

NEW



DermalEase

For Dogs and Cats

Dual support
for healthy, nourished
and hydrated skin





Introducing DermalEase

Dual support for healthy, nourished and hydrated skin.
DermalEase contains the novel ingredients Biosfeen and Dermal.
Biosfeen supports healthy epidermal barrier formation.
Dermal supports a healthy dermis and normal skin hydration.



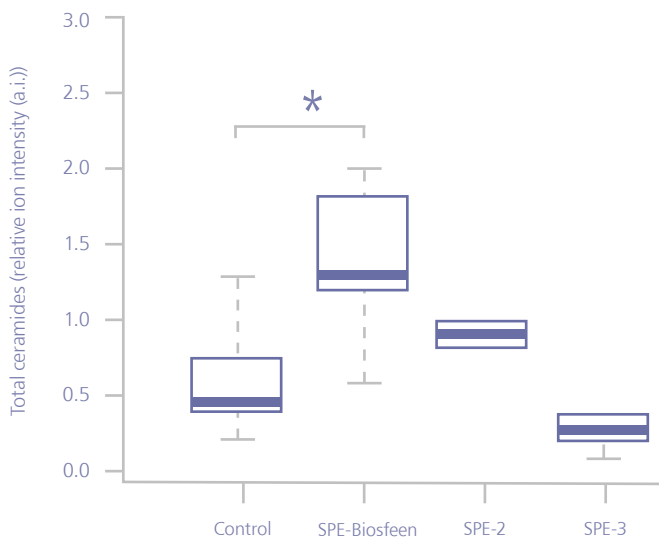
DermalEase

Contains the novel ingredients Biosfeen and Dermalial



Sphingolipids (Biosfeen®)

Sphingolipids are a family of bioactive waxy lipid molecules and a major component of healthy skin. The most abundant epidermal sphingolipids are the ceramides which are synthesised in keratinocytes in the stratum granulosum layer before being transported to the stratum corneum, the outermost epidermal barrier layer.

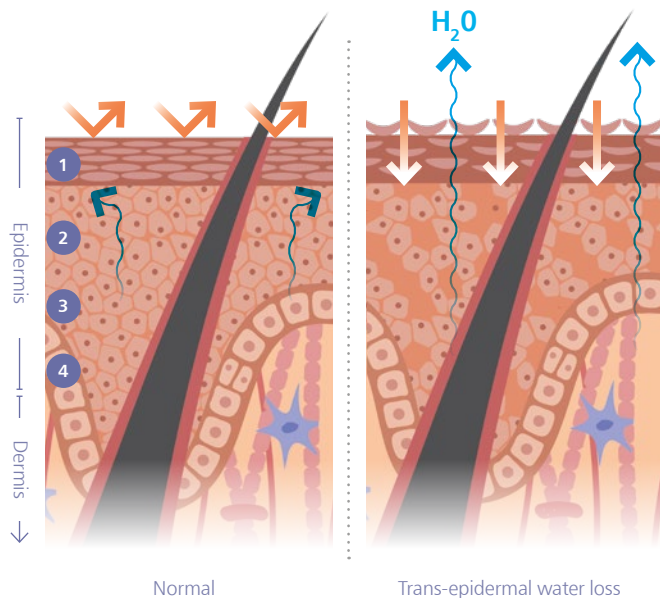
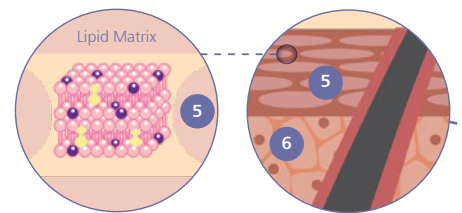


Box plot of median relative quantities (bold horizontal lines) of total ceramides in a control canine skin equivalence model and following treatment with 3 sphingolipid extracts (SPEs): SPE-Biosfeen®, SPE-2, SPE-3.¹ Bottom and top of the box correspond to the 25th and 75th percentiles, respectively. *P < 0.05¹

Ceramides make up 50% of the stratum corneum and together with cholesterol and free fatty acids form the epidermal lipid matrix, a water-resistant protective barrier that regulates transport of exogenous substances across the skin and restricts trans-epidermal water loss.^{1,2,3,4}

Epidermis

- Ceramides
- Fatty acids
- Cholesterol



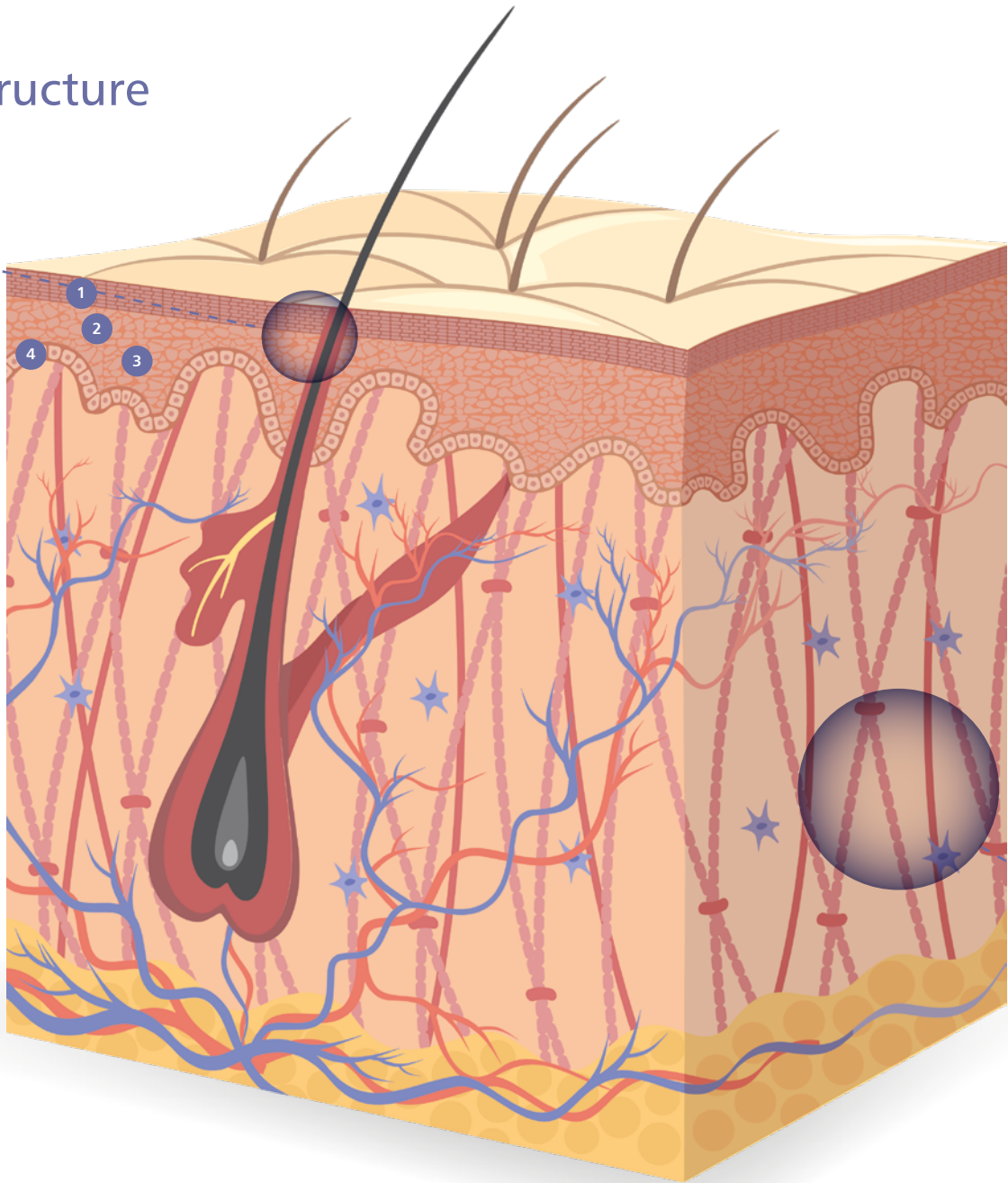
Ceramides are essential for maintaining normal, healthy skin barrier function.

DermalEase contains Biosfeen, a unique sphingolipid extract comprised of ceramides and an essential ceramide precursor (sphingomyelin) that has been shown to promote endogenous ceramide production,¹ providing support for healthy skin barrier formation and normal skin hydration levels.^{1,2}





Skin structure



- 1 Stratum corneum
- 2 Stratum granulosum
- 3 Stratum spinosum
- 4 Stratum basale
- 5 Corneocyte
- 6 Keratinocyte



Dual support for healthy, nourished and hydrated skin



Hyaluronic acid (Dermial®)

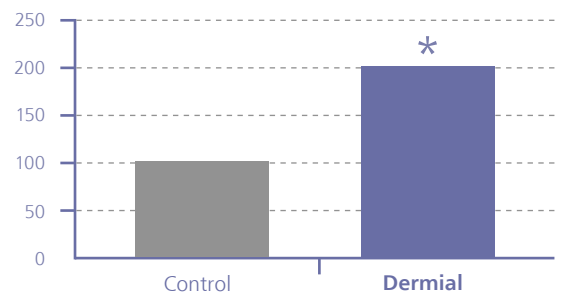
Hyaluronic acid is a glycosaminoglycan that has numerous essential physiological and physiochemical functions in the production and maintenance of healthy skin.

Due to a unique ability to bind and retain water molecules, hyaluronic acid plays a key structural role in the connective tissue extracellular matrix (ECM), maintaining skin hydration, turgor and pliability.^{4,5,6} Produced primarily by dermal fibroblasts, the ECM contains the majority of the skin collagen network and makes up the bulk of the dermis.

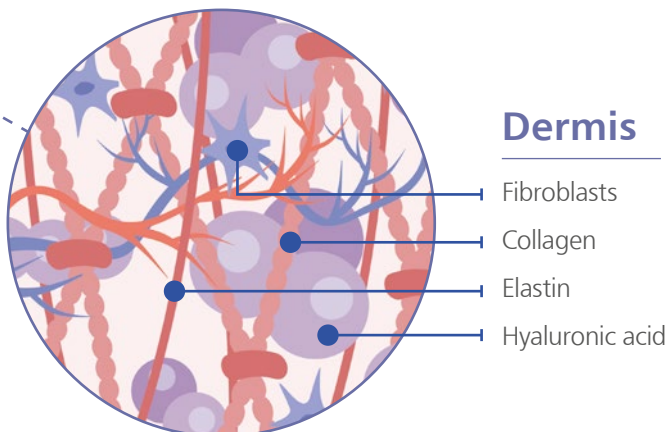
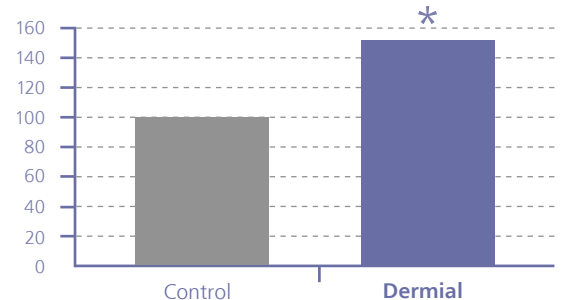
Once thought primarily to be a structural molecule in skin, hyaluronic acid is now known to play a key role in the initiation of new skin production: promoting proliferation, differentiation and migration of dermal fibroblasts and keratinocytes^{4,5,6} and upregulating dermal elastin and ECM production.^{4,5,6}

DermalEase contains Dermial, a unique hyaluronic acid based extract that has been shown to support the proliferation and migration of fibroblasts and to help maintain normal skin hydration levels.⁶ See graphs to the right. *P < 0.05

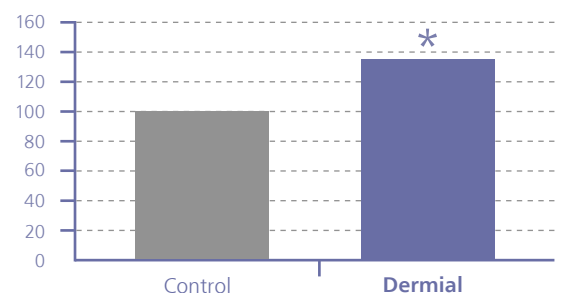
Fibroblast Proliferation %



Fibroblast Migration %



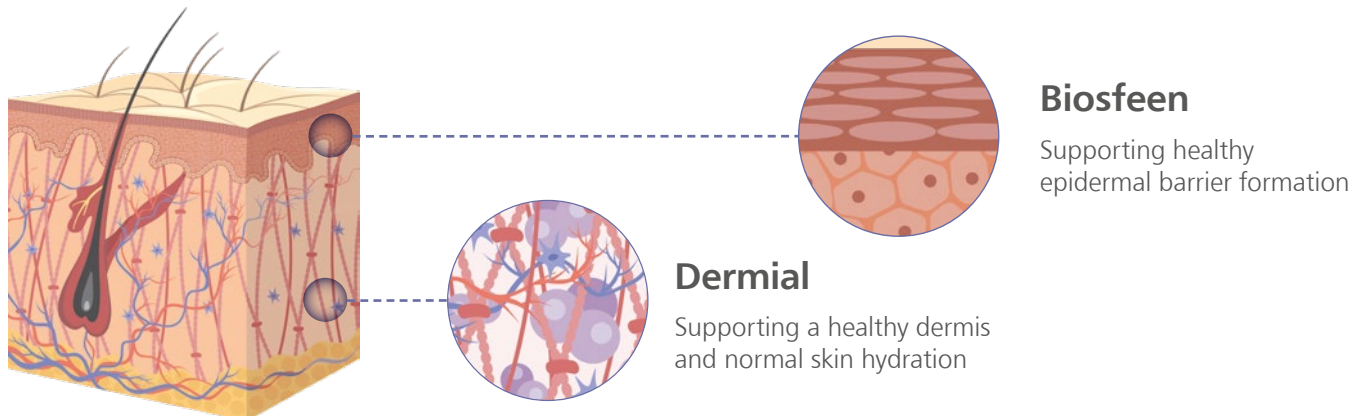
Skin Hydration %



DermaEase

For Dogs and Cats

DermaEase contains the novel ingredients Biosfeen and Dermial



DermaEase is available in two topical presentations - DermaEase Mousse and DermaEase Drops.

	DermaEase Drops	DermaEase Mousse
Pack size	8 x 2ml pipettes per box	250ml
Indication for use	Focal, discrete areas	Larger, diffuse areas
Directions for use	Apply one pipette per week. For areas of the skin needing extra support, apply twice weekly. Continue use for 4-8 weeks or as required.	Apply twice per week, for a minimum of 4 weeks, then drop down to a once weekly application. Use for as long as considered necessary.
Application	Apply the contents of the pipette directly to the dog or cat's skin, parting the fur if necessary.	Apply the mousse directly to the dog or cat's skin, parting the fur if necessary. Gently spread the mousse over the application area until fully dispersed.
Application guidance	Avoid contact with the eyes, mucous membranes, mouth and other sensitive areas. Apply to clean, dry areas and leave a minimum of 48 hours until bathing. Once applied, prevent the animal from licking the area until dry.	

References

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