

For the use only of a Registered Veterinary Practitioner Only, Hospital or Laboratory.

## Ofloxacin, Clotrimazole, Betamethasone Dipropionate, Lignocaine Hydrochloride Ear Drops

# OtikOO™ Ear Drops

### COMPOSITION

Each ml contains:

Ofloxacin USP .....	0.3% w/v
Clotrimazole BP .....	1.0% w/v
Betamethasone Dipropionate USP .....	0.025% w/v
Lignocaine Hydrochloride BP .....	2.0% w/v
Excipients .....	q.s

**CATEGORY:** Anti-bacterial, Anti-Fungal And Anti-Inflammatory

### PHARMACOLOGY

- Ofloxacin is a fluoroquinolone that has a broad spectrum of activity against otic pathogens but lacks the capacity for ototoxicity. Hence ofloxacin is preferred to aminoglycosides for any application within the middle ear space. Ofloxacin exerts its antibacterial activity by inhibiting DNA gyrase, a bacterial enzyme that is essential in DNA replication, repair, deactivation and transcription.
- Clotrimazole is a synthetic imidazole derivative. Clotrimazole is a broad-spectrum antifungal agent that has fungicidal activity against fungi responsible for superficial mycotic infections affecting the outer or middle ear including *Candida*, *Microsporum*, *Trichophyton*. Clotrimazole inhibits fungal cytochrome P-450 synthesis of ergosterol, which decreases fungal cell wall integrity. By inhibiting the biosynthesis of ergosterol for fungal cytoplasmic membrane, clotrimazole inhibits fungal growth. Resistance to clotrimazole is very rare among the fungi that cause superficial mycoses. Clotrimazole also has activity against certain gram-positive bacteria such as *Streptococci* and *Staphylococci*. It is the most widely used topical azole. It's antibacterial effect is advantageous in treating mixed bacterial-fungal infections.

- Betamethasone dipropionate is a glucocorticoid steroid with anti-inflammatory and immunosuppressive abilities.
- Lignocaine Hydrochloride is a topical anesthetic with a low index of sensitisation and toxicity. It helps reduce pain and stinging in the ear.

### INDICATIONS

Acute and Chronic Otitis externa, associated with bacteria &/or fungi.

### DOSAGE

Administer 8-10 drops in each ear or as directed by the Veterinarian.

### PRECAUTION

Do not touch the dropper tip to any surface since it may contaminate the solution.

### STORAGE

Store below 25°C. Store in cool and dry place.  
Use the solution within one month after opening the container.

Schedule 'H' Drug Warning: To be sold by retail on the prescription of Registered Veterinary Practitioner only.

**Veterinary.**  
**Not For Human Use.**  
**For External Use only.**  
**Not For Injection.**

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