OTIC PREPARATIONS

Brand	Class	Form	Active Ingredient(s)
ANALGESICS + ANESTHETICS + ANTIBACTERIALS			
AURALGAN OTIC	℞	soln	Antipyrine 5.4% + benzocaine 1.4% + acetic acid 0.01%
ANESTHETIC COMBINATIONS			
Antipyrine/Benzocaine (various)	℞	soln	Antipyrine 5.4% + benzocaine 1.4%
ANALGESICS + ANESTHETICS + ANTIBACTERIALS			
AURALGAN OTIC	℞	soln	Antipyrine 5.4% + benzocaine 1.4% + acetic acid 0.01%
ANTIBIOTICS			
FLOXIN OTIC	℞	soln	Ofloxacin 0.3%
ANTIBIOTICS + CORTICOSTEROIDS			
CIPRO HC OTIC	℞	susp	Ciprofloxacin 2mg/mL + hydrocortisone 10mg/mL
CIPRODEX	℞	susp	Ciprofloxacin 0.3% + dexamethasone 0.1%
COLY-MYCIN S OTIC	℞	susp	Colistin sulfate 3mg/mL + neomycin sulfate 3.3mg/mL + hydrocortisone acetate 10mg/mL + thonzonium bromide 0.5mg/mL
CORTANE-B AQUEOUS	℞	soln	Chloroxylenol 1mg/mL + pramoxine HCl 10mg/mL + hydrocortisone 10mg/mL
CORTANE-B OTIC	℞	soln	Chloroxylenol 1mg/mL + pramoxine HCl 10mg/mL + hydrocortisone 10mg/mL
CORTIC	℞	soln	Chloroxylenol 1mg/mL + pramoxine HCl 10mg/mL + hydrocortisone 10mg/mL
CORTIC-ND	℞	soln	Chloroxylenol 1mg/mL + pramoxine HCl 10mg/mL + hydrocortisone 10mg/mL + benzalkonium chloride 0.1mg/mL
CORTISPORIN OTIC SOLUTION	℞	soln	Polymixin B 10000Units/mL + neomycin 3.5mg/mL + hydrocortisone 10mg/mL
CORTISPORIN-TC OTIC	℞	susp	Colistin sulfate 3mg/mL + neomycin 3.3mg/mL + thonzonium bromide 0.5mg/mL + hydrocortisone 10mg/mL
PEDIOTIC	℞	susp	Polymixin B 10000Units/mL + neomycin 3.5mg/mL + hydrocortisone 10mg/mL
Polymixin B/Neomycin/ Hydrocortisone Otic Suspension (various)	℞	susp	Polymyxin B sulfate 10000Units/mL + neomycin sulfate 3.5mg/mL + hydrocortisone 10mg/mL
ZOTO-HC	℞	soln	Chloroxylenol 1mg/mL + pramoxine HCl 10mg/mL + hydrocortisone 10mg/mL
CERUMINOLYTICS			
AURO	OTC	soln	Carbamide peroxide 6.5%
DEBROX	OTC	soln	Carbamide peroxide 6.5%
MURINE EAR DROPS	OTC	soln	Carbamide peroxide 6.5%
MURINE EARIGATE	OTC	spray	Isotonic, desalinated seawater
MURINE EARIGATE KIDS	OTC	reduced-pressure spray	Isotonic, desalinated seawater
DRYING AGENTS			
AURO-DRI	OTC	soln	Isopropyl alcohol 95% + anhydrous glycerin 5%
SWIM EAR	OTC	soln	Isopropyl alcohol 95% + anhydrous glycerin 5%
STEROIDS			
DERMOTIC OIL	℞	drops	Fluocinolone acetonide 0.01%

CLASSES & PHARMACOLOGY:

ANESTHETICS: Benzocaine, pramoxine, and antipyrine relieve pain and pruritus.

ANTIBIOTICS: Neomycin is active against *S. aureus, E. coli, H. influenzae, K. pneumoniae, Enterobacter, Neisseriae, P. aeruginosa.*

Neomycin can cause hearing loss and should usually not be used for more than 10 days; it can also cause sensitization.

Ofloxacin is a fluoroquinolone antibiotic active against *S. aureus, P. aeruginosa, P. mirabilis, S. pneumoniae, H. influenzae, M. catarrhalis.*

Ciprofloxacin is a fluoroquinolone antibiotic active against *S. aureus, P. mirabilis, P. aeruginosa.*

Colistin is active against most strains of gram negative bacteria including *P. aeruginosa, E. coli, K. pneumoniae, Aerobacter.*

Chloroxylenol, a halogenated phenol, is a germicide that is effective against gram negative and gram positive bacteria, fungi, and yeast.

CORTICOSTEROIDS: Hydrocortisone controls inflammation, edema, pruritus. It should not be used in the presence of local viral infections and it can impede wound healing.

CERUMINOLYTICS: Carbamide peroxide mechanically softens and loosens excessive ear wax. Triethanolamine polypeptide oleate is a surfactant that breaks up cerumen.

DRYING AGENTS: Isopropyl alcohol and anhydrous glycerin have surface-tension releasing properties which dislodge trapped water from the sides of the ear canal, allowing it to run out or evaporate.

PRESERVATIVES: Thimerosal (a mercury derivative), parabens, sulfites, oxyquinoline sulfate, or benzalkonium chloride may cause sensitization. Benzalkonium chloride also reduces surface tension.

EXCIPIENTS AND VEHICLE: Propylene glycol, polysorbate 80 aid in product formulation. Products that contain hydrochloric acid should be used only in the presence of an intact eardrum.

SURFACTANTS: Thonzonium bromide is a surface-active agent that promotes tissue contact by dispersion and penetration of the cellular debris and exudate.

Note: Warming an otic product by holding the bottle in hand for 1–2 min may minimize dizziness and pain on application; do not heat above body temperature.