

EpiOtic®

Reg. No. G2399 (Act 36/1947)

SIS
SKIN
INNOVATIVE
SCIENCE



EpiOtic® - Virbac's Ear Cleaner

An ear cleaner to aid in the management of Otitis Externa

Shaping the future of animal health

Virbac

Cleanse with EpiOtic

Maintain a healthy ear using EpiOtic

Help the ear to defend itself and guard against ear problems.
A leading veterinary ear cleanser for 25 years.

Easy to use & short nozzle

- To limit microbial contamination and reseeding of infection

Gentle & soothing

- Neutral pH for optimal tolerance
- For dogs, cat, kittens and puppies
- Alcohol and fragrance free

Anti-odour

- Neutralises unpleasant smells

Anti bacterial

- PCMX for antibacterial properties
- EDTA to disrupt the outer membrane of gram-negative bacteria, rendering them easier to kill

New Defensin technology

- Stimulates the synthesis of endogenous anti-microbial peptides²
- Helps the skin to defend itself against pathogens³

Anti-adhesive

- Glycotechnology to limit microbial adherence and surface proliferation
- Easier killing and removal of bacteria

Cleansing & drying

- Salicylic and non-ionic surfactant to help remove dirt and excess wax
- Docusate sodium dries ears

Use EpiOtic for:

- Routine cleansing – to remove ear wax and debris
- Easier examination – cleans away dirt to see more clearly
- Maintain ear hygiene – in predisposed breeds or dogs with a history of ear problems



S-I-S SKIN INNOVATIVE SCIENCE™

Cutting-edge science with Virbac Dermatology

S-I-S SKIN INNOVATIVE SCIENCE™

Is a combination of 2 technologies from Virbac that work together to maintain microbial balance and HELP THE SKIN RECOVER.

Defensin technology

Two plant extracts stimulating the endogenous antimicrobial peptides.

Glycotechnology

A combination of monosaccharides decreasing microbe adherence to the skin.

20 % of dogs are affected by Otitis³

Causes

Predisposing factors

- Unfavourable microenvironments impeding normal protective mechanisms
- Certain ear conformations such as stenosis, dense hair growth in the ear canal, excessive cerumen productions (Cocker Spaniel, Shar Pei, etc)

Primary causes

- Capable of causing otitis externa alone (foreign bodies, parasites, tumours ...)
- Allergic dermatitis (atopic dermatitis, adverse food reactions ...)
- Parasites (Otodectes, Demodex, Sarcoptes ...)
- Miscellaneous (hypothyroidism, ear canal neoplasia, pemphigus foliaceus ...)

Perpetuating factors

- Bacterial & yeast secondary infections
- Otitis media, ear canal stenosis
- Otitis externa in dogs (erythema ceruminous) = 75 % are allergic dermatitis related³

References

1. Lloyd, D., Bond, R. and Lamport, I. (1998). Antimicrobial activity in vitro and in vivo of a canine ear cleanser. *Veterinary Record*, 143(4), pp.111-112.
2. Navarro, C. (2020). Persistence of antimicrobials in the ear canal of dogs treated with a topical ear formulation after application of an ear cleaner.
3. Saridomichelakis, M., Farmaki, R., Leontides, L. and Koutinas, A. (2007). Aetiology of canine otitis externa: a retrospective study of 100 cases. *Veterinary Dermatology*, 18(5), pp.341-347.



Otitis Externa in dogs
(erythema ceruminous)
= 75 % are allergic dermatitis related¹

Cleaning & treating for otitis externa



Effective treatment of otitis externa requires the persistence of antimicrobial actives in the ear for a period of time. Sometimes veterinarians are reluctant to clean ears whilst treating otitis externa in the event that cleaning will diminish the action of treatment medication(s).

One study² has confirmed that the prolonged gentamicin and miconazole actives concentration in the ear canal is not affected by the cleansing of ears with EpiOtic, 30 minutes prior to treatment.

Results

- Gentamicin concentrations were above the MIC90 of *Staphylococcus pseudintermedius* strains (0,5 µg/ml) on D10 and D15
- Average miconazole concentrations were above the MIC90 of *Malassezia pachydermatis* strains ((0,75 µg/ml) on D10 and D15
- No side effects were reported



Conclusion

Cleaning of the ears with EpiOtic before each application did not affect the antimicrobial effect of an ear cleaner containing gentamicin and miconazole.

Composition

Disodium EDTA 0,5 % m/m, Salicylic acid 0,2 % m/m, Chloroxylonol 0,09% m/m,
Diethylexyl sodium sulfosuccinate 0,5 % m/m, Glycotechnology (Rhamnose, Galactose, Mannose) 0,15 % m/m,
Defensin technology (Peumus boldus leaf extract, Spiraea ulmaria extract) 0,2 % m/m.

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Namibia Reg. No: V06/3.1.2/614 [NSO](#)

Zambia Reg. No: 359/703V P

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