

Telophi™

biotech ingredient

Restoring
facial harmony



Biotechnological ingredient produced from a microorganism that lowers cellular stress to protect telocytes and proliferating epidermal stem cells from psychological stress and aging, improving extracellular matrix homeostasis and collagen integrity to preserve the skin's healthy appearance.

- **Protecting telocytes and stem cells from psychological stress and aging**
- **Collagen care full approach**
- **Firmer, lifted and harmonious face shape**

INGREDIENT NAME: Glycerin, Water (Aqua), Bacillus Ferment

COMMERCIAL SOLUTION: Transparent solution containing 0.2% Bacillus Ferment.

USE LEVEL: 2%

SOLUBILITY: Water soluble.

SUSTAINABILITY: As part of our commitment to restoring ocean ecosystems, Lubrizol has donated to the Coral Restoration Foundation—a leading non-profit organization dedicated to rebuilding and protecting the world's coral reefs.

- Natural origin content: 100% (ISO16128)

SCIENCE

Psychological stress triggers a rise in cortisol, which not only impacts mental well-being but also accelerates visible signs of aging – dulling radiance, deepening wrinkles, and disrupting facial harmony. But stress isn't the only culprit. Photoaging and intrinsic aging also weaken the skin's ability to repair and regenerate over time.

At the heart of skin regeneration are telocytes – specialized cells that communicate through exosomes to support stem cells and maintain the skin's structural balance.

Telophi™ biotech ingredient helps skin resist the visible effects of stress and aging. *In vitro* studies show it promoted the proliferation of telocytes and protected their exosome release from cortisol-induced damage. *Ex vivo*, it significantly increased telocyte numbers in aged skin. It also revitalized stem cells, strengthened the extracellular matrix (ECM), and improved dermal-epidermal junction (DEJ) cohesion. *In vivo*, it delivers visible results: firmer, lifted skin, reduced wrinkles appearance, and a more luminous and harmonious face, restoring a stress-resilient appearance.



You know the destination
We'll help you reach it sustainably



China compliant



Ecocert-COSMOS



Facial



Anti-aging



Facial lifting



Firming



Glowing

Lubrizol

Imagined for Life. Enabled by Science.™

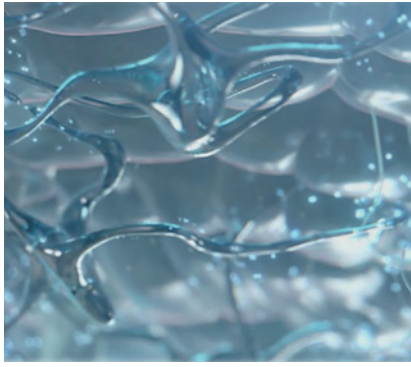
In vitro & ex vivo efficacy

BOOST OF SKIN TELOCYTES

by 19.6%.

MINIMIZING STRESS DAMAGE INDUCED BY CORTISOL

- Telocytes protection
- Preserved exosomes release
- Recovery of stem cells regenerative capacity



REDUCING SKIN AGING EFFECTS

- Enhanced telocytes number by 73.5%
- Increase in collagen type I by 33.9%
- Boosting elastin levels 97.1%
- 29.9% higher Laminin-5 levels for better DEJ cohesion
- Increased cytokeatin 15 levels showing improved stemness potential

Protection of telocytes, exosomes and proliferating epidermal stem cells from psychological stress damage

Full approach to collagen care, counteracting aging-induced stress damage to the ECM:

1. Increased total collagen and collagen type I levels
2. Better collagen fiber quality
3. Improved collagen directionality dispersion

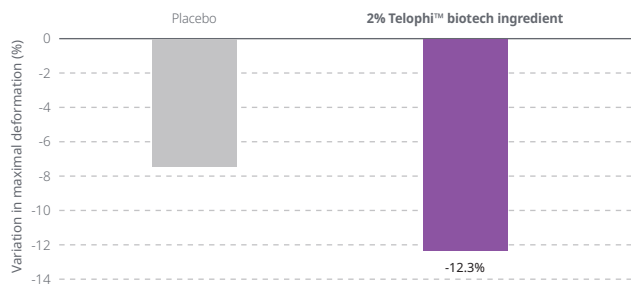
Improved DEJ cohesion and integrity

In vivo efficacy

SKIN REVITALIZATION FOR BETTER AGING

42 female volunteers with psychological stress determined by salivary cortisol test applied a cream with **2% Telophi™ biotech ingredient** or a placebo cream on the face twice a day for 28 days.

- **Firming effect:** measurement of maximal deformation (RO) by cutometry



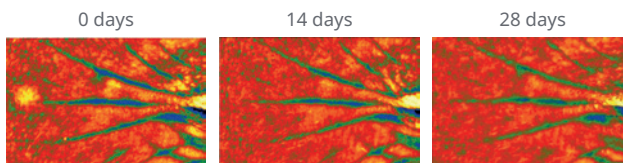
Firmer skin and lifting effect after 28 days

Improved symmetry of the oval contour by **6.3%**

Enhanced epidermal thickness

Significant reduction of wrinkles volume by **21.5%**

- **Reduced visibility of wrinkles:** measured by means of a real 3D microtopography imaging system based on fringe projection (PRIMOS)

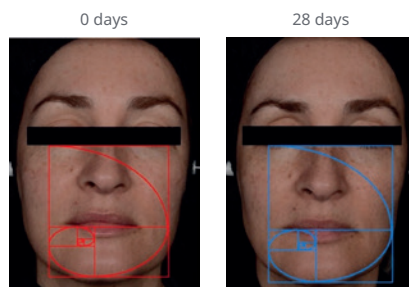


Luminosity increased globally by **13.9%** and more uniform after 14 days

RESTORING A STRESS-RESILIENT APPEARANCE

29 female volunteers with psychological stress determined by salivary cortisol test applied a cream with **2% Telophi™ biotech ingredient** or a placebo cream on the face twice a day for 28 days.

- Increased skin luminosity
- Facial proportions closer to Phi ratio



Facial proportions closer to Phi ratio, increasing facial symmetry for a rejuvenated facial appearance

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