



Antimicrobial, Keratolytic, Lipolytic, Drying, and Deodorizing Dermatological Shampoo. To prevent recurrence in chronic conditions and first line of defense against *Malassezia*, mixed infections and keratinization disorders.

Introduction

Shampoos are an essential part of the different topical treatment options that provide numerous benefits depending on their composition (Table 1).

In skin disorders, shampoo therapy in combination with systemic therapy helps to achieve faster and better results, especially in generalized conditions. It also reduces the relapse of recurrent infections, which in many cases have no systemic treatment options due to the increasingly frequent multi-resistance.

Hydration of the stratum corneum
Elimination of detritus and crusts
Relief of itching/pain
Restoration the cutaneous barrier
Removal of allergens from the body surface
Control of the cutaneous microbiome

Table 1: Main benefits of shampoo therapy.

The genus *Malassezia* includes a group of yeasts that are commonly found on the dog's body surface and some mucosa. Different factors can change *Malassezia* spp. population from a commensal to a pathogenic agent. One of the most common clinical signs of *Malassezia* dermatitis are pruritus and rancid odor. Other clinical signs can include erythema, oily skin, scaling and crusting. *Malassezia* dermatitis may be involved in other dermatological pathologies such as keratinization disorders, atopic dermatitis, pyoderma or endocrine diseases. Atopic dermatitis is an inflammatory disease. It has an important genetic component and is mainly due to the immune response to allergens. In atopic dermatitis, the stratum corneum is damaged, so that the skin's barrier function does not function properly and may favor exposure to *Malassezia* spp.

Keratinization disorders are a result of disruption of keratinocyte division, maturation and shedding. They can be primary or secondary to other pathologies such as atopy, allergic dermatitis or food allergy, bacterial folliculitis or dermatophytosis. Bacterial or yeast secondary infections may worsen epidermal damage and can cause pruritus and inflammation. Keratinization disorders management includes correction of the primary etiology, removal of debris and crusts, reduction of keratinocyte turnover, restoration of skin barrier and control of secondary infections.

Active ingredients

Boric acid	2 %
Glycolic acid	2 %
Ceramides	0.5 %

Also contains: Water, sodium laureth sulfate, cocamidopropyl betaine, lauryl glucoside, polysorbate 20, glycerin USP, fragrance, DMDM hydantoin.



8 fl. oz.
236 ml

Characteristics

- Aids in topical treatment of non-complicated dermatitis associated with yeast such as *Malassezia*.
- Supports the management of keratinization disorders.
- Helps to break *Malassezia*-seborrhea cycle.
- Antibiotic and azole free - Helps rationalize the use of antibiotics and azoles, helping fight resistance and preserving their efficacy.
- Keratolytic and lipolytic action – With glycolic acid.
- Exfoliant action:
 - Helps combat infection by eliminating dead cells, giving the active ingredients better contact with deeper skin layers.
 - Promotes renewal of epithelial cells.
- Ceramides restore epithelium and skin barriers.
- Synergistic effect of boric and glycolic acids allows a deep cleansing action.
- Pleasant scent – Helps fight unpleasant odor associated with *Malassezia*.
- Suitable for frequent and long-term use for maintenance.
- Can be combined with CUTANIA® MalaSpray for a maximum effect.
- Phosphate - Paraben - DEA Free.
- For dogs, cats and horses.

Cutania[®] MalaBath

Safe and Effective Dermatitis Management
Helps Fight Antibiotic and Azole Resistance

Mechanism of Action

- Glycolic acid as an Alpha-Hydroxy Acid (AHA) is a natural water-soluble acid derived from fruits and plants. AHAs have excellent exfoliant and keratolytic properties and help to remove the top layers of dead skin cells. Glycolic acid is the smallest and most potent AHA and penetrates the skin more effectively. Glycolic acid exhibits a strong pH-dependent antibacterial activity by disrupting bacterial cell membranes. Glycolic acid is also a humectant.
- Boric Acid is a weak acid with acidifying and astringent (drying) effect. It has also been shown to be effective against *Malassezia* infections.
- Ceramides provide a healthy protective epidermal barrier as they play a role in normal barrier function and dermis cell organization.



Cautions

Avoid contact with eyes.

Recommended Use

- For first line of treatment of non-complicated *Malassezia* dermatitis.
- For maintenance/preventative treatment of skin with:
 - Chronic *Malassezia*.
 - Excess scaling.
 - Kerato-seborrheic disorders.
 - *Malassezia* overgrowth associated to other disorders.
- For support therapy for complicated dermatitis.
- For maintaining healthy skin with antimicrobial and antifungal effects, especially in swimming dogs or those who live in a humid environment.

Directions for Use

- Wet coat with warm water thoroughly.
- Apply shampoo and massage into the skin and coat until there is a light lather.
- Leave in contact with skin and coat for 5-10 minutes.
- Rinse completely with abundant water.
- Repeat application for greasy and malodorous skin.
- May be used daily or as directed by a veterinarian.
- Combine it with CUTANIA[®] MalaSpray to multiply effects for longer lasting action.