

VITACELL™

Cell energy booster

- Stimulates **cells' metabolism**.
- Improves **oxygen** uptake.
- Regenerator of **epidermal energy**.

Recharge cells' battery to energize
dull, fatigued skin!
Save your skin energy!



LABORATOIRES
SÉROBIOLOGIQUES

Division de Cognis France

ACTIVE INGREDIENT FOR SKIN CARE

DEFINITION

If we think about youth, we think of outward signs of energy. Cells draw their energy from ATP, the universal bio energy mediator molecule, often called "the fuel of life", which skin needs to reconstruct and regenerate itself. LS scientific works have shown that the level of intercellular ATP dramatically and regularly decreases with aging. Due to this condition of "low battery", skin becomes tired, more vulnerable to external aggression and more prone to aging.

No matter your age, there are things you can do to make your skin look and feel younger, healthier!

Here is the solution: recharge your skin with youthful energy with VITACELL™, a natural active substance, isolated and purified from a unicellular eukaryote micro-organism *Saccharomyces cerevisiae* (yeast).

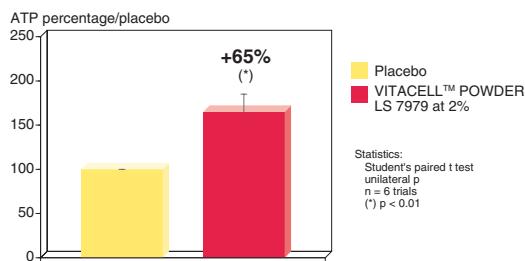
VITACELL™ is a strong cell-energy-booster thanks to its capacity to stimulate:

- cell's ability to biosynthesize and regenerate ATP,
- respiratory metabolism in skin cells (demonstrated in clinical test by increase of the intake of oxygen).

With VITACELL™ skin feels energised, revitalised and recovers its energy potential similar to energy of young skin!.

EFFICACY TESTS

Stimulation of the epidermal ATP synthesis (*ex-vivo*)



VITACELL™ POWDER LS 7979 at 2%. Illustration of its stimulating effect on epidermal intracellular ATP stimulation following a topical application.

Experiments were conducted in skin biopsies taken from 6 female volunteers, 21 to 55 years old. The energizing activity was identified and quantified by assaying epidermal intracellular ATP (bioluminescence).

Results: topical application of a 2% VITACELL™ emulsion has a clear stimulating effect on the biosynthesis of epidermal intracellular ATP (+ 65% in comparison with the placebo emulsion).

Complementary tests:

- Stimulation of cell vitality (*in vitro*): + **47%** increase of ATP synthesis in growing cells after 3 days, + **46%** increase of ATP synthesis in surviving cells after 6 days.
- Stimulation of cell metabolism on epidermal keratinocytes (*in vitro*): strong stimulating effect observed.
- Stimulation of metabolic activity: emulsion with 2% of VITACELL™ POWDER increases intake of oxygen by cells by **45%** vs. placebo (clinical study).
- Stimulation of O₂ consumption of epithelial cells (*in vitro*): VITACELL™ increases oxygen consumption from + **19.5%** to **57.7%** according to tested concentrations.

COSMETIC APPLICATIONS

- Anti-age treatments, especially for tired, dull, atonic skin.
- Skin energy boosters (anti-fatigue men care, oxygen boost care etc...).
- Night regeneration care.

TECHNICAL DATA

VITACELL™ LS 8430

INCI : Yeast Extract
Preservatives : Phenoxyethanol, Methylparaben
Dose of use : 2 - 5%

VITACELL™ POWDER LS 7979

INCI : Mannitol (and) Yeast extract
Preservatives : unpreserved
Dose of use : 1 - 2%
Solubility : soluble in water, insoluble in fats