

VET EXPERT
BASED ON EVIDENCE

VETOSKIN ULTRA

FIRST SUPPLEMENT
FROM THE PROFESSIONAL
ULTRA LINE
BY VET EXPERT

NEW



INNOVATIVE SUPPORT FOR ATOPIC
AND HYPERSENSITIVE SKIN

ATOPY

Atopy – in dogs, also known as Canine Atopic Dermatitis (CAD), is a genetically inherited, allergic and pruritic skin disease. It involves a hypersensitivity reaction to environmental and/or food antigens (allergens)*. Atopy:

- manifests itself in young dogs, between 6 months and 3 years of age;
- affects around 10-15% of the canine population with an increasing trend;
- breed predispositions: West Highland White Terrier, Golden Retriever, Labrador Retriever, German Shepherd, Boxer, French Bulldog, Bulldog, Shar Pei, Schnauzer, Lhasa Apso and Cocker Spaniel.

Atopy is a disease characterised by severe pruritus.

Failure to control pruritus leads to skin damage of varying degrees of severity.

The skin in animals with atopy loses the inherent continuity of the protective barrier and the ability to maintain an optimal degree of hydration, which, combined with extensive and deep wounds, increases the risk of bacterial, fungal or yeast infections.

Atopy is an incurable disease, but with the right therapy (drugs, antibodies, supplements, diet, baths), we can try to control its course and try to protect the animal from periods of disease progression, which will consequently significantly improve the animal's comfort of life.

ATOPY MANAGEMENT:

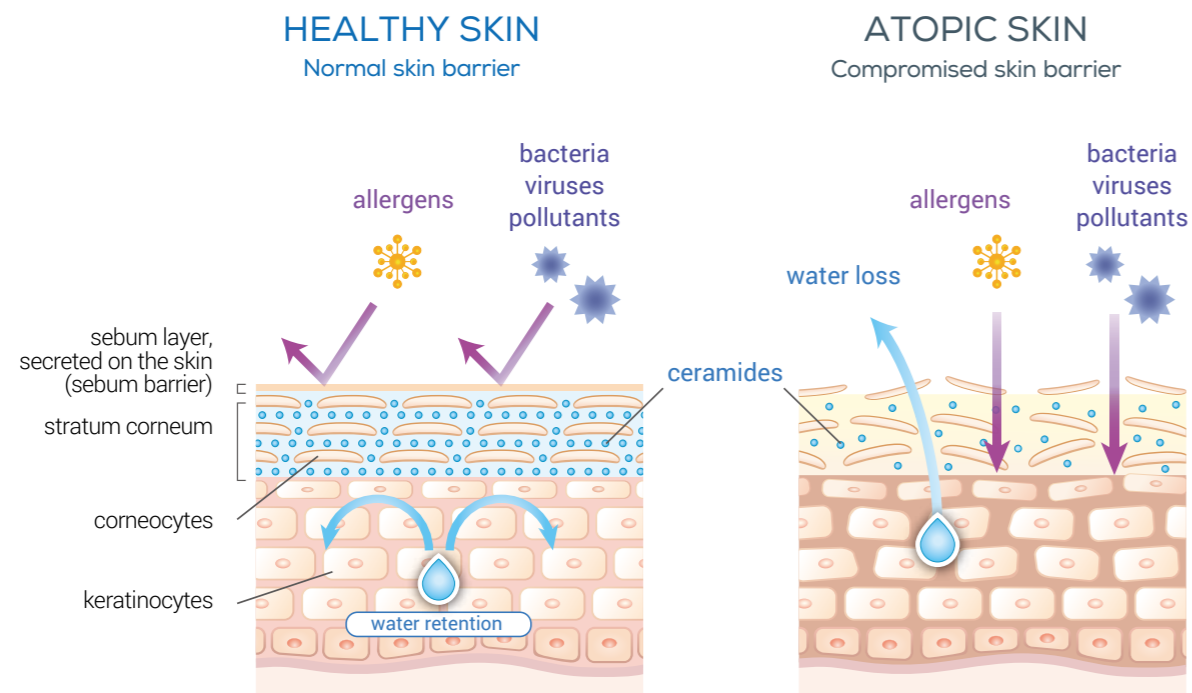
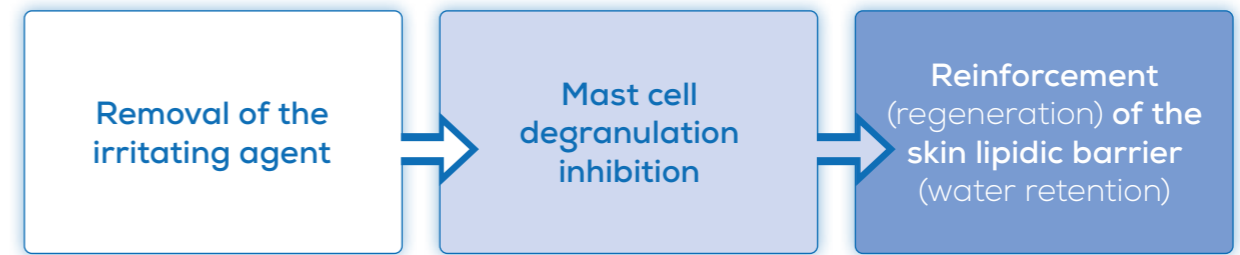


Fig. 1

An altered microbiome, loss of the hydrolipidic film and deep damage to both the epidermal layer and the dermis provide a complete picture of atopic skin.



Fig. 2. Atopic dermatitis in a German Shepherd.

* According to a panel of experts belonging to ICADA (International Comitete on Allergic Diseases of Animals)

VETOSKIN ULTRA

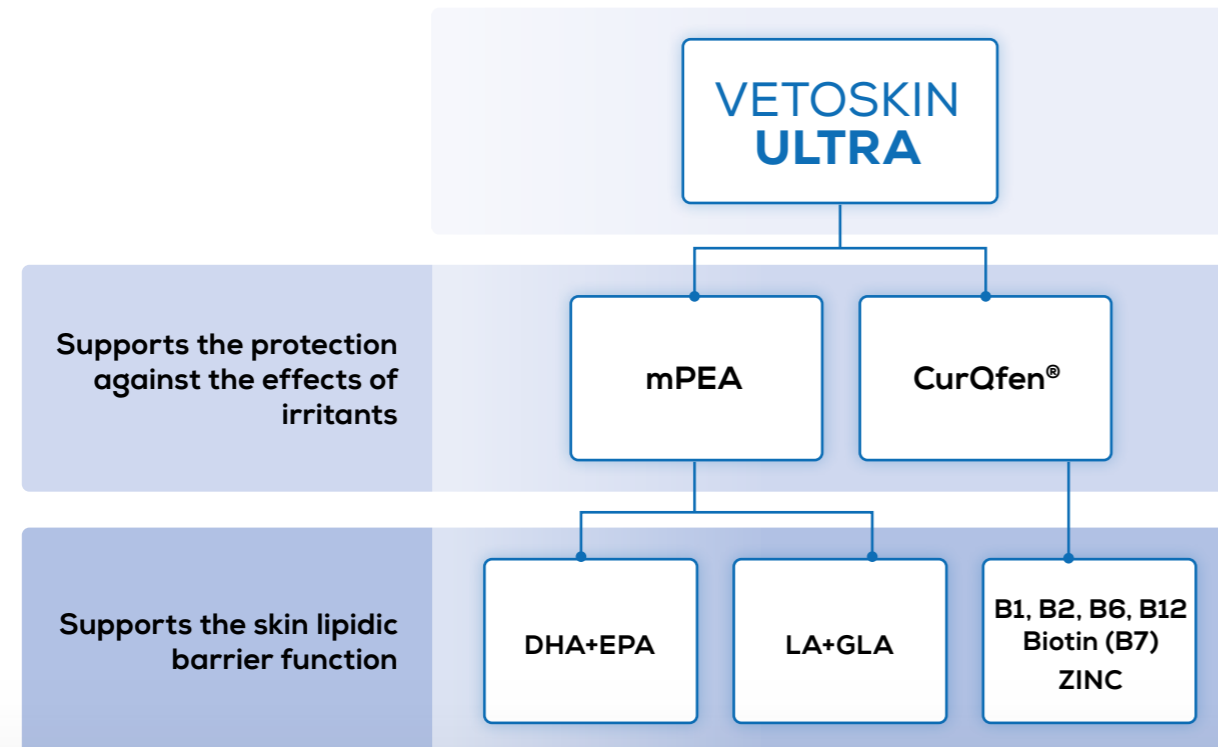
An innovative, broad-spectrum formulation for the support, protection and regeneration of hypersensitive and atopic skin.



- Support **in the quick relief of atopy symptoms**.
- **Unique combination of innovative ingredients** scientifically proven to support atopic and hypersensitive skin: mPEA, CurQfen®.
- The first commercially available supplement with such **a broad spectrum of action** – anti-inflammatory and antipruritic action of mPEA and CurQfen® potentiated by Omega 3 (EPA, DHA) and Omega 6 (LA, GLA) acids as well as zinc, biotin and B vitamins.
- Protection against the effects of irritants.
- High safety index of the substances in the preparation.

mPEA = PEA in micronised form

DOUBLE SUPPORT FOR ATOPIC AND HYPERSENSITIVE SKIN



A UNIQUE COMBINATION OF INNOVATIVE INGREDIENTS WITH SCIENTIFICALLY PROVEN EFFECTS

PEA (palmitoylethanolamide) belongs to a family of fatty acid amides whose name is derived from their mechanism of action, i.e. Autacoid Local Injury Antagonism. This compound is produced in the cell membrane to control the response from the immune system and prevent chronic inflammation.

PEA REDUCES THE RISK OF DEVELOPING ALLERGIC SKIN DISEASES, INCLUDING ATOPIC DERMATITIS (AD):

- participates in the physiological processes of mast cell activity modulation,
- reduces "allergic hyperactivity" – reduces the inflow of mast cells and their degranulation, thus reducing pruritus,
- inhibits the gene responsible for the production of pro-inflammatory cytokines (by inhibiting the pathway induced by **IκBα/NF-κB**),
- uses the "entourage" effect – the effect of the environment.

ENTOURAGE EFFECT, AFTER THE ADMINISTRATION OF **mPEA**:

Effect of PEA on mast cells

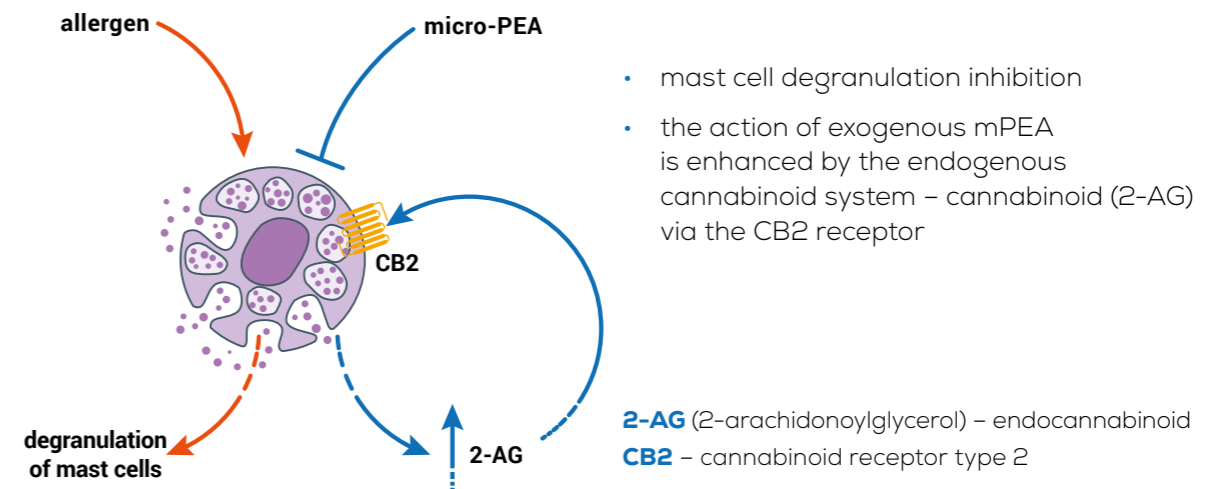


Fig. 3.

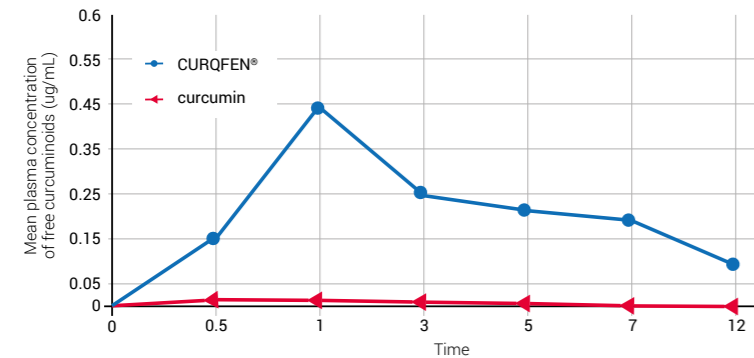
VETOSKIN ULTRA contains a micronised form of PEA, which ensures higher efficacy of this active substance.

THE ACTION OF THE MICRONISED FORM OF PEA ENHANCED BY THE INTRODUCTION OF CURCUMINOIDS IN THE PATENTED **CURQFEN®** FORMULA:

- extract of dried rhizomes of *Curcuma longa* L. (turmeric) coated with FENUMAT (glucomannan from fenugreek *Trigonella foenum-graecum* L. extract);
- composition that increases the bioavailability and bioactivity of curcumin;
- an antioxidant formula that inhibits the production of pro-inflammatory cytokines.

STRONGER AND LONGER-LASTING EFFECT OF CURCUMINOIDS DERIVED FROM CURQFEN® COMPARED TO STANDARD CURCUMIN

Significantly higher and longer lasting plasma concentrations of free curcuminoids after administration as CURQFEN®*



Strengthening the lipid barrier function of hypersensitive and atopic skin – increasing the skin's protection against irritants and harmful factors.

* compared to the result obtained after the administration of standard (non-coated) curcumin

FULL SUPPORT FOR NORMAL SKIN FUNCTION AND REGENERATION PROCESSES:

OMEGA-6 FATTY ACIDS Gamma-linolenic acid (GLA) and linoleic acid (LA) extracted from borage seed oil and GLA derived from blackcurrant seed oil – are part of ceramides that form plaques in the intercellular space of the skin, preventing transepidermal water loss.

Addition of GLA and LA:

- helps to restore and maintain the integrity of the skin's water barrier,
- prevents skin dryness,
- reduces itching and resultant further mechanical damage to the skin.

OMEGA-3 FATTY ACIDS such as eicosapentaenoic acid EPA and docosaexaenoic acid (DHA):

- demonstrate anti-inflammatory effects – reduce the NF kappa B factor activity (which regulates the expression of genes related to inflammatory processes),
- ensure the fluidity and elasticity of cell membranes.

B VITAMINS: vitamin B1, vitamin B2, vitamin B6, vitamin B12 play a key role in:

- the metabolism of essential fatty acids of the Omega-6 and Omega-3 family,
- the normal functioning of the skin barrier.

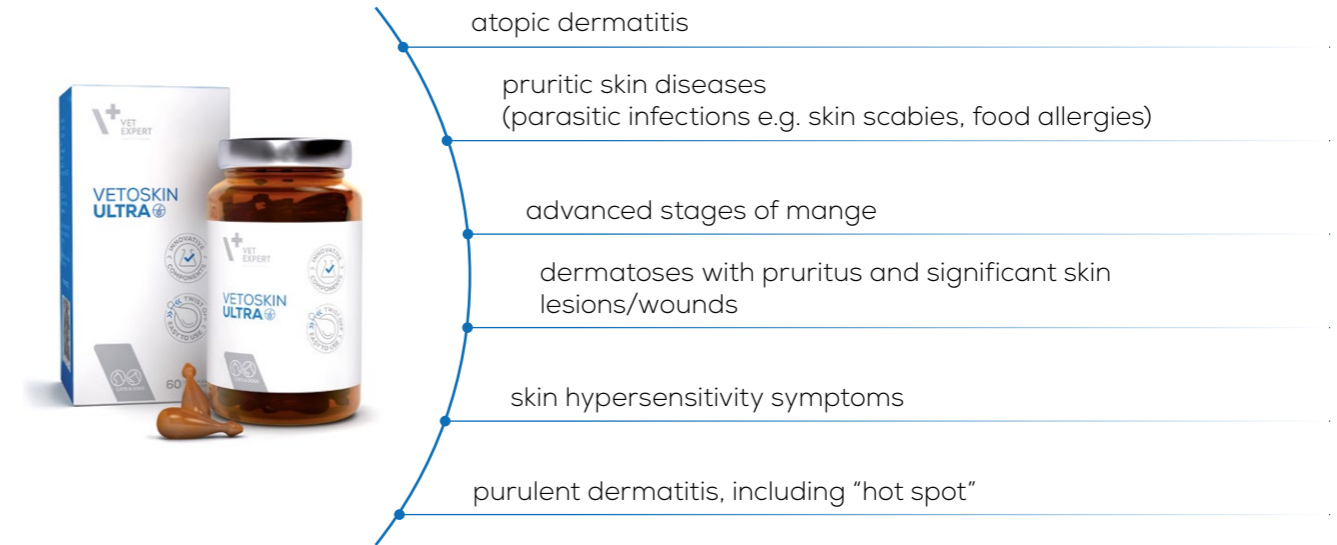
BIOTIN is a B group vitamin that, after oral administration, is transported to the sebaceous glands and then secreted onto the skin surface:

- regulates the sebaceous glands by reducing sebum secretion,
- lowers the level of skin greasiness.

ZINC – a micronutrient that plays an essential role in the skin:

- regulates the skin's regeneration process,
- strengthens the skin's water-lipid barrier, which reduces water loss,
- accelerates the wound healing process.

VETOSKIN ULTRA: SUPPORT FOR ATOPIC AND HYPERSENSITIVE SKIN



VETOSKIN ULTRA DOSAGE: Cats and dogs up to 15 kg bw. – 1 capsule per day.
Dogs over 15 kg bw. – 1 capsule for every 15 kg bw per day.

VETOSKIN – MAINTAINING OPTIMUM SKIN AND COAT CONDITION

- Alopecia
- Excessive shedding and hair loss
- Skin regeneration after treatment of bacterial/fungal infections
- Improvement of skin and coat quality after long-term dermatological treatment
- Dermatoses with mild/moderate pruritus



VetoSkin Small Breed and Cats dosage:
Cats and dogs up to 5 kg bw. – 1 capsule per day

VetoSkin dosage:
Cats and dogs >5 to 15 kg bw. – 1 capsule per day
Dogs over 15 kg bw. – 2 capsules per day.

References:

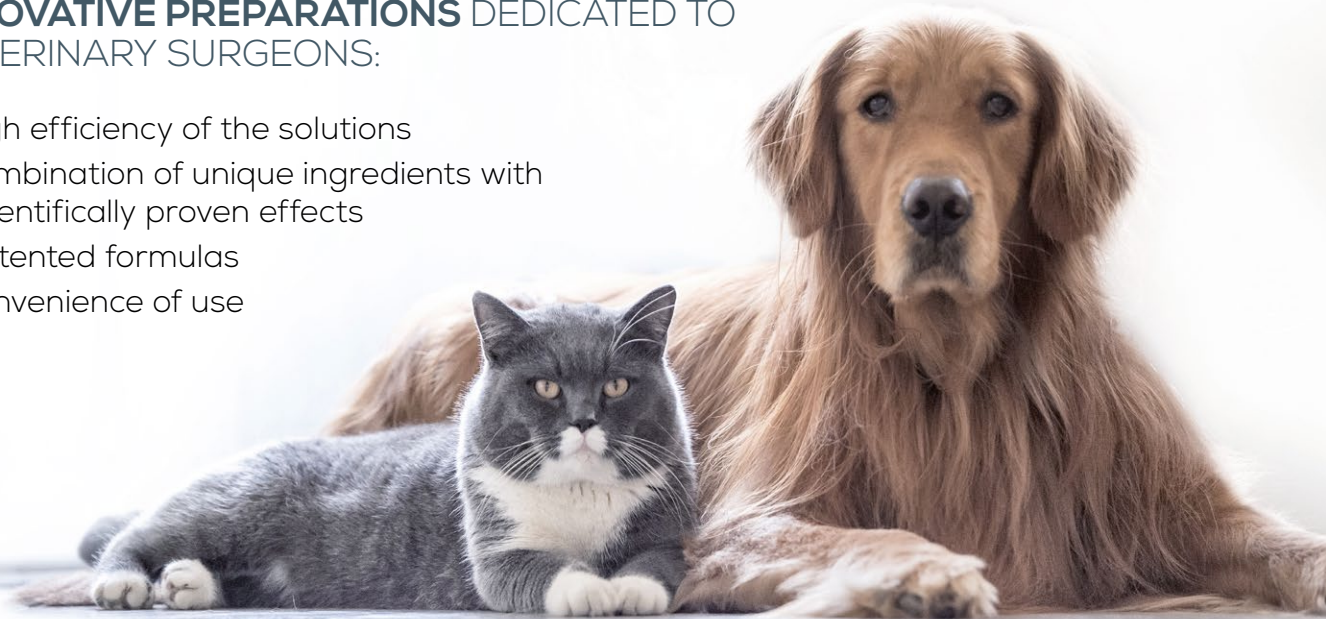
1. Della Rocca G., Re G., Palmitoylethanolamide and Related ALIAmides for Small Animal Health: State of the Art, Biomolecules 2022, 12, 1186.
2. Kumar D., Della J., PS S., Maliakkal A., Johannah NM, Kuttan R., Maliakel B., Konda V., Krishnakumar IM, Enhanced bioavailability and relative distribution of free (unconjugated) curcuminoids following the oral administration of a food-grade formulation with fenugreek dietary fibre: A randomised double-blind crossover study: Journal of Functional Foods 2016, 22, 578-587

ULTRA PRODUCT LINE FROM VET EXPERT

PROFESSIONALISM AND INNOVATION

INNOVATIVE PREPARATIONS DEDICATED TO
VETERINARY SURGEONS:

- high efficiency of the solutions
- combination of unique ingredients with scientifically proven effects
- patented formulas
- convenience of use



VETOSKIN ULTRA



Innovative support for atopic and hypersensitive skin.



STOMA FERIN ULTRA



An effective and convenient solution for lesions on the gums and oral mucosa.



STIMUDERM ULTRA



Innovative support for the treatment of canine alopecia.