGICAL SYSTEM

QUIDGEL BRM improves the immunological defense capacity of the skin, and stimulating its natural ability to protect and repair itself. The proliferation test for lymphocytes have shown that QUIDGEL BRM is a powerful stimulant of the immunological system, and is more efficient than saline solution (Control) and β -glucan (Positive control) in the activation of lymphocytes - T.

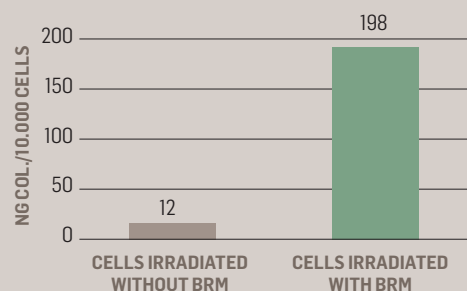
MACROPHAGE ACTIVATION



REBALANCING THE COLLAGEN LEVELS

A study carried out on human fibroblast cells irradiated with UVA radiation demonstrated the activity of QUIDGEL BRM in the preservation/ maintenance of levels of collagen.

PRODUCTION OF COLLAGEN



SKIN NEW INGREDIENTS TO PROTECT AND REPAIR

The specific defense system of the skin involves the action of immunocompetent cells, such as Langerhans Cell (LCs), as well as a great number of cytokins produced forming a complex cascade of biochemical events.

Human skin undergoes various changes throughout the course of our lives. Chronological or intrinsic ageing and photo-ageing affect it over time and are responsible for the decline of the self-protecting and self-healing mechanisms of the skin. Both chronological ageing and photo-ageing lead to a great reduction in the natural ability to protect and repair itself.

The use of active ingredients capable of improving the immunological defense capacity of the skin, and stimulating its natural ability to protect and repair itself represent an important alternative for formulators involved in the development of modern high-performance products.

NATURAL
ORIGIN
98.94%

QUIDGEL BRM

QUIDGEL BRM is an bioactive of vegetal origin that acts as a powerful agent with protective, immunostimulant, repairing and anti-stress activity, in products for the conditioning, revitalizing and treatment of mature skin. QUIDGEL BRM is the result of the combination of active ingredients found in three different species of seaweeds that when in contact with skin defense sensors activate the immune system and stimulate skin regeneration.



QUIDGEL BRM

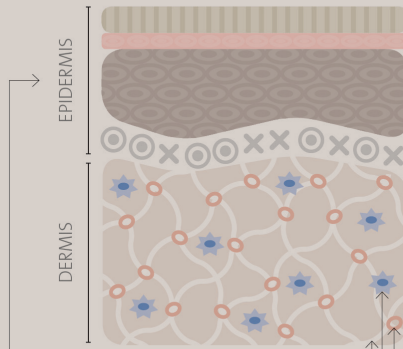
REGENERATES THE DAMAGED SKIN

QUIDGEL BRM. SKIN POWERFUL IMMUNOSTIMULANT

QUIDGEL BRM is a powerful immunostimulant derived from selected and purified fractions of three marine algae of the Rhodophyceae (red algae) and Phaeophyceae (brown algae) classes

1 YOUNG SKIN

Keratinocytes form the outer layer of the skin (epidermis), and fibroblasts in the dermis produce collagen and elastin fibers, the proteins responsible for maintaining the firmness and elasticity of the skin.



KERATINOCYTES
Cells responsible for the synthesis of keratin and the structure of the epidermis

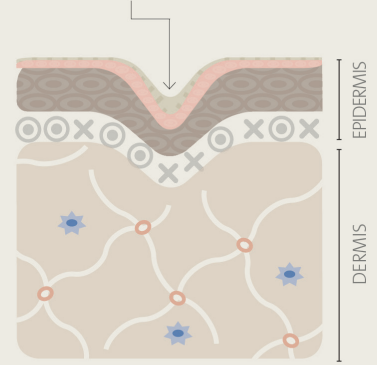
FIBROBLASTS
Cells that produce the collagen and elastin fibers of the skin

COLLAGEN
Protein responsible for the firmness and elasticity of the skin

ELASTIN
Protein associated with Collagen, also responsible for the firmness and elasticity of the skin

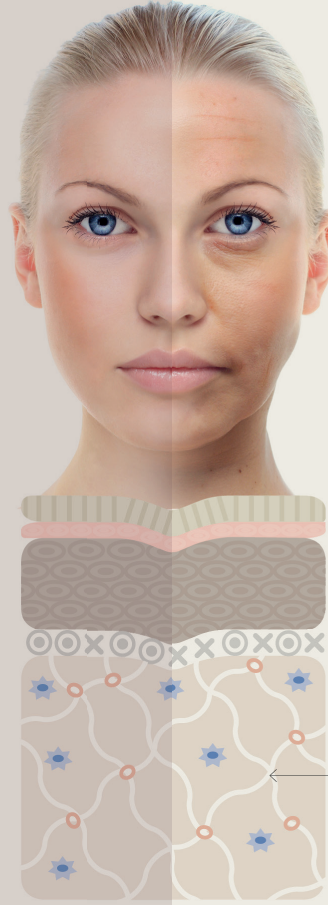
2 AGED SKIN

In aged skin, the epidermis thins and the dermis reduces the production of collagen and elastin, decreasing the firmness and elasticity of the skin, forming wrinkles.



3 ACTION OF QUIDGEL BRM

Activates the cells of the skin, regenerating the structure of the epidermis and stimulating the fibroblasts to produce collagen and elastin, recovering the structure of the skin.

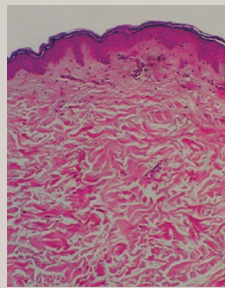


QUIDGEL BRM ACTS AS A POWERFUL AGENT IN PRODUCTS FOR THE CONDITIONING, REVITALIZING AND TREATMENT OF THE SKIN.

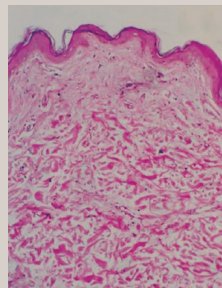
INCI NAME

Hypnea Musciformis Extract, Sargassum Filipendula Extract, Sorbitol, Botryocladia Occidentalis Extract, Sodium Benzoate and Potassium Sorbate

DERMIS AND EPIDERMIS



YOUNG SKIN
with normal dermis and epidermis (average thickness of the dermis = 37.4 µm)



AGED SKIN
with thinning of the epidermis and a flattened dermal-epidermal junction (average thickness of the dermis = 17.6 µm)

USAGE LEVELS

QUIDGEL BRM is compatible with the majority of ingredients used in cosmetic formulations for the treatment of skin.

PRODUCT	%
Emulsion (mature skin)	2.0 to 5.0%
Repairing face cream	2.0 to 4.0%
Eye area product	3.0 to 6.0%
Cream for daily use	1.0 to 5.0%
After-sun product	2.0 to 5.0%



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