

BIODERMA

LABORATOIRE DERMATOLOGIQUE

THE ECOBIOLOGICAL
APPROACH TO
IMPROVE YOUR PATIENTS'
SKIN CONDITIONS





THE FOUNDING COMPANY OF

BIODERMA
LABORATOIRE DERMATOLOGIQUE

INSTITUT
ESTHEDERM
PARIS

état pur

NAOS is the pioneer of a unique scientific approach, called Ecobiology.

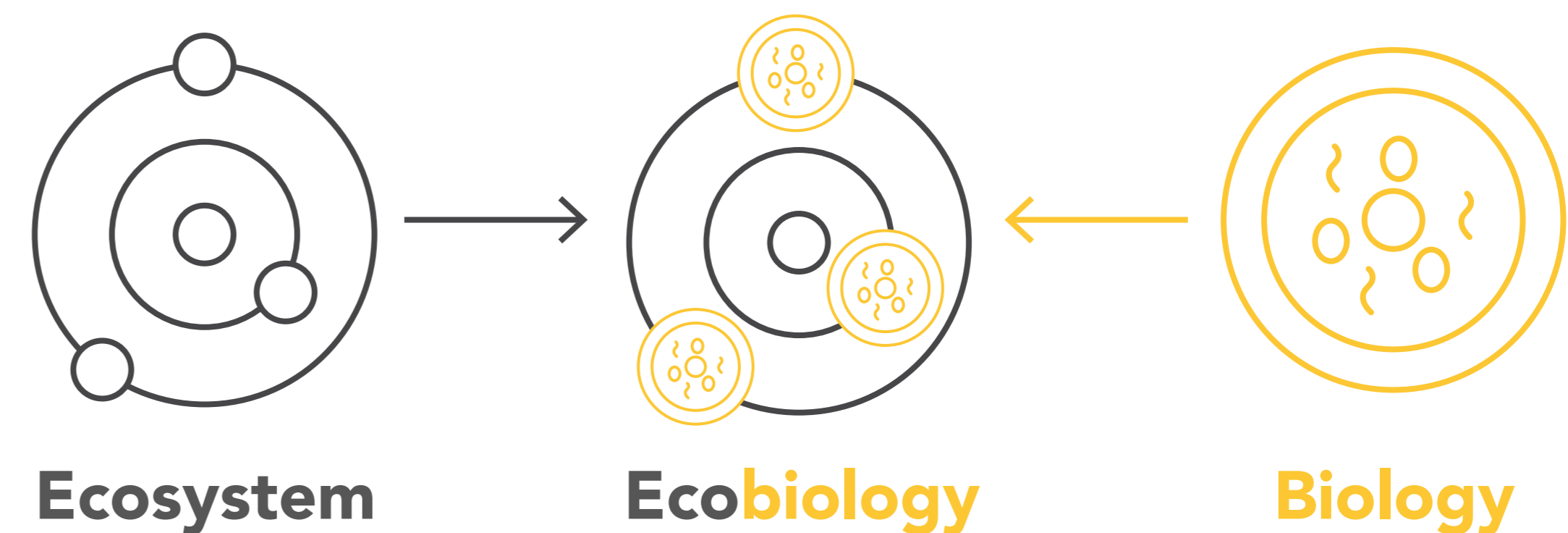
Eco for Ecosystem, because we consider skin as a living ecosystem.

Biology, because we act with skin's own biology.

Ecobiology

- **Favors biomimetic ingredients**, where solutions already exist in the skin, to help the skin strengthen itself;
- **Replicates and stimulates the skin's natural mechanisms**, allowing it to balance and regenerate itself;
- **Acts on the causes** rather than just the clinical consequences.

ECOBIOLOGY in a nutshell:
skin as our source of inspiration



ECOBIOLOGY FOR ATOPIC SKIN

Atoderm Intensive baume

FAVORS BIOMIMETIC INGREDIENTS

PEA, an endogenous regulator of pruritus & pain
LIPIGENIUM™ containing phytosphingosine, fatty acids, ceramides & cholesterol

ACTS ON SKIN'S NATURAL MECHANISMS

LIPIGENIUM™ boosts filaggrin gene expression
PEA regulates neuronal & immune activities to relieve pruritus

ACTS ON CAUSES SKIN BARRIER THERAPY™

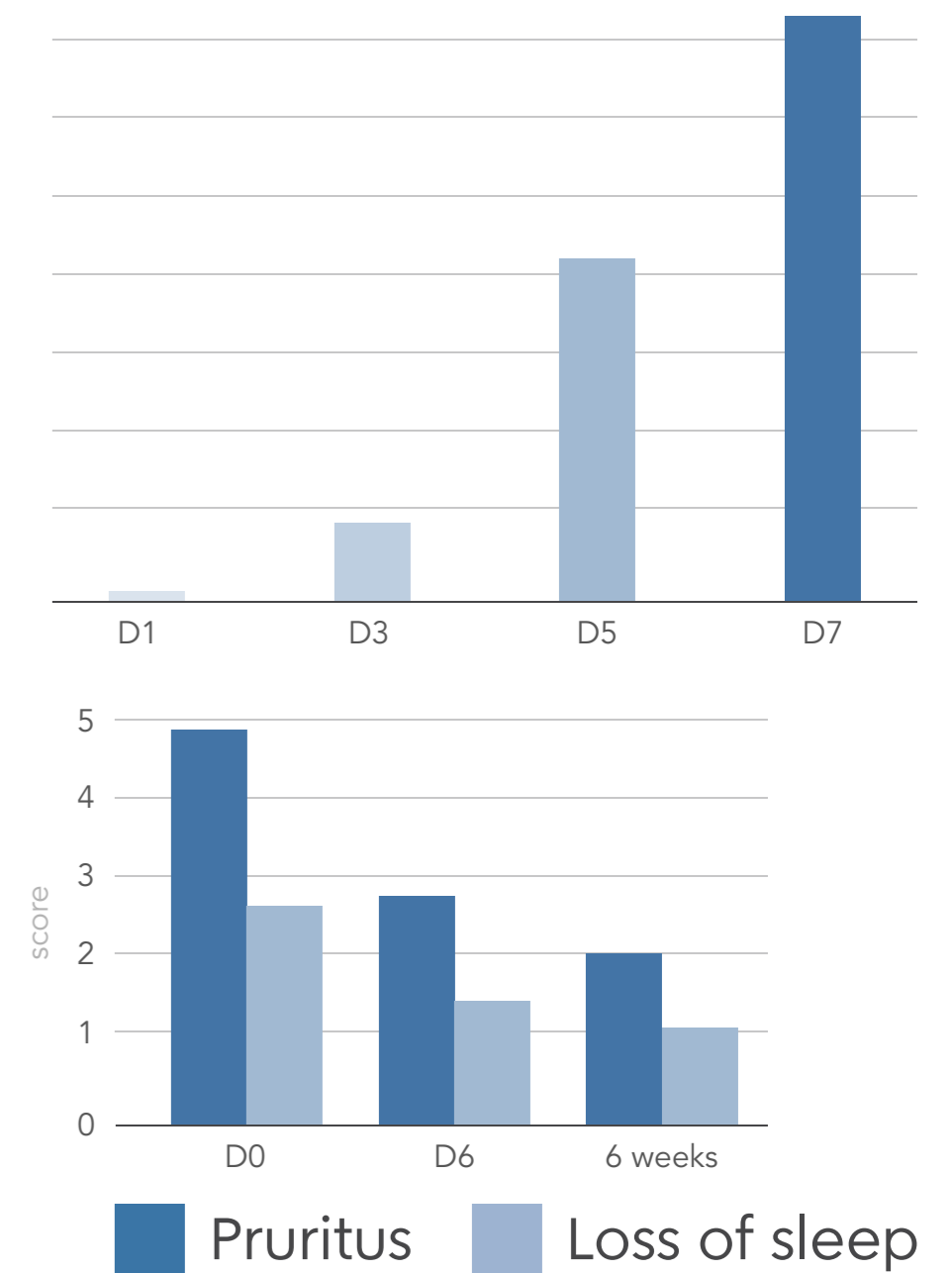
inhibits formation of *S. aureus* biofilm formation, a key trigger of flare-ups

(1) *In vitro* test, increased expression of filaggrin gene in keratinocytes by phytosphingosine contained in Lipigenium™ technology, evaluated by RT-qPCR (Grether-Beck S et al. 2004. Proceedings of the IFSCC).
 (2) Eberlein B, Eicke C, Reinhardt HW, Ring J. Adjuvant treatment of atopic eczema: assessment of an emollient containing N-palmitoylethanolamine (ATOPA study). J Eur Acad Dermatol Venereol. 2008 Jan;22(1):73-82.
 (3) *In vitro* test on reconstructed epidermis, inhibition on *S. aureus* after 24h of incubation with or without Atoderm Intensive baume.

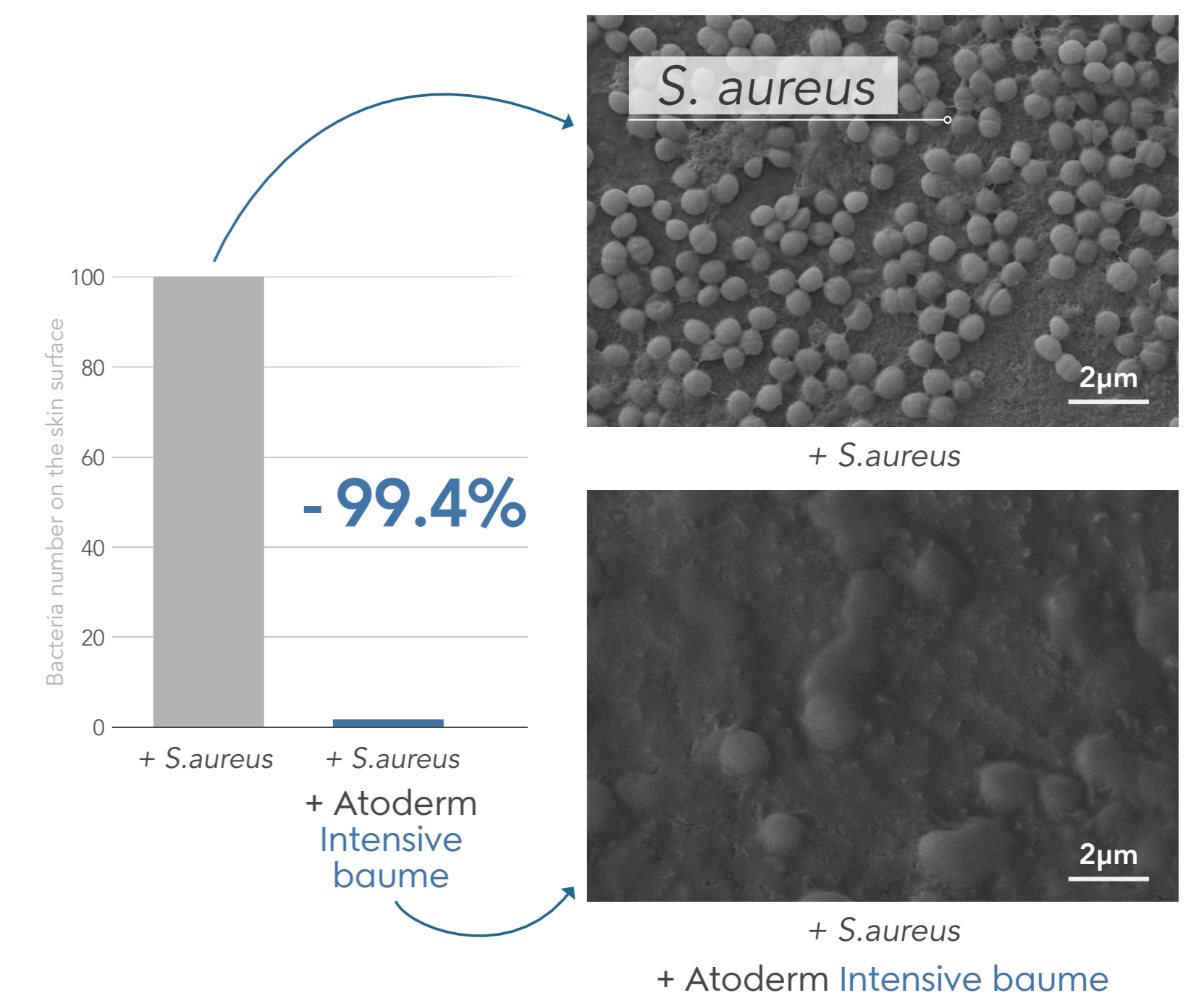


x37
FILAGGRIN
 EXPRESSION IN 7 DAYS⁽¹⁾

RELIEVES PRURITUS & IMPROVES SLEEP⁽²⁾



INHIBITS S. AUREUS BIOFILM FORMATION⁽³⁾



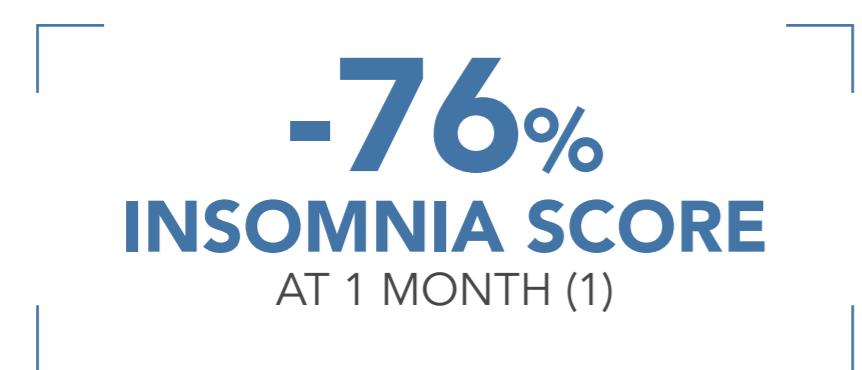
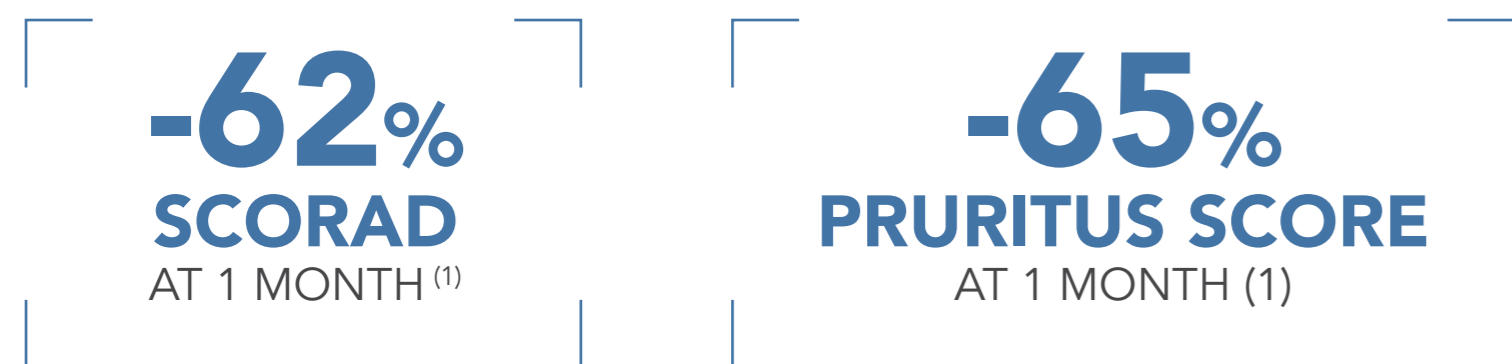
ECOBIOLOGY FOR ATOPIC SKIN

Atoderm Intensive baume

LONG-LASTING BENEFITS FOR PATIENTS' QUALITY OF LIFE

IN ASSOCIATION WITH TREATMENTS

reduced SCORAD & pruritus



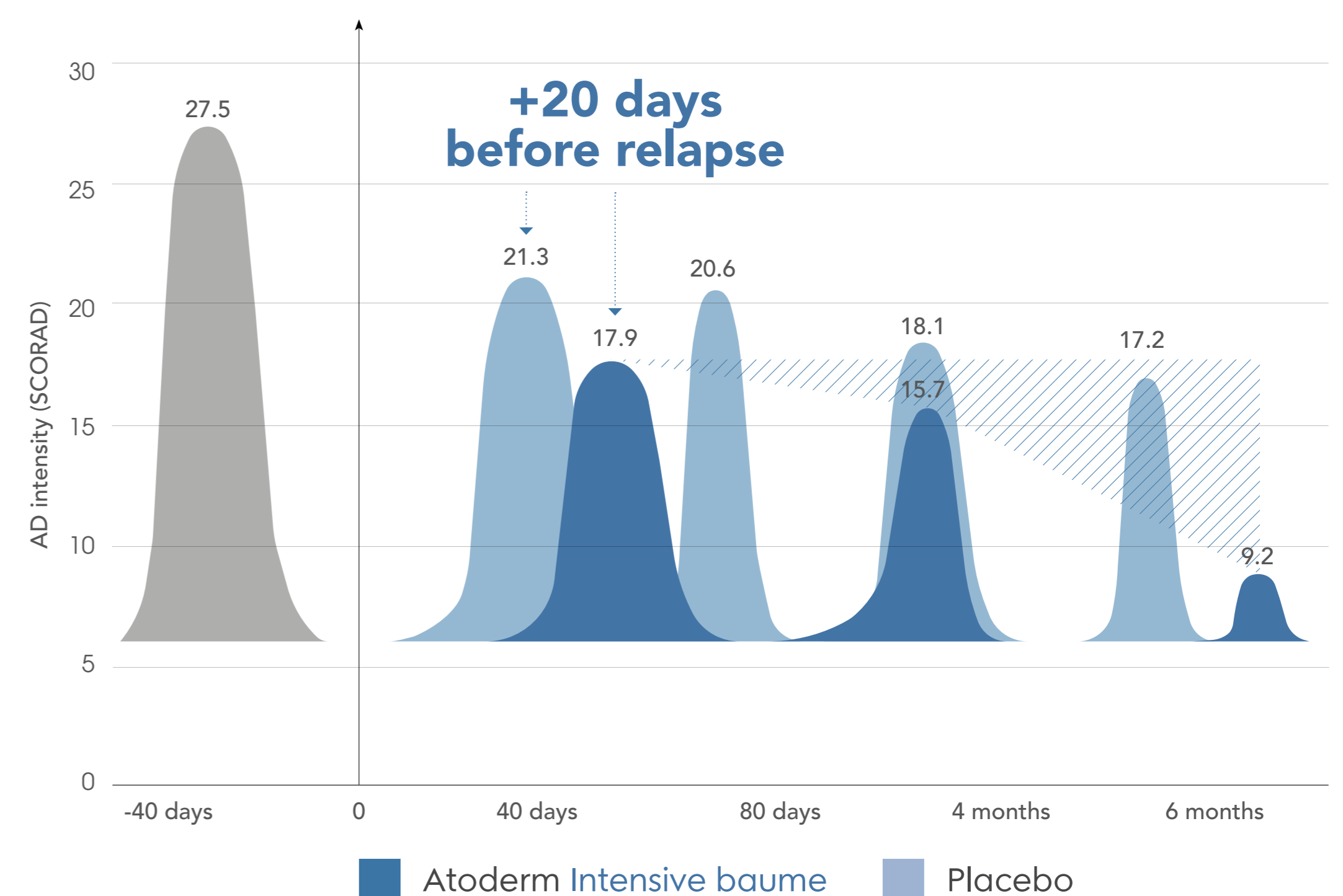
WITHOUT TREATMENT

reduced SCORAD & improved quality of life



6 MONTHS
WITHOUT FLARE-UPS
FOR 3/4 PATIENTS(2)

-49%
SEVERITY
OF FLARE-UPS(2)



(1) Multicentric prospective study, 125 patients aged 1 to 85, with mild, moderate and severe atopic dermatitis, in combination with topical corticosteroids (3 to 10 days of treatment), 56 days, Bulgaria, 2015.
(2) Mono-centric, double-blind comparative study vs. placebo, 123 patients aged 6 months to 15 years with moderate atopic dermatitis who had had 3 to 6 relapses in the 6 months prior to the study, 15 months, France, 2012-2013.

ECOBIOLOGY FOR ULTRA-DRY ACNE-PRONE SKIN DUE TO TREATMENTS

Sébium Hydra cleanser

INNOVATION

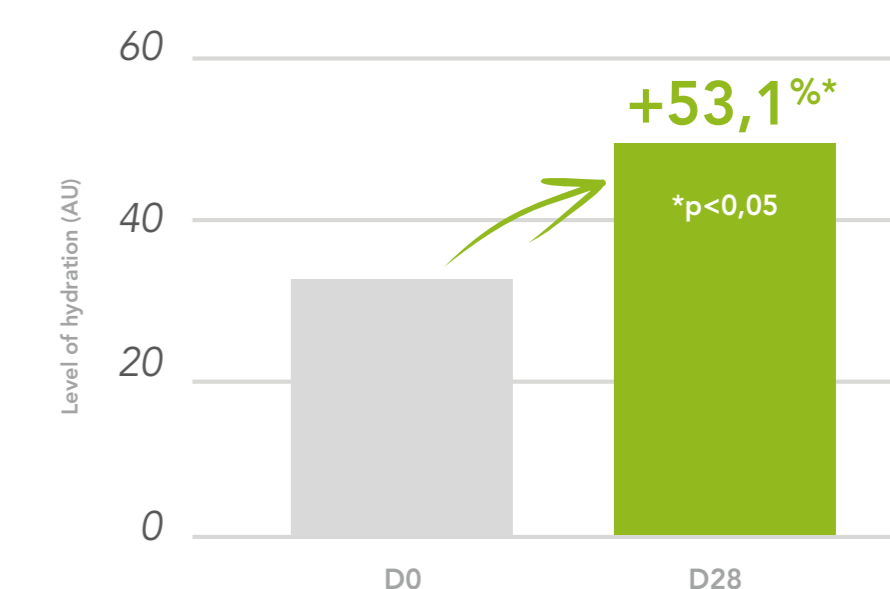


FAVORS BIOMIMETIC INGREDIENTS
NMF-LIKE SUGAR + OMEGA 6&9 from shea oil

93% BIOMIMETIC INGREDIENTS

ACTS ON SKIN'S NATURAL MECHANISMS
PRESERVES SKIN LIPIDS,
reactivates skin hydration

+53%
SKIN HYDRATATION
IN 1 MONTH⁽¹⁾



ACTS ON CAUSES
DAF COMPLEX reduces release of cytokines
FRICION-REDUCING BALM TEXTURE
respects acne patients' weakened, sensitive skin

pH RESPECT ⁽²⁾
& NON-COMEDOGENIC

100% LESS FRICTION
on skin during
cleansing⁽³⁾

24H HYDRATATION ⁽⁴⁾
COMFORT ⁽¹⁾

IMMEDIATE & LONG-LASTING
BENEFITS FOR PATIENTS'
QUALITY OF LIFE

90% SKIN IS SOOTHED
IN 1 MONTH ⁽¹⁾

(1) Clinical study under dermatological & ophthalmological control, 30 subjects aged 14 to 29 with mild to moderate acne with very dry skin under topical treatment (retinoic acid) or oral treatment, 7 days wash out before inclusion, then twice daily for 28 days with their usual daily cream, instrumental measurement (hydration lipids) and self-assessment. (2) Skin pH measurement after 28 days of use, 12 subjects. (3) Use test under dermatological control, 33 subjects with acne prone skin, 28 days, count of acne lesions & satisfaction %. (4) Measurement of skin hydration by corneometry 24h after the last application, 12 subjects

ECOBIOLOGY FOR MILD TO MODERATE ACNE

Sebium Kérato+

FAVORS BIOMIMETIC INGREDIENTS
BIOMIMETIC LAMELLAR EMULSION
 promotes highest skin affinity and tolerance

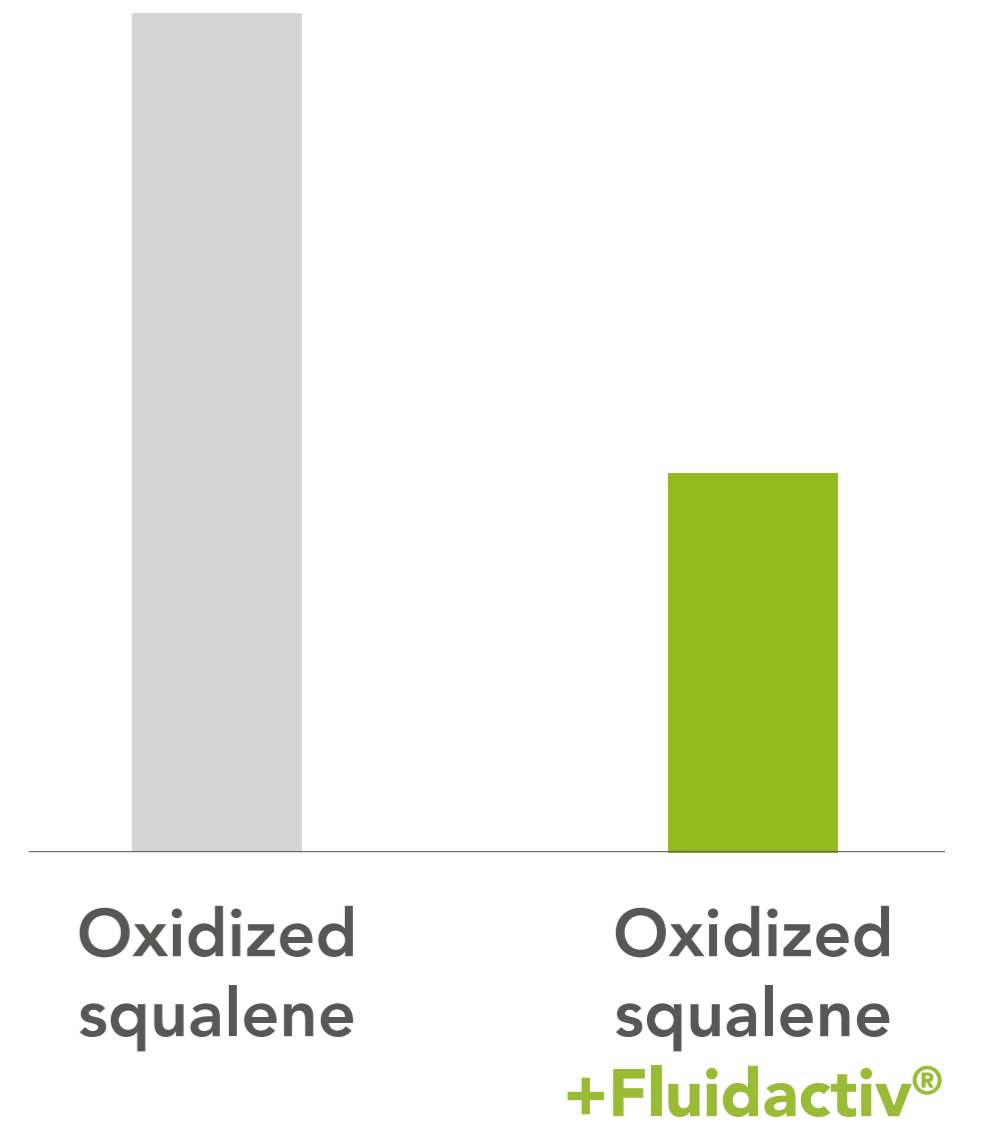
ACTS ON SKIN'S NATURAL MECHANISMS
MALIC ACID ESTER & SALICYLIC ACID
 help shed dead skin cells and unlock the sebaceous ducts

ACTS ON CAUSES
FLUIDACTIV® PATENT normalizes
 sebum quality to prevent dysseborrhea



MALIC ACID
 NORMALIZES SEBUM
 PRODUCTION⁽¹⁾

+63%
SQUALENE PROTECTION
AGAINST OXIDATION⁽²⁾

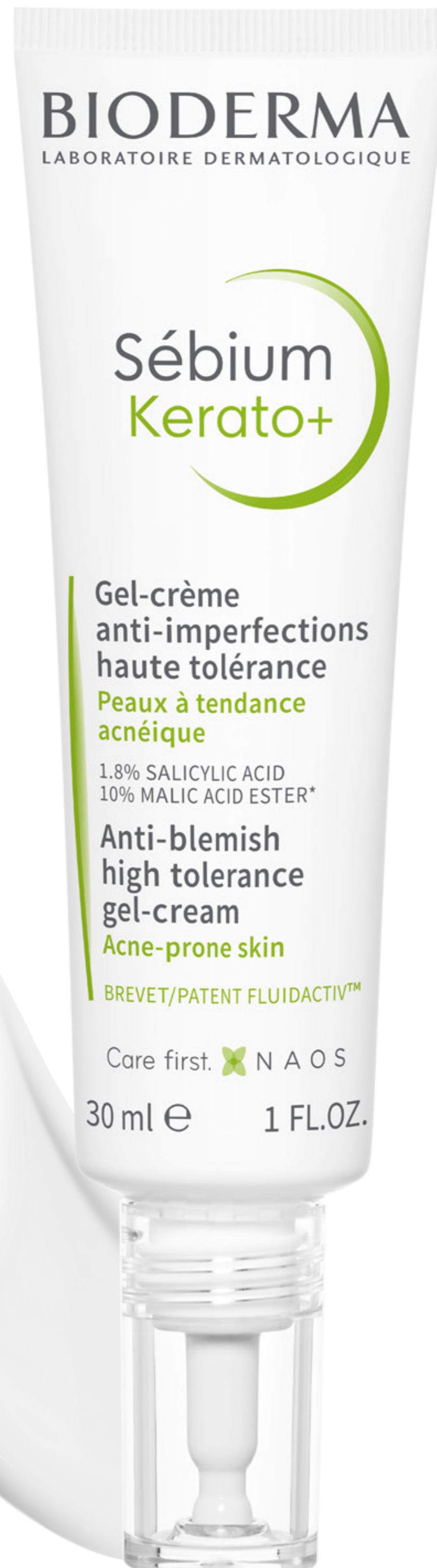


(1) Supplier data. (2) In tubo study of squalene H2O2-induced oxidation and protective effect of Fluidactiv® complex found in Sebium Kerato+.

ECOBIOLOGY FOR MILD TO MODERATE ACNE

Sebium Kérato+

IMMEDIATE & LONG-LASTING BENEFITS FOR PATIENTS' QUALITY OF LIFE



100% DOES NOT DRY OUT THE SKIN⁽¹⁾
and moisturizes for 97% testers ⁽¹⁾

97% VERY GOOD TOLERANCE
higher than the market leader ⁽³⁾

IN JUST 2 DAYS

clinically visible results on marks & acne volume



LONG-TERM EFFICACY

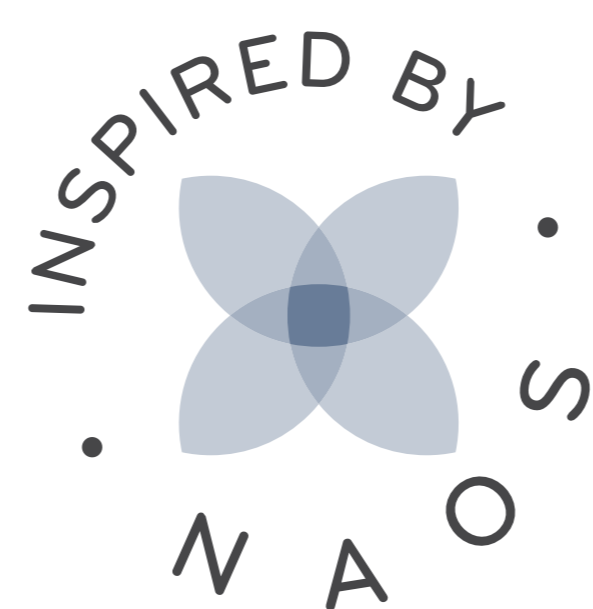
BEFORE OR AFTER TREATMENT

clinically visible results on marks & acne volume



(1) Clinical study in monotherapy, 30 subjects with mild to moderate acne, 2021
(2) Use test under dermatological control, 33 subjects aged 18 to 42, with combination or greasy, acne prone skin

(3) Immediate tolerance test on acne-prone skin vs. market leader, 2020



ECOBIOLOGY AT THE SERVICE OF DERMATOLOGY

*Learn more about NAOS, French ecobiology company,
founder of BIODERMA, on www.naos.com*