

## **OTIFLOX New EAR DROPS:**

### **Composition:**

Neomycin	0.5% w/v
Beclomethasone Dipropionate	0.025% w/v
Clotrimazole	1% w/v
Lignocaine HCl	2% w/v

### **Pharmacology:**

Neomycin 0.5% w/v

It is the sulfate salt of neomycin B and C, which are produced by the growth of *Streptomyces fradiae* Waksman (Fam. Streptomycetaceae). It has a potency equivalent of not less than 600µg of neomycin standard per mg, calculated on an anhydrous basis. Neomycin is an aminoglycoside antibiotic. Neomycin acts by binding to polysomes, inhibiting protein synthesis and generating errors in the transcription of the genetic code.

### **Beclomethasone 0.025%**

It is a steroid which promptly blocks inflammation & allergy.

### **Clotrimazole 1%**

It covers all common fungi like *Candida*.

Clotrimazole works to kill individual *Candida* or fungal cells by altering the permeability of the fungal cell wall. It binds to phospholipids in the cell membrane and inhibits the biosynthesis of ergosterol and other sterols required for cell membrane production. This leads to the cell's death via loss of intracellular elements.

### **Lignocaine HCl 2%**

It is widely used and trusted local anaesthetic that blocks sensation of pain.

### **Indications:**

- Mixed Ear Infections
- Otitis Externa

-Chronic suppurative otitis media

**Contraindications:**

1. Hypersensitivity to any of the ingredients
2. Contraindicated in patients with psychiatric illnesses and in patients with epilepsy or other seizure disorders.
3. Severe systemic infections
4. This preparation should not be applied in the external auditory canal of patients with known or suspected perforated eardrums because of the possibility of ototoxicity caused by neomycin.

**Warnings and precautions:**

Pregnancy:

Should be used with caution in pregnant women.

Pediatric:

Not recommended in children

**Adverse Reactions:**

Otiflox New ear drops can give mild irritation, burning or stinging sensation in the ear after application.

**Presentation:**

Available in 5 ml bottle with in-built dropper.

Advantages of in-built dropper:

- ☐ Decreases chances of contamination
- ☐ Ensures dosage accuracy
- ☐ Avoids wastage due to Spillage