HELENA RUBINSTEIN

MAJOR BIOTECHNOLOGICAL INNOVATION

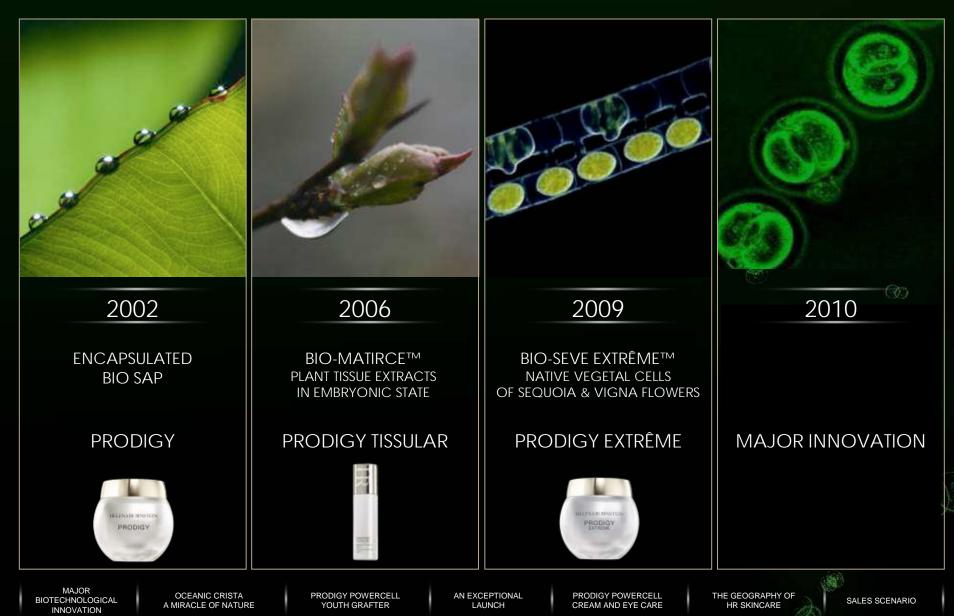
OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

-

PRODIGY RANGE PIONEER OF HIGH TECH NATURALITY







MAJOR BREAKTHROUGH ON VEGETAL STEM CELLS

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE



HELENA RUBINSTEIN CREATES: YOUTH GRAFTER CARE

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH <u>GRAFTER</u> AN EXCEPTIONAL LAUNCH

HELENAR RENSTED

PRODIGY

- NATIVE VEGETAL CELLS

youth grafter

PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

38

SKIN'S SELF-REGENERATION POWER THE SURVIVAL MECHANISM OF THE SKIN





SKIN IS AGGRESSED BY EVERYDAY LIFE, ITS NATURAL DEFENSES DIMINISH.

THE SKIN HAS A PHENOMENAL SURVIVAL INSTINCT, READY TO SELF-REPAIR BY GENERATING NEW CELLS.

WITH AGE, SKIN'S REGENERATIVE CAPACITY BECOMES EXHAUSTED.



MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

OCEANIC CRISTA A TRUE MIRACLE OF NATURE



A POWERFUL PLANT WITH EXCEPTIONAL

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

OCEANIC CRISTA A TRUE MIRACLE OF NATURE



THE HELENA RUBINSTEIN LABORATORIES HAVE ISOLATED THE QUINTESSENCE OF LIFE

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH

IAL PRO

PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

OCEANIC CRISTA A TRUE MIRACLE OF NATURE



VEGETAL STEM CELLS

100% ACTIVE POWER

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

NATIVE VEGETAL CELLS **3 POWERFUL ANTI-AGEING ACTIVITIES**





INNOVATION

YOUTH GRAFTER

LAUNCH

CREAM AND EYE CARE





AFTER 5 DAYS, THE VISIBLE SIGNS OF A YOUNGER SKIN



MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER

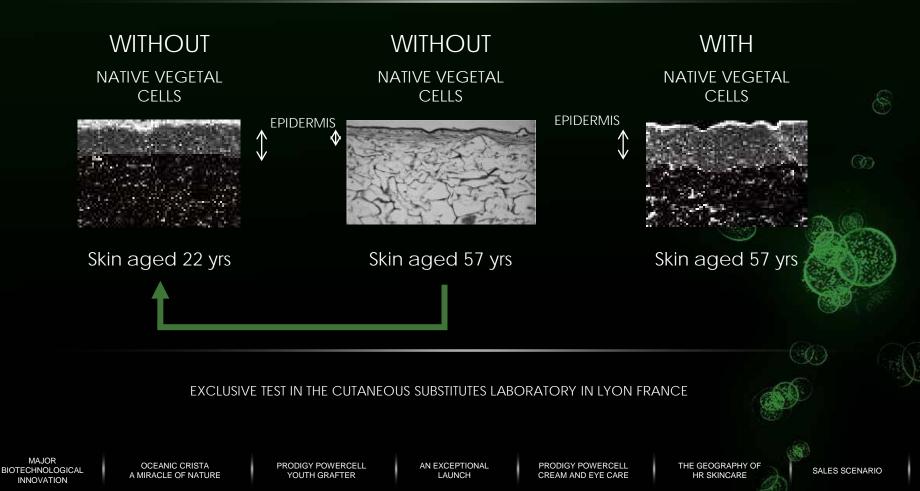
AN EXCEPTIONAL LAUNCH

PRODIGY POWERCELL CREAM AND EYE CARE

THE GEOGRAPHY OF HR SKINCARE



WITH VEGETAL STEM CELLS, THE SKIN RECOVERS THE QUALITY OF A YOUNGER, STRONGER SKIN.



MAJOR

INNOVATION



AFTER 1 MONTH, 39%* REDUCTION OF THE CROW'S FEET WRINKLES



AFTER 1 MONTH, 72.5% OF WOMEN PRESENT AN IMPROVEMENT OF INTEROCULAR WRINKLES OF AT LEAST ONE GRADE**





AFTER ONE APPLICATION SKIN TONICITY IS IMPROVED BY 15%*

AFTER 1 MONTH SKIN DENSITY IS IMPROVED BY + 9%**

*Instrumental measurement of biomechanical properties of the skin on 40 women

** Evaluation of the evolution of the cutaneous wrinkling score by a dermatologist according to a photographic scale on 42 women.

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





THE QUALITY OF THE SKIN IS VISIBLY IMPROVED. AFTER 5 DAYS, SKIN IS AS IF RECREATED:

S		89%	SKIN IS MORE SUPPLE	
	-	92%	MORE NOURISHED	
(3)		77%	MORE RADIANT	
		79%	MORE LUMINOUS	
	S	87%	SMOOTHER	
		62%	SEEMS YOUNGER	
and a second sec				

Self evaluation, 50 women

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE AN EXCEPTIONAL LAUNCH THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

-



(0)

AN EXCEPTIONAL LAUNCH

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

Sal.



PRESS CONFERENCE

>

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

PRAISED BY THE INTERNATIONAL PRESS







MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER

AN EXCEPTIONAL

LAUNCH

PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

PRAISED BY THE INTERNATIONAL PRESS





 «L'83% degli, americani oggi considera come prioritari, per la qualità di un azienda, i processi di produzione ecosostenibili»







AT.

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

PRAISED BY THE INTERNATIONAL PRESS



1 221

Oios Armani

ios smoky over? Giori

a perfección. Además, si ompras la máscara Eyes

To Kill o una paleta ne som bras, tendrás detalle extra:

la minimáscara de bolso.

iluminador milazroso son

ntinitas. Descubrelas e una clase práctica profe

sional de Touche Éclar. Artemàs, si compras un producto YSL censigues

~

Mini Lancôme

Disfruta tu talla mini

(15 ml) de este tesore

oasmético rejuvenecedor Génilique Creme Activa

riorade haentud reduce

hidrata y nutre a fonco.

iCompruébalo tú mismal

LANCOME

Consejo Kiehľs

aller cosmètico?Estu

Solutions y con el mítico

polybotics Y par 60 € pc

compra, otro regalo extra

Lip Baim (tamaño normal)

por el que suspiran las

The December of Criefs (lagra) / 1 ent: Nimi's Natro

10

is participado en alicún

estras de Dermatologist

dad. Te harás con

El Conte forges

as líneas de expresi

in neceser superco

Apity L. L

Elixir HR

Acepta el Desafío Power

cell y liévate a casa un tra-

iento para cinco días

I suerc Prodiev Power-

cell de Helena Ruhinstein

que frena en seco los sig-nos de la edad. Si además

prasel suero obfience

tual de tres minita las

Toque YSL Las posibilidades de este

Armani te los manuilla a



MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER

AN EXCEPTIONAL LAUNCH

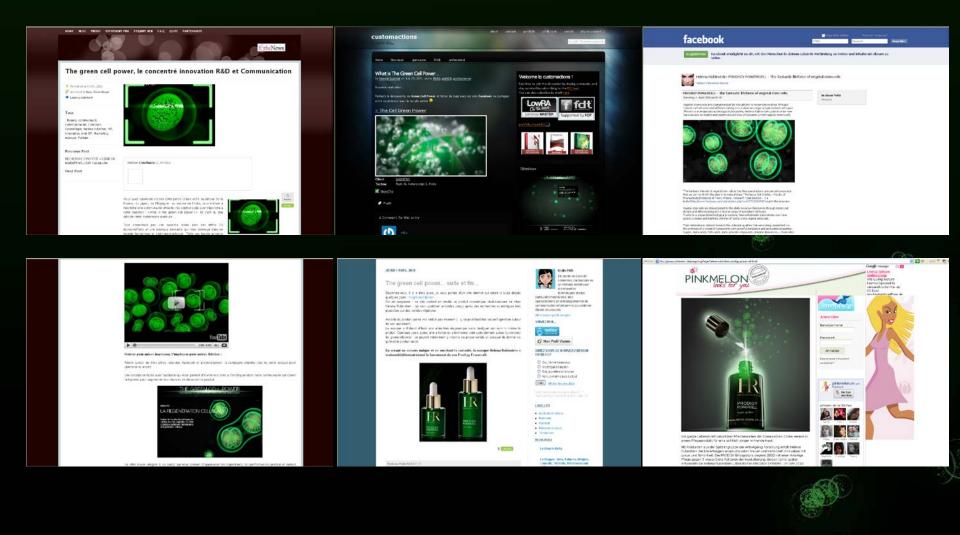
PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO

AT.

PRAISED BY BLOGGERS



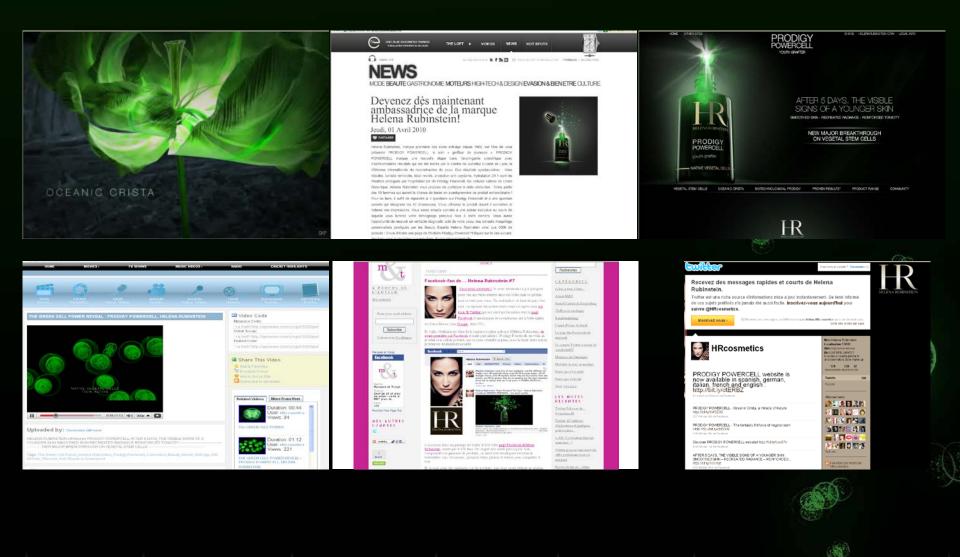


MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

PRAISED BY BLOGGERS





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

PRAISED BY WOMEN



"From the first days of use, my skin was noticeably smoother, softer and more radiant"

"A must have!"

"I'm really impressed with the improvement in my skin's quality"

"All you need is a single drop!"

"My skin felt more toned after just one application"

> "My skin is glowing with youth!"

"I'm hooked!"

"My skin is reinforced, denser"

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH

PRODIGY

NATIVE VEGETAL CEL

youth grafter

PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

EXCEPTIONAL VISIBILITY AT POINTS OF SALE



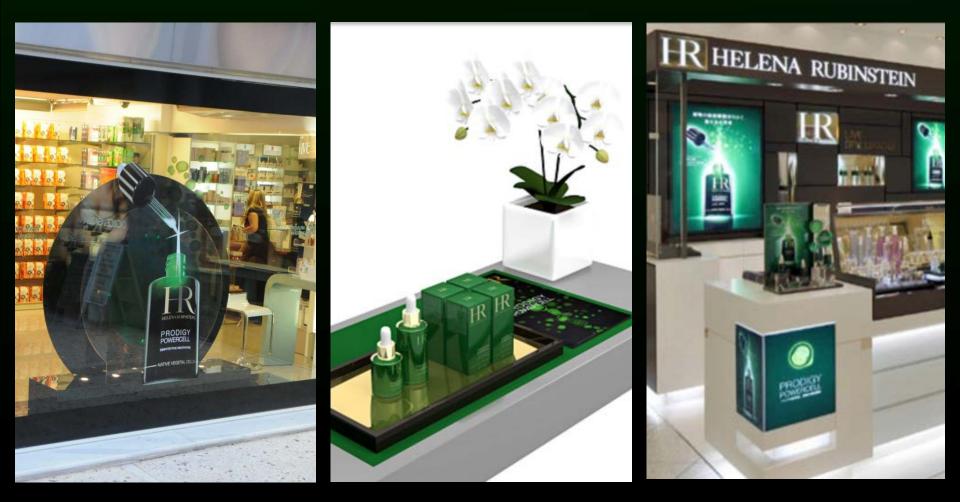


MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

EXCEPTIONAL VISIBILITY AT POINTS OF SALE





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE

CELL THE

THE GEOGRAPHY OF HR SKINCARE

EXCEPTIONAL VISIBILITY AT POINTS OF SALE





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE

L THE GE

THE GEOGRAPHY OF HR SKINCARE

INTERNATIONAL PRESS CAMPAIGN





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

POWERCELL CONTINUES TO BE POWERFUL...





PRODIGY POWERCELL

YOUTH GRAFTER

THE CREAM



YOUTH GRAFTER

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER

HELENA RUBINSTEIN

PRODIGY

AN EXCEPTIONAL LAUNCH

HELENA RUBINSTE

PRODIGY

POWERCELL youth grafter NATIVE VEGETAL CELL

> PRODIGY POWERCELL CREAM AND EYE CARE

THE GEOGRAPHY OF HR SKINCARE

PRODIGY POWERCELL



TWO NEW FORMULAS ASSOCIATING THE POWER OF OCEANIC CRISTA STEM CELLS WITH A POWERFUL ANTI-OXIDANT COMPLEX

MAJOR BIOTECHNOLOGICAL INNOVATION

HELENA RUBINSTEIN

PRODIGY

POWERCELL

OCEANIC CRISTA A MIRACLE OF NATURE

HELENARUBINSTE

PRODIGY

POWERCELL

youth grafter

PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

PRODIGY POWERCELL



FOR ULTIMATE ANTI-AGEING DEFENSE AND VISIBLE SKIN REJUVENATION

MAJOR BIOTECHNOLOGICAL INNOVATION

HELENA RUBINSTEIN

PRODIGY

POWERCELL

OCEANIC CRISTA A MIRACLE OF NATURE

HELENARUBINSTE

PRODIGY

POWERCELL

youth grafter

PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

EXCEPTIONAL TECHNOLOGY



OCEANIC CRISTA VEGETAL STEM CELLS 100% ACTIVE POWER

EMBLICA EXTRACT POWERFUL ANTI-OXIDANT 100% ACTIVE DEFENSE





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE



YOUTH GRAFTER THE CREAM DAILY ANTI-AGING REPAIR AND DEFENSE

TECHNOLOGY

OCEANIC CRISTA VEGETAL STEM CELLS EMBLICA EXTRACT, A POWERFUL ANTI-OXIDANT VITAMIN E & LHA

RESULT

FORTIFIED SKIN, REDUCED WRINKLES, REVEALED RADIANCE, CONTINUOUS HYDRATION



SALES SCENARIO

L THE GEOGRAPHY OF E HR SKINCARE

PRODIGY POWERCELL CREAM AND EYE CARE

AN EXCEPTIONAL LAUNCH

PRODIGY POWERCELL YOUTH GRAFTER

OCEANIC CRISTA A MIRACLE OF NATURE

MAJOR BIOTECHNOLOGICAL INNOVATION





REDUCED WRINKLES

	After 4 weeks*	
Number of wrinkles	-9.9%	
Total wrinkled surface	-11.5%	
Total length of wrinkles	-13.1%	

Results confirmed by women: 96% of women observed smoother skin**

*40 women with crow's feet wrinkles used the product twice a day over 4 weeks

** self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE



LONG-LASTING HYDRATION



After 4hrs		+28%
After 8hrs		+22%

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





RECREATED RADIANCE

More luminous skin	88%
More uniform skin	88%
More regular skin texture	88%
Revitalized	94%

** self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





POWERFUL ANTI-OXIDANT PROTECTION

35% inhibition of sebum photo-peroxidation under UVA

*40 women with wrinkles in the crow's feet area used the product twice a day over a period of 4 weeks

** self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

YOUTH GRAFTER THE EYE CARE

ACTIVE ANTI-AGING REPAIR AND DEFENSE FOR THE EYE CONTOUR



TECHNOLOGY

OCEANIC CRISTA VEGETAL STEM CELLS EMBLICA EXTRACT, A POWERFUL ANTI-OXIDANT CAFFEINE, ESCINE, HEPES

METALLIC APPLICATOR

HIGH-PRECISION FOR AN INSTANT INVIGORATING AND SMOOTHING EFFECT

THE GEOGRAPHY OF

HR SKINCARE

RESULT

IMMEDIATE ANTI-PUFFINESS DESATURATED DARK CIRCLES, SMOOTHED WRINKLES

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE

PRODIGY eye care soin veux

PRODIGY POWERCELL

YOUTH GRAFTER



SALES SCENARIO

LAUNCH

AN EXCEPTIONAL





REDUCED WRINKLES

	After 4 weeks*	
Number of wrinkles	-12%	
Total length of wrinkles	-13%	

Results confirmed by women: 90% of women observed their skin was smoother **

 $^{\star}40$ women with wrinkles in the crow's feet area used the product twice a day over 4 weeks

** self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





DESATURATED DARK CIRCLES

Aftor	Λ	weeks*
AILEI	4	AACCV3

Eye contour appears more rested 83%

Dark circles less intense 78%

* Self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





PUFFINESS DECONGESTED*

Reduced puffiness	28.7%
Eye contour skin less slack	13.9%
Upper lid sagging	- 30.7%

Results confirmed by women: 97% of women observed their eyelids were less puffy**

* Profilometric and photographic study carried out on 33 women

** Self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE





POWERFUL ANTI-OXIDANT PROTECTION

69% inhibition of sebum photo-peroxidation under UVA.

*40 women with wrinkles in the crow's feet area used the product twice a day over 4 weeks

** Self-evaluations by 54 women over 4 weeks

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

HELENA RUBINSTEIN SKINCARE





SALES SCENARIO





Youth grafter Eye contour

MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER

AN EXCEPTIONAL LAUNCH

PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

SALES SCENARIO





MAJOR BIOTECHNOLOGICAL INNOVATION

OCEANIC CRISTA A MIRACLE OF NATURE PRODIGY POWERCELL YOUTH GRAFTER AN EXCEPTIONAL LAUNCH PRODIGY POWERCELL CREAM AND EYE CARE THE GEOGRAPHY OF HR SKINCARE

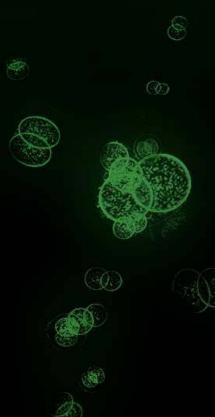


-

HELENA RUBINSTEIN



FIND OUT MORE For internal use





GROUNDBREAKING IN VIVO TESTS carried out by Dr. Piérard on the exceptional activity of Oceanic Crista stem cells

Coming soon...



GROUNDBREAKING IN VITRO TESTS on the exceptional activity of Oceanic Crista stem cells

Carried out at the reference international Skin Substitutes Laboratory, Lyon – France





Carried out at the reference international Skin Substitutes Laboratory, Lyon – France

For the very first time, tests prove the prodigious power of native vegetal cells of Oceanic Crista on laboratory reconstructed skin.

A groundbreaking study in the field of cosmetics on skin construction in vitro was carried out at the Lyon Skin Substitutes Laboratory, an affiliate of the French National Scientific Research Center (CNRS), led by Odile Damour. The international reference on the subject of skin reconstruction, this laboratory is specialized in epidermal and dermal reconstruction in vitro using skin grafts.

Spectacular results have demonstrated the remarkable regenerative properties of native vegetal cells of Oceanic Crista for the first time: they promote skin development in vitro, in terms of both its quality and the speed of its reconstruction.

The results observed are remarkable: the study demonstrates that, under the effect of native vegetal Oceanic Crista cells, the epidermis gains a week's head-start in its regeneration process, making it fuller and more differentiated – signs of younger skin.

*Centre National de la Recherche Scientifique française





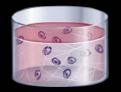
Reconstruction experiment run on skin model in vitro completed in record time at the Lyon Skin Substitutes Laboratory.

THE CHALLENGE OF OBSERVING REGENERATION LIVE

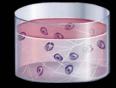
Starting with reconstructed dermis equivalent produced using a technique specific to the Skin Substitutes Laboratory, the challenge was to compare the quality of reconstructed skin in an optimised medium with and without Oceanic Crista native vegetal cells.

"The reconstructed dermis equivalent the we use is equivalent to skin that has suffered 3rd degree damage – its epidermis is entirely absent," explains Odile Damour. "By seeding keratinocytes onto this 'dermis equivalent' and observing progressive epidermal regeneration, we are effectively imitating the procedure of grafting epidermis onto dermis".

WITHOUT ACTIVE INGREDIENT OCEANIC CRISTA NATIVE VEGETAL CELLS



Control (C) Control reconstructed dermis equivalent WITH ACTIVE INGREDIENT OCEANIC CRISTA NATIVE VEGETAL CELLS



Trial (T) Reconstituted dermis equivalent bathed in medium supplemented with Oceanic Crista native vegetal cells



TIME "0"

The first step is to reconstruct two dermis equivalents starting with fibroblasts (dermal cells) derived from human skin (aged over 50).

One, (C), will be used as a control. The other, (T), will be used to test the effectiveness of Oceanic Crista native vegetal cells.

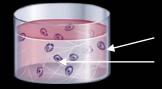
To this end, the fibroblasts extracted are seeded in parallel onto two indentical dermal substrates, composites of collagen-glycosaminoglycan-chitosan, bathed in a nutrient-enriched medium.

Only the medium used in culture T benefits from the addition of the Oceanic Crista native vegetal cells being tested. In both cases, 3 weeks' culture are sufficient to observe the progressive structuring of a collagen-based dermis: this can then be used as a basis for the regeneration of epidermal cells seeded later.

1st step

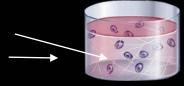
Collagen matrix with surface fibroblasts

WITHOUT ACTIVE INGREDIENT OCEANIC CRISTA NATIVE VEGETAL CELLS



Control (C) Control reconstructed dermis equivalent

Collagen matrix Surface fibroblasts WITH ACTIVE INGREDIENT OCEANIC CRISTA NATIVE VEGETAL CELLS



Trial (T) Reconstituted dermis equivalent bathed in medium supplemented with Oceanic Crista native vegetal cells



IN VITRO SKIN RECONSTRUCTION STUDY REPORT

TIME "21 DAYS"

Results:

At this stage we can already observe the superior quality of the reconstructed dermis in the presence of Oceanic Crista native vegetal cells.



С

The dermis is poorly structured with some fibroblasts grouped together and remaining close to the surface.



HELENA RUBINSTEIN

The dermis is well structured, with fibroblasts evenly distributed

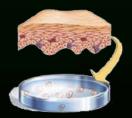


IN VITRO SKIN RECONSTRUCTION STUDY REPORT

TIME "21 DAYS"

2nd stage

We now introduce keratinocytes (epidermal cells), onto each of the dermis equivalents produced so as to observe their development. The culture is carried out in an immersive medium to which, in case T only, Oceanic Crista native vegetal cells are added.



Extraction of keratinocytes from epidermis

The epidermal keratinocytes are placed in suspension before being introduced onto the dermis equivalent.



C Dermis equivalent + keratinocytes in immersive medium

Т

Dermis equivalent + keratinocytes in immersive medium supplemented with active ingredient

IN VITRO SKIN RECONSTRUCTION STUDY BREAKDOWN

TIME "21 DAYS"

HELENA RUBINSTEIN

3rd stage Both cultures are given free air exposure.



7 days after epidermisation, the skin samples are raised to the air/liquid interface using a tripod, which is crucial for epidermal differentiation and formation of the stratum corneum.

HELENA RUBINSTEIN

IN VITRO SKIN RECONSTRUCTION STUDY BREAKDOWN

TIME "35 DAYS"

At this point initial observations can be made: both cultures undergo histological and immunohistological analysis. <u>Observations regarding the epidermis</u>

Initial observations are encouraging:

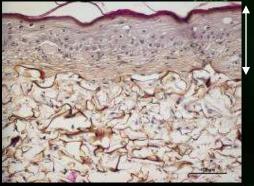
Hostological analyses show that, after two weeks, the epidermis of reconstituted skin T, treated with Oceanic Crista native cells, is far thicker, with a pluri-stratified and thickened epidermal layer.

In sample T, the epidermis already appears thickened and pluristratified. It is formed from 3 to 6 suprabasal cell layers while sample C only shows one. Furthermore, it is already differentiated, showing a stratum corneum. Therefore the skin is already almost entirely reconstituted!

Oceanic Crista cells have allowed the epidermis to win a week's head-start in its regeneration process, compared with reconstituted skin not treated with Oceanic Crista native vegetal cells.



C Epidermis remains very thin, made up of just one layer.



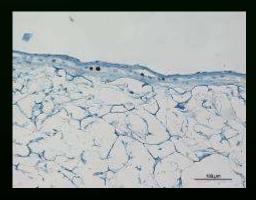
Epidermis X5 thicker on average

Epidermis is already made up of 3 to 6 layers, and has begun to produce a corneal layer.

IN VITRO SKIN RECONSTRUCTION STUDY BREAKDOWN

TIME "35 DAYS"

Observations of proliferation marker Ki 67



C Proliferation marker Ki 67 virtually absent



T Significant expression of proliferation marker Ki 67

These results are confirmed by the analysis of a proliferation marker (Ki 67): in the treated reconstituted skin, Ki 67 expression in epidermal cells is increased by a factor of 5 compared with the untreated skin, explaining its faster regeneration and suggestive of a long-lasting effect.

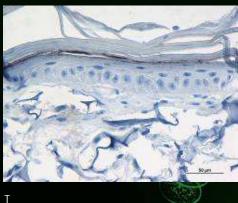


IN VITRO SKIN RECONSTRUCTION STUDY BREAKDOWN

TIME "42 DAYS"



C Total absence of filaggrin



T Filaggrin well expressed.

Observation of filaggrin (marker of terminal epidermal differentiation)

Similarly, the analysis of filaggrin expression – a marker of terminal epidermal differentiation (of the corneal layer) – shows that expression is only observed in culture T at this stage. Skin regains crucial aspects of its barrier function under the action of Oceanic Crista native vegetal cells.





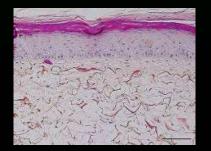
IN VITRO SKIN RECONSTRUCTION STUDY BREAKDOWN

Conclusion

Scientifically proven benefits of accelerated regeneration:

This is the first time this kind of experimental set-up has been orchestrated. Odile Damour believes it is irrefutable that "Oceanic Crista native vegetal cells promote the rapid development of an epidermal graft onto equivalent dermis and the restoration of its protective functions by stimulating the proliferation and differentiation of epidermal cells". Native Oceanic Crista cells show remarkable stimulatory effects: in their presence, the epidermis regains all of its structural qualities, functioning perfectly a week prior to its usual regeneration time within the study's experimental studies.

Added to this, after 35 days, under the effects of Oceanic Crista native vegetal cells, we observed that this epidermis on reconstructed skin (fibroblasts extracted from 50 year old skin) resembles younger skin, with thickness almost identical to skin reconstructed using 22 year old fibroblasts:



Reconstructed skin using 22 year old fibroblasts (no active ingredient) (after 42 days)



Reconstructed skin using fibroblasts over 50 years old, in the presence of Oceanic Crista native vegetal cells (after 35 days)



HR SERUMS





TECHNOLOGY

RESULT

'ARGEI

COMPETITIVE REALM





HR plus points

THE VITAL POWER OF VEGETAL STEM CELLS

3 SUPER POWERFUL ACTIONS Cellular regeneration Tissular regeneration Anti-free radical defenses

CLINICALLY PROVEN RESULTS Skin is as though recreated. Stronger, radically younger. Wrinkles reduced – reinforced tonicity Recreated radiance

estée lauder

ADVANCED NIGHT REPAIR SYNCHRONISED RECOVERY COMPLEX



Timekeeper genes/ DNA

TERRITORY

ACTIONS & BENEFITS

Encourages gene synchronisation and repairs damage (pollution, smoke...) Optimum protection & intense hydration

activity. Stmulates production of youth proteins. Skin is visibly Rejuvenated after 7 days.

Relaunches gene

Genes/

Youth proteins

GÉNIFIQUE

YOUTH ACTIVATOR

ANCÔM

RENIEROU

LANCÔME BIOTHERM

SKIN VIVO ANTI-AGING REVERSAL SERUM RENEWED SKIN PERFECTER



CAPTURE TOTALE ONE ESSENTIAL INTENSE CELLULAR REGENERATOR



DNA + Genes

Repairs DNA micro-alterations and relaunches activity of cellular life genes. Tautening effect. Skin looks brand new. After 4 weeks, skin's quality is visibly rejuvenated.



Eliminates molecular toxins to reactivate skin repair and improve its active receptiveness to anti-aging active ingredients.

HELENA RUBINSTEIN

-