

Drying, Keratolytic, Lipolytic Otic Solution, with Acid pH that Helps to Maintain the Natural Microbial Balance of the Ears. Suitable for Use in Animals Predisposed to Otitis.



Presentation: 118 ml and 240 ml for dogs and cats

Characteristics:

- Lipolytic, cerumenolytic and drying action.
- Exfoliating and acidifying action - pH 4.9 - 5.3.
- High cerumenolytic power.
- Powerful drying action of the ear canal.
- Aqueous base — Facilitates its distribution, even in narrow or stenotic ducts, reducing the possibility of clogging.
- Very low incidence of post-application stinging.
- Does not contain antibiotics or corticosteroids.
- Safe and suitable for short and long term use.
- Colorless solution – Does not stain the animal, household surfaces or fabrics.
- Very pleasant smell.

Introduction:

External otitis is a frequent presentation in small animal veterinary clinics, affecting **15-20% of dogs and 5-7% of cats**. Erythematous external otitis is the most common, while suppurative otitis is less frequent.

The development of otitis usually occurs due to a combination of different causes and factors. Primary causes can trigger external otitis by themselves, while secondary causes are those that produce it in an abnormal or altered ear. Hypersensitivity reactions such as atopy, food allergy and contact dermatitis are the main primary causes of otitis externa, and among them, atopy seems to be the most frequent cause of canine chronic otitis. It is estimated that 55% of atopic dogs develop external otitis, which in many cases is the only clinical sign. Bacterial and fungal infections are part of these secondary causes.

Factors can be divided in predisposing or perpetuating. Predisposing factors can increase the probability of developing otitis externa, since they modify the auditory environment. Perpetuating factors correspond to changes in the ear due to otitis itself and prevent its resolution.

There are some predisposing factors that increase moisture in the ear canal, leading to maceration and microbial growth. Some of these predisposing factors are:

- Anatomical conformation of the external ear (for example, hairy or stenotic ear canals).
- Excess humidity due to the presence of water or environmental factors.
- Obstruction of the ear canal (for example, polyps).
- Systemic diseases.
- Consequences of treatment (for example, changes in the normal microflora or trauma due to inadequate cleaning).

Besides that, the continuous cycle of infection and inflammation can lead to stenosis of the ear canal, making it difficult for secretions to drain and causing the proliferation of infectious agents, such as yeasts and bacteria.

Proper cleaning of the ear canal has several benefits. The presence of exudate not only impairs the otoscopic examination, but also prevents therapy from being effective, since exudates and inflammatory debris can inactivate some drugs and prevent contact with the epithelium. Appropriate cleaning removes microorganisms, bacterial toxins, cell debris and fatty acids, also reducing inflammation. It is also a primary treatment when epithelial migration fails, as it prevents the buildup of cerumen and debris that can alter the environment of the ear canal and promote secondary bacterial or yeast infection.

Mechanism of action:



Boric acid has a drying action, a characteristic that makes it particularly useful when the ear canal is wet.



Glycolic Acid is a soluble natural acid with lipolytic and keratolytic properties.

Composition:

Boric Acid

2 %

Glycolic Acid

2 %

Daily application:

- Apply ABELIA® GlycoZoo carefully until filling the ear canal (1 to 5 ml is needed, depending on the breed).
- Gently massage the base of the ear for a few seconds.
- Remove excess solution with a gauze or paper towel.

Initial: 1-2 times / day.

Maintenance: 1-2 times / week.



Recommended Uses:

- Cerumenolytic, lipolytic, drying and acidifying action.
- Lipolytic effect, useful in ears with excess sebum.
- Exfoliating action that favors the renewal of the epithelium, the elimination of detritus and allows better contact with the active principles.
- Especially useful in moist ears and for animals in humid environments.
- Drying action of the ear canal (eg it can help in prevention in swimming dogs).
- Malodorous ears.

Benson CE. Susceptibility of selected otitis externa pathogens to individual and mixtures of acetic and boric acids. Proc Annu Am Acad Vet Derm/Am Coll Vet Derm 1998;14:121.
Cole LK. Topical and systemic medications for otitis externa & otitis media. Western Veterinary Conference, 2013.
Gotthelf LN, Young SE. New treatment of Media. NAVC Proceedings 2005
Merchant SR. Medically managing chronic otitis externa and media. Vet Med 1997;92:518-534.
Moog, F.; Miville, J.; Brun, J.; Dumitrache, M.O.; Amalric, N.; Lecru, L.-A.; Pressanti, C.; Kondratjeva, J.; Combarros, D.; Fantini, O.; et al. Clinical and Microbiological Performances and Effects on Lipid and Cytokine Production of a Cerumenolytic Ear Cleaner in Canine Erythematoceruminous Otitis Externa. Vet. Sci. 2022, 9, 185
Plant JD. Management of Otitis Externa. Banfield Publication 2009.

