

# TrisOtic™ Ear/Skin Cleanser

First Choice Treatment in Bacterial Otitis or as Antibiotic Synergizer

## TrisOtic™ Ear/Skin Cleanser



Antimicrobial, Antibiotic Enhancer, Alkalinizing and Non-Irritating Otic Solution for Dogs, Cats and Horses

### INDICATIONS:

Designed for routine ear/skin cleaning. Use as directed by a veterinarian. For dogs, cats and horses. Number one choice of veterinarians as a component in treatment of gram negative bacterial otitis.

### INGREDIENTS:

**Tromethamine (Tris), Edetate Disodium Dihydrate (Edta), buffered with Tromethamine HCL in deionized water.**

University researched and tested.

Available in 4 ounce and 16 ounce bottles.

### DermaZoo Gemish<sup>1,2</sup>

Add 6-12 ml of large animal Baytril (100 mg/ml) or 1200 mg of another antibiotic ( i.e. amikacin, gentocin) to a 4 oz. bottle of flush. If a topical anti-inflammatory is needed, add 40 mg of Dexamethasone sodium phosphate/DexSP (4 mg/ml). If adding more than 12 ml to a 4 oz. bottle, remove like amount of TrisOtic product. Fill the ear canal(s) twice a day for 30-60 days or until the infection is resolved. Don't wipe out of ear canals.

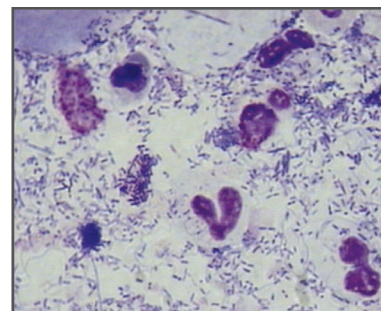
## Benefits of TrisOtic™

- Broad spectrum, non-ototoxic, antibacterial without the need for antibiotics (avoids development of resistance).
- Alkaline solution synergistic with fluorinated quinolones and aminoglycosides against all bacteria<sup>1</sup> i.e. Pseudomonas and Proteus (Gram -)
- Safe and ideal for prolonged treatments, non-irritating
- Contains no alcohol or nonoxyl, decreasing the risk of middle ear damage.

The synergistic effect of TrisOtic™'s active ingredients encourages the resolution of multiresistant bacterial otitis and prevention of recurrence. TrisOtic™ is the first choice in complex bacterial otitis due to its broad spectrum of action, antibiotic enhancement and safe use in the event of tympanic membrane perforation.

Alkalinizing, pH 8, TrisOtic™ potentiates antibiotics like Baytril® and aminoglycosides, blocks Pseudomonas efflux pump, inhibits the effects of ulcerating bacterial enzymes, and weakens the gram-negative cell wall. It is safe as a flushing agent in the middle ear (non-ototoxic) and multiple organ systems (urogenital, skin, bladder, trachea, etc.).

Gram negative infections by definition are chronic diseases<sup>1,2</sup>. It is well recognized that it is rare for chronic disease not to have concurrent otitis media present.<sup>3</sup> Flush solutions in such situations should therefore have a high degree of middle ear safety. This gentle aqueous non-ototoxic formulation can be used with confidence in the knowledge it is unlikely to cause problems. TrisOtic™ is simply an aqueous product. It does not contain any potentially ototoxic substances such as alcohol, detergent (non-oxynol), and/or animal by products (lanolin).



Cytology of gram-negative rods

### References:

1. Gotthelf, L., Small Animal Ear Diseases 2nd Ed textbook, Elsevier, 2006.
2. VIN dermatology folder, 2007.
3. Wooley, numerous published articles, see web site.
4. Gbadamosi and Gotthelf, Evaluation of the IN VITRO Effect of TrisEDTA on the Minimum Inhibitory Concentration (MIC) of Enrofloxacin Against Ciprofloxacin Resistant PSEUDOMONAS Aeruginosa. Proceedings of the ACVD/AAVD meeting, 2003.

More References at [www.dermazoo.com/trisotic-references](http://www.dermazoo.com/trisotic-references)



Video-otoscope photo of Pseudomonas ear canal

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