

DERMATOLOGICAL SOLUTIONS



PRODUCT CATALOG
FOR VETERINARIANS

Pivotal
VITAL TO YOUR PRACTICE

EFFECTIVE SOLUTIONS, HEALTHY SKIN.

Suffusion™ is a topical dermatology line that supports a wide variety of skin irritations in dogs and cats such as dry, itchy skin, fungal or bacterial infections, wounds, lacerations, and more. Our soap-free shampoos are formulated to provide a deep, rich lather, adding moisture to the skin without diminishing the natural oils. Pivetal's dermatological line also includes ear cleaners, flushes, mousses, sprays, and wipes, offering veterinarians and their clients solutions that address a multitude of topical concerns.

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ADVANCEMENT IN VETERINARY DERMATOLOGY

Suffusion™ products contain key active ingredients like chlorhexidine, ketoconazole, and pramoxine that address major topical concerns in both canines and felines. Suffusion's new formulas also include a unique blend of ceramides and avenanthramides that are proven effective anti-inflammatory and moisturizing agents. These formulations support the skin barrier by intensely moisturizing and calming the epidermis with the use of colloidal oatmeal, ceramide complex 1, 3, 9, and other ultra-nourishing ingredients.

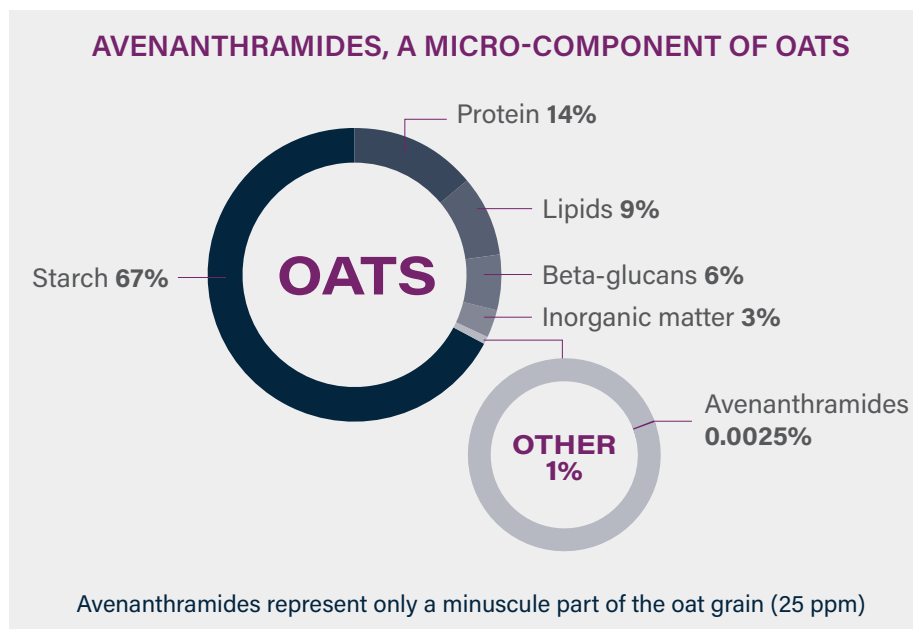
CERAMIDES

Suffusion™ includes a unique ceramide complex composed of ceramides EOS (1), NP (3), EOP (9), which are known to be deficient in atopic dogs.¹ Ceramides 1 and 9 specifically are decreased in the non-lesional skin of atopic dogs.² Ceramide 1 is a carrier of linoleate, which plays an important role in the barrier function, providing fluidity and plasticity to the lipid lamellae.³

AVENANTHRAMIDES

Suffusion™ also includes avenanthramides, which act as a topical anti-inflammatory for the skin. Avenanthramides are polyphenols and have antioxidant properties that reduce free radical damage that helps contribute to the cycle of inflammation.^{4,5} Avenanthramides suppress the release of histamines and pro-inflammatory cytokines⁶ by 67%. In an experimental model, the frequency of itching diminished by 41% in 30 minutes – a result equivalent to the effect of hydrocortisone.^{4,7}

Avenanthramides are a purified fraction of colloidal oatmeal from the external layer of the grain. This micro-component makes up 0.0025% of the oat grain and provides skin benefits such as reduced itching.



REFERENCES 1. Yoon JS, Nishifuji K, Sasaki A, Ide K, Ishikawa J, Yoshihara T, et al. Alteration of stratum corneum ceramide profiles in spontaneous canine model of atopic dermatitis. *Exp Dermatol.* 2011;20(9):732-736. 2. Reiter LV, Torres SMF, Wertz PW. Characterization and quantification of ceramides in the nonlesional skin of canine patients with atopic dermatitis compared with controls. *Vet Dermatol.* 2009;20(4):260-266. 3. Mizutani Y, Mitsutake S, Tsuji K, Kihara A, Igarashi Y. Ceramide biosynthesis in keratinocyte and its role in skin function. *Biochimie.* 2009;91(6):784-790. 4. Lee-Manion AM, Price RK, Strain JJ, Dimberg LH, Sunnerheim K, Welch RW. In vitro antioxidant activity and antigenotoxic effects of avenanthramides and related compounds. *J Agric Food Chem.* 2009;57(22):10619-10624. 5. Fagerlund A, Sunnerheim K, Dimberg LH. Radical-scavenging and antioxidant activity of avenanthramides. *Food Chem.* 2009;113(2):550-556. 6. Sur R, Nigam A, Grote D, Liebel F, Southall MD. Avenanthramides, polyphenols from oats, exhibit anti-inflammatory and antiitch activity. *Arch Dermatol Res.* 2008;300(10):569-574. 7. Cerio R, Dohil M, Downie J, Magina S, Mah E, Stratigos AJ. Mechanism of action and clinical benefits of colloidal oatmeal for dermatologic practice. *J Drugs Dermatol.* 2010;9(9):1116-1120.

EFFECTIVE SOLUTIONS WITH SUFFUSION

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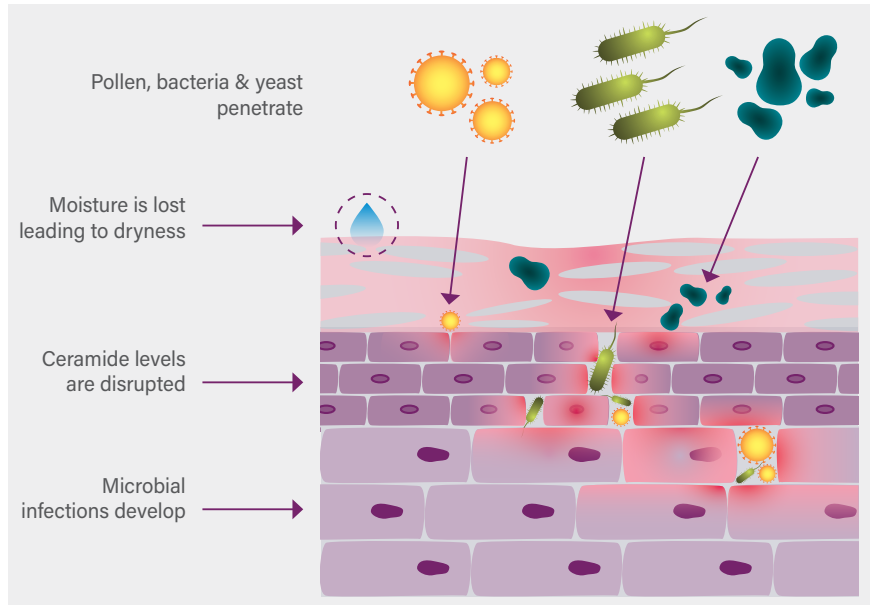
Save now at pattersonvet.com

SUSTAINING HEALTHY SKIN

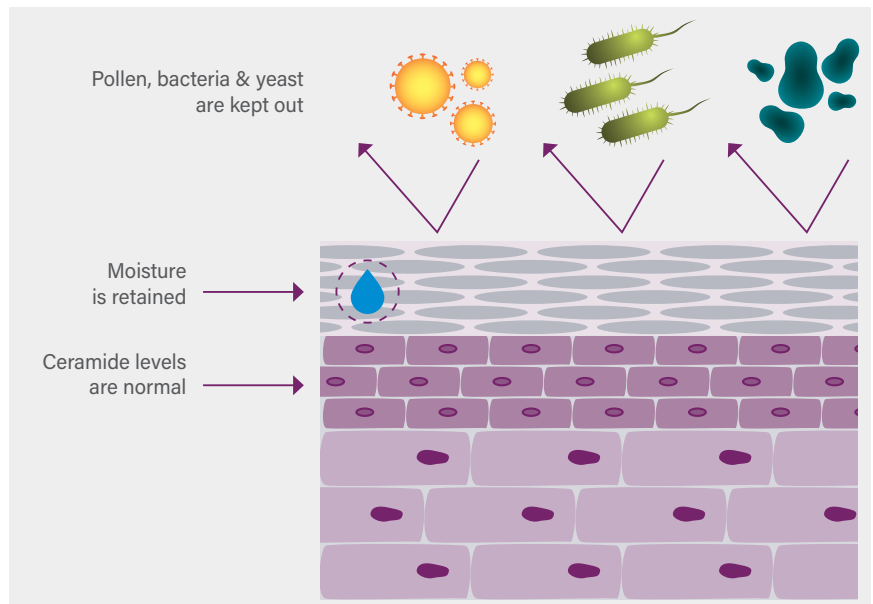
As seen in the illustration below, an overall unhealthy skin barrier experiences several layers of disruption from the epidermis down to the dermis and subcutis or hypodermis layer where infections develop.

Conversely, in a healthy skin barrier, we see improvements in all functions of the skin including appropriate cell turnover rates, retained moisture, and steady ceramide levels. Support the body's natural immune system while providing the building blocks to replenish and repair skin with Suffusion™.

UNHEALTHY SKIN BARRIER



HEALTHY SKIN BARRIER



ADDRESSING PATIENT CONCERNS

Combating patient skin concerns can be difficult and often requires a multi-modal approach that includes both internal and external treatment. Suffusion™ targets three major categories that commonly affect patients: antimicrobials, antipruritics, and otics.

ANTIMICROBIALS AND ANTIFUNGALS

Nourishing antiseptics that cleanse, calm, moisturize, and support the skin barrier.

- Suffusion 4% (chlorhexidine gluconate 4%)
- Suffusion K (chlorhexidine gluconate 2%, ketoconazole 1%)
- Suffusion M (chlorhexidine gluconate 2%, miconazole nitrate 2%)

ANTIPRURITICS

Relieves allergy-related symptoms such as itching and redness.

- Suffusion HC (pramoxine HCl 1%, hydrocortisone 1%)
- Suffusion P (pramoxine HCl 1%)

OTICS & SURFACE ABRASIONS

Tris-EDTA breaks down bacteria cell walls while rebuilding skin barrier integrity.

- Suffusion SA (salicylic acid 0.15%)
- Suffusion Tris (ketoconazole 0.1%)



SUFFUSION™ 4% (chlorhexidine gluconate 4%)

Suffusion™ 4% is an antibacterial and antifungal shampoo for antiseptic skin cleansing.

INDICATIONS: For use on dogs or cats with bacterial or fungal skin infections that are responsive to chlorhexidine.

INACTIVE INGREDIENTS:



SHAMPOO: Water, Lauramine Oxide, Cocamidopropyl Betaine, Polyacrylate-1 Crosspolymer, Disodium Oleamido MIPA Sulfosuccinate, Decyl Glucoside, Glycolic Acid, Avena Sativa (Oat) Kernel Extract, Glycerin, Ceramide EOP, Ceramide EOS, Ceramide NP, Potassium Sorbate, Fragrance, Tetrasodium EDTA, Methylchloroisothiazolinone, Methylisothiazolinone, Yellow 6.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302318	Suffusion™ 4%	Shampoo	8 oz	chlorhexidine gluconate 4%	1
21302317	Suffusion™ 4%	Shampoo	16 oz	chlorhexidine gluconate 4%	1



SUFFUSION™ M

(chlorhexidine gluconate 2%, miconazole nitrate 2%)

Suffusion™ M is a nourishing antiseptic formula that moisturizes, calms, and supports the skin barrier while combating bacteria and yeast.

INDICATIONS: For use on dogs or cats with bacterial or fungal skin infections that are responsive to chlorhexidine or miconazole.

INACTIVE INGREDIENTS:



SHAMPOO: Water, Lauramine Oxide, Cocamidopropyl Betaine, Decyl Glucoside, Polyacrylate-1 Crosspolymer, Lactic Acid, Acetic Acid, Avena Sativa (Oat) Kernel Extract, Glycerin, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Sodium Hydroxide, Methylchloroisothiazolinone, Methylisothiazolinone.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302330	Suffusion™ M	Shampoo	8 oz	chlorhexidine gluconate 2%, miconazole nitrate 2%	1
21302329	Suffusion™ M	Shampoo	16 oz	chlorhexidine gluconate 2%, miconazole nitrate 2%	1







SUFFUSION™ K (chlorhexidine gluconate 2%, ketoconazole 1%)

Suffusion™ K contains antibacterial and antifungal ingredients for antiseptic skin cleansing. Added lactic acid helps exfoliate the skin.

INDICATIONS: For use on dogs or cats with bacterial or fungal skin infections that are responsive to chlorhexidine or ketoconazole.

INACTIVE INGREDIENTS:

-  **MOUSSE:** Water, Glycerin, Polysorbate 20, Propylene Glycol, Lactic Acid, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Methylisothiazolinone.
-  **SHAMPOO:** Water, Lauramine Oxide, Cocamidopropyl Betaine, Polyacrylate-1 Crosspolymer, Decyl Glucoside, Glycolic Acid, Avena Sativa (Oat) Kernel Extract, Glycerin, Ceramide EOP, Ceramide EOS, Ceramide NP, Potassium Sorbate, Fragrance, Tetrasodium EDTA, Methylchloroisothiazolinone, Methylisothiazolinone.
-  **SPRAY:** Water, Glycerin, Polysorbate 20, Propylene Glycol, Lactic Acid, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Methylisothiazolinone.
-  **WIPES:** Water, Glycerin, Polysorbate 20, Propylene Glycol, Lactic Acid, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Methylisothiazolinone.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302349	Suffusion™ K	Mousse	6.8 oz	chlorhexidine gluconate 2%, ketoconazole 1%	1
21302326	Suffusion™ K	Shampoo	8 oz	chlorhexidine gluconate 2%, ketoconazole 1%	1
21302325	Suffusion™ K	Shampoo	16 oz	chlorhexidine gluconate 2%, ketoconazole 1%	1
21302354	Suffusion™ K	Spray	8 oz	chlorhexidine gluconate 2%, ketoconazole 1%	1
21302355	Suffusion™ K	Wipes	30s	chlorhexidine gluconate 2%, ketoconazole 1%	1



SUFFUSION™ HC

(hydrocortisone 1%, pramoxine HCl 1%)

Suffusion™ HC Spray is a non-stinging solution that provides relief from itching caused by insect bites, hot spots, and other minor skin irritations. Pramoxine hydrochloride acts as a mild numbing agent while hydrocortisone, lanolin, and oatmeal help soothe irritation. Glycerin and hydrolyzed oat protein help attract moisture and soothe dry, dehydrated skin.

INDICATIONS: For the temporary relief of itching and skin irritations in dogs or cats.

INACTIVE INGREDIENTS:



SPRAY: Propylene Glycol, Water, SD Alcohol 40-B, Glycerin, PEG-75 Lanolin, Hydrolyzed Oats, Benzyl Alcohol.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302346	Suffusion™ HC	Spray	8 oz	hydrocortisone 1%, pramoxine HCl 1%	1



SUFFUSION™ P (pramoxine HCl 1%)

Suffusion™ P intensely moisturizes, calms, and supports the skin barrier with the use of added nourishing ingredients. An anti-itch formula that includes pramoxine hydrochloride, a local anesthetic that temporarily numbs the skin and provides relief from itching related to allergies, insect bites, and more. Hydrolyzed oat protein helps retain moisture and soothe skin. Aloe leaf juice calms skin and serves as an anti-inflammatory. Safflower oil maintains the softness, suppleness, and radiance of skin and hair. Stimulates growth of thicker hair, eliminates dandruff, and locks in moisture.

INDICATIONS: For use on dogs or cats for the temporary relief of itching and skin irritations.

INACTIVE INGREDIENTS:



MOUSSE: Water, Glycerin, PEG-8 Dimethicone, Polysorbate 80, Poloxamer 184, Sodium Lactate, Aloe Barbadensis (Aloe Vera) Leaf Juice, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Methylisothiazolinone.



SHAMPOO & CONDITIONER: Water, Sodium C14-16 Olefin Sulfonate, PEG-7 Glyceryl Cocoate, Sodium Chloride, Disodium Cocoamphodiacetate, Cocamidopropyl Betaine, Glycerin, Sodium Lactate, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Carthamus Tinctorius (Safflower) Seed Oil, PEG-8 Laurate, Laureth-4, Fragrance, Citric Acid, Potassium Sorbate, Methylchloroisothiazolinone, Methylisothiazolinone.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302370	Suffusion™ P	Mousse	6.8 oz	pramoxine HCl 1%	1
21302332	Suffusion™ P	Shampoo & Conditioner	8 oz	pramoxine HCl 1%	1
21302331	Suffusion™ P	Shampoo & Conditioner	16 oz	pramoxine HCl 1%	1



SUFFUSION™ SA (salicylic acid 0.15%)

Suffusion™ SA Ear Cleaner cleans, dries, and deodorizes the ear canal. Contains salicylic acid, a beta-hydroxy acid (BHA), to exfoliate and penetrate dead skin cells, wax build-up, and dirt. Lactic acid exfoliates the skin. Tetrasodium EDTA helps break down bacteria cell walls. Aloe leaf juice soothes skin and serves as an anti-inflammatory.

INDICATIONS: For use on dogs or cats to cleanse, deodorize and dry the ear canal.

INACTIVE INGREDIENTS:



EAR CLEANER: Water, SD Alcohol 40-B, Propylene Glycol, Glycerin, Benzoic Acid, Benzyl Alcohol, Disodium Oleamido MIPA Sulfosuccinate, Nonoxynol-12, Diethylhexyl Sodium Sulfosuccinate, Lactic Acid, Aloe Barbadensis (Aloe Vera) Leaf Juice, Avena Sativa (Oat) Kernel Extract, Ceramide EOP, Ceramide EOS, Ceramide NP, Fragrance, Potassium Sorbate, Tetrasodium EDTA.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302372	Suffusion™ SA	Ear Cleaner	4 oz	salicylic acid 0.15%	1
21302373	Suffusion™ SA	Ear Cleaner	8 oz	salicylic acid 0.15%	1
21302371	Suffusion™ SA	Ear Cleaner	16 oz	salicylic acid 0.15%	1



SUFFUSION™ TRIS (ketoconazole 0.1%)

Suffusion™ Tris is a gentle antifungal and antibacterial skin and ear cleansing solution. Ketoconazole fights yeast and fungi, and Tris-EDTA helps break down bacteria cell walls.

INDICATIONS: For use on dogs or cats for the antiseptic cleansing of skin and ears.

INACTIVE INGREDIENTS:



FLUSH: Water, SD Alcohol 40-B, Nonoxynol-9, Disodium EDTA, Tromethamine, Avena Sativa (Oat) Kernel Extract, Glycerin, Ceramide EOP, Ceramide EOS, Ceramide NP, Potassium Sorbate, Methylisothiazolinone.

MPN	DESCRIPTION	TYPE	SIZE	ACTIVE INGREDIENT	QTY
21302375	Suffusion™ Tris	Flush	4 oz	ketoconazole 0.1%	1
21302374	Suffusion™ Tris	Flush	16 oz	ketoconazole 0.1%	1

For more information, please visit pivetalvet.com



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