

IMMUNOMODULATION

WOUND HEALING

MOISTURIZING

CELL PROLIFERATION

COLLAGEN SYNTHESIS

SUNBURN CARE

Anti-pollution Efficacy

PF SC GLUCAN

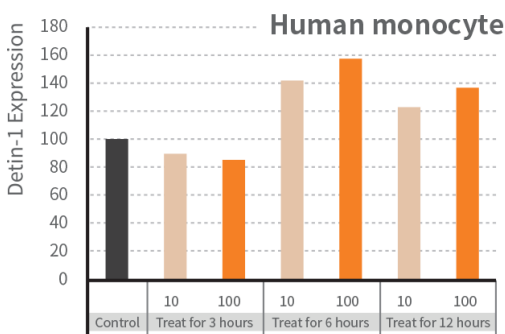
INCI NAME : WATER / GLYCERIN / PROPANDIOL / BETA-GLUCAN / PENOXYETHANOL / EHTYLHEXYLGLYCERIN

GENERAL DESCRIPTION FOR RAW MATERIAL

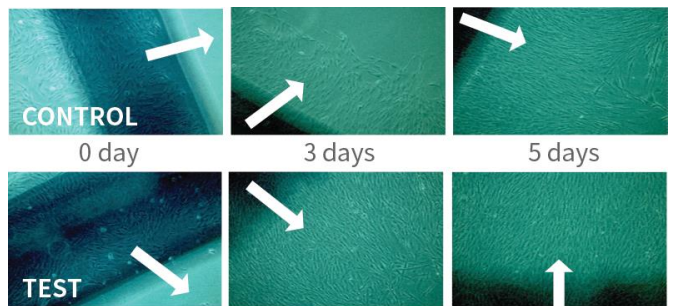
Glucans are natural polysaccharides found in oat, barley, wheat, yeast and fungi. The term “glucan” refers generically to a variety of naturally occurring homopolysaccharides or polyglucoses, including polymers such as cellulose, amylose, glycogen, laminarians and starch. Glucan encompasses branched and unbranched chains of glucose units linked by 1-3, 1-4, and 1-6 glucosidic bonds that may be of either the alpha or beta type. It is generally known that the glucan with β -(1,3) linkages has much more potent macrophage stimulating activity than any other linkage type.⁶ There are many different types of β -(1,3)-glucans. Depending on their source, they vary in physical and chemical characteristics such as their uniformity, the degree of branching, the molecular weight and the tertiary structure.

EFFICACY

Immunomodulation Effect



Wound Healing Effect



SPECIFICATION

Appearance	Colorless to light yellow liquid
Odor	Characteristic slightly odor
Identification	IR Spectrum
pH (Neat)	6.2 ~ 8.2
Viscosity (40°C , Spindle 2, 30RPM)	340 ~ 410 cps
Total bacterial count	Not more than 100cfu/g
Yeast & molds	Not more than 10cfu/g

TECHNICAL INFORMATION

Processing & Dosage

The recommended dosage of PF SC-Glucan is 1-10%. PF SC-Glucan is a water-soluble active ingredient. In order not to disturb the structure and conformation of the actives, it is recommended to incorporate it into formula at the last phase of the formulation at about 40°C.

Storage & Shelf life

PF SC-Glucan should be stored at room temperature in a tightly closed and lightproof packing. If stored in these conditions the shelf life is at least 24 months. Once the original packing is open, it is highly recommended to use at once.

Safety information

The toxicological profile of SC-Glucan was fully assessed. (Conducted in Nov, 1997)

- Acute oral toxicity
- Acute dermal toxicity
- Primary skin irritation
- Skin sensitization
- Human patch test
- Human usage test
- Eye irritation

PRODUCT INFORMATION

TRADE NAME	PF SC GLUCAN
INCI NAME	COMPOSITION (INCI Key Index)
WATER	A
GLYCERIN	C
PROPANEDIOL	D
PHENOXYETHANOL	F
BETA-GLUCAN	F
ETHYLHEXYLGLYCERIN	G
STANDARD PACKAGE	20KG

INCI Key Index
A : Greater than 50%
B : Greater than 25% but less than or equal to 50%
C : Greater than 10% but less than or equal to 25%
D : Greater than 5% but less than or equal to 10%
E : Greater than 1% but less than or equal to 5%
F : Greater than 0.1% but less than or equal to 1%
G : Less than or equal to 0.1%



The content of this document was established with utmost possible care. However, we reserve the right to add the information, to correct or to delete it without prior notice.

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