



PANTROFINA[®] PC

The **natural** active for **ultimate** skin protection

In the harsh conditions of the Mediterranean, the maritime pine tree is forced to protect itself from extreme UV exposure, salt, high temperatures and harsh winds. Within its bark, this tree creates its own natural defenses, enabling its survival in a climate where most other plants struggle to thrive.

Res Pharma has harnessed this powerful, natural defense in a cosmetic active designed to shield the skin from damage caused by everyday environmental stresses.

PANTROFINA[®] PC protects the skin from oxidative damage and fights the degenerative process while stimulating the biosynthesis and regenerative processes of skin tissue.

Activities:

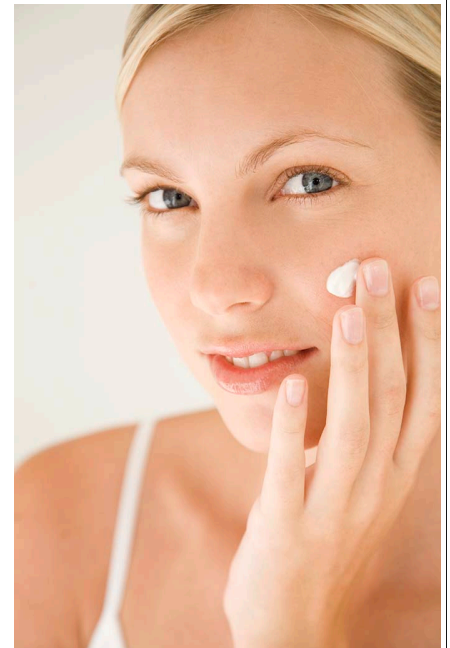
- SOOTHES - Minimizes inflammation
- STRENGTHENS - Stimulates skin's natural defenses
- PROTECTS - Scavenges free radicals

Applications:

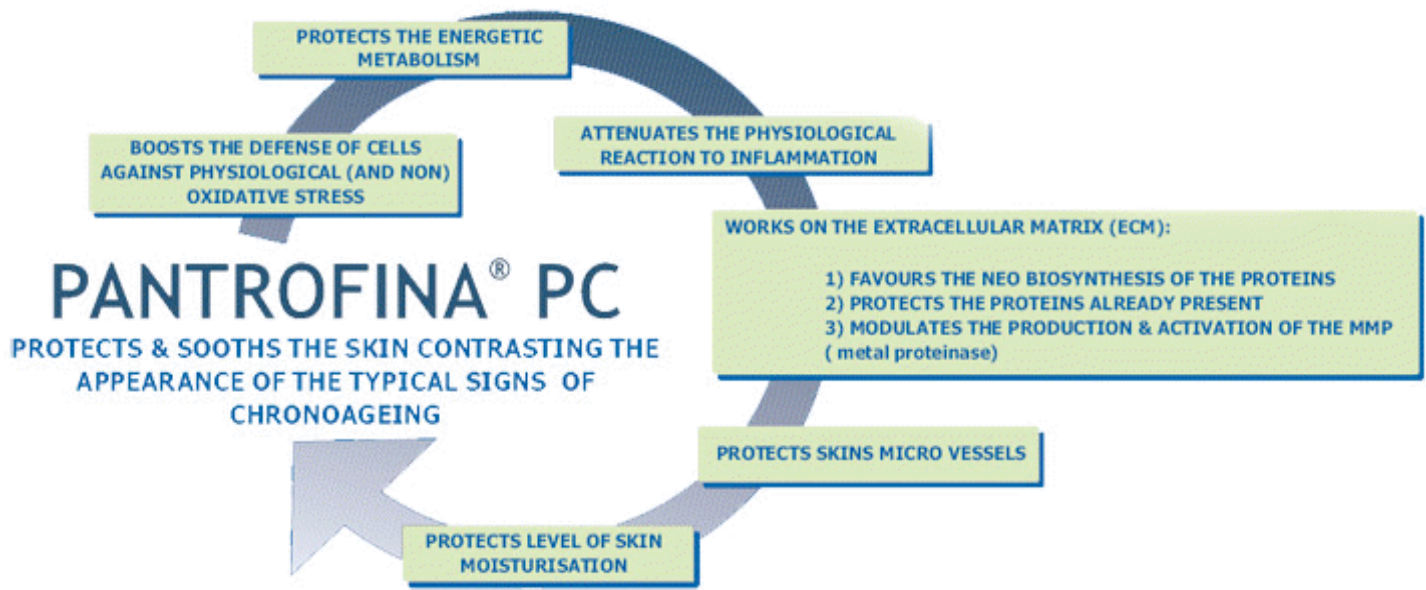
- Day/night creams
- Anti-aging serums
- After-sun products
- After-shave/depilatory products
- Skin soothing products

INCI: Diglycerin (and) Pinus Pinaster Bark Extract

Use Level: 0.1 - 1.0%

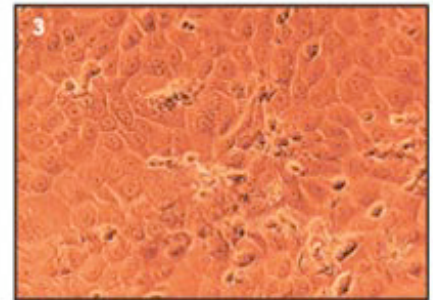
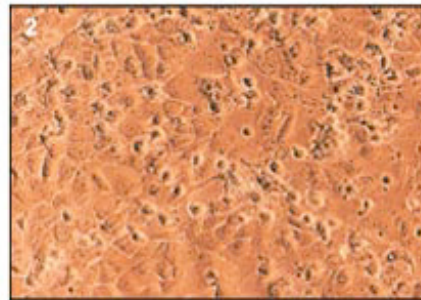
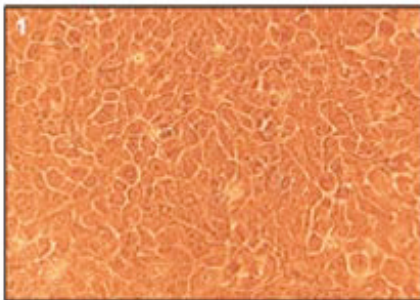


360° Protection and Revitalization



PANTROFINA® PC reduces cell mortality after UVB exposure

Vitality Recovery












Images 1 and 2 show the morphologic aspect of keratinocytes before and after a sensitizing treatment with UVB, which causes the death of numerous cells. Cell death is shown in Image 2 as black dots

The application of Pantrofina® PC after radiation causes the recovery of vitality and a reduction of cell mortality as shown above

Serve and Protect Skin Care:

Skin Absolution - A 360° night into day anti-aging cream designed to protect skin from cell damaging environmental stresses

	TRADE NAME	INCI	SUPPLIER	%
Phase I				
	Water	Water		q.s.
	Carbopol® Ultrez 20	Acrylates/C10-30 Alkyl Acrylate Crosspolymer	Protameen Chemicals	0.30
	Dermofeel PA-3	Sodium Phytate	Kinetik Technologies	0.10
	Glycerin	Glycerin	Various	3.00
	Pantenolo Glicerolo	Panthenol, Glycerin	Kinetik Technologies	1.00
	Dermosoft LP	Caprylyl Glycol, Glycerin, Glyceryl Caprylate, Phenylpropanol	Kinetik Technologies	0.50
Phase II				
	Dermofeel GSC	Glyceryl Stearate Citrate	Kinetik Technologies	5.00

	Dermofeel TC-7	Triheptanoin	Kinetik Technologies	5.00
	Dermofeel BGC	Butylene Glycol Dicaprylate/Dicaprate	Kinetik Technologies	5.50
	Phenoxyethanol	Phenoxyethanol	Various	0.50
	Pantrofina® OLV	Olea Europaea (Olive Oil) Unsaponifiables	Kinetik Technologies	1.00
	Dermofeel E 67 non GMO	Tocopherol	Kinetik Technologies	0.25
	Dermofeel SL	Sodium Stearoyl Lactylate	Kinetik Technologies	1.30
	Emulpharma 1000	Cetearyl Glucoside, Sorbitan Olivatate	Kinetik Technologies	1.00
	Stearic Acid	Stearic Acid	Various	0.50
	Hostaphat CC100	Cetyl Phosphate	Clariant Corporation	1.00
	Borage Soft Butter	Hydrogenated Borage Oil	Kinetik Technologies	1.00
	Sabal Serrulata Lipophilic	Octyldodecanol, Serenoa Serrulata (Saw Palmetto) Extract, Tocopherol	Kinetik Technologies	2.00
	Avocado Oil	Persea Gratissima (Avocado) Oil	Kinetik Technologies	0.50
Phase III				
	NaOH 25% Solution	Sodium Hydroxide	Various	1.00
Phase IV				
	Pantrofina® PC	Diglycerin, Pinus Pinaster	Kinetik Technologies	0.15
	Antioxidant Complex	Water, Vitis Vinifera (Grape) Seed Extract, Olea Europaea (Olive) Leaf Extract, Camellia Sinensis (White and Green Tea) Leaf Extract	Kinetik Technologies	0.50
pH: 5.5 - 6.5				
Viscosity: 20,000-50,000cps				

 Denotes Natural Ingredient

Procedure:

1. Charge water and begin prop mixing on low speed, slowly add Carbopol® Ultrez 20 to hydrate, about 10-15 min.
2. Add remaining Phase I ingredients and heat to 75 – 80°C.
3. Combine Phase II ingredients and heat to 75 – 80°C, add to main beaker using high speed and maintain temperature.
4. Remove from heat, add Phase III and switch to sweep mixing. Begin force cool.
5. Add Phase IV between 45-50°C.
6. Fill at room temperature.



Proudly represented in the USA by Kinetik Technologies