FIGURE 1

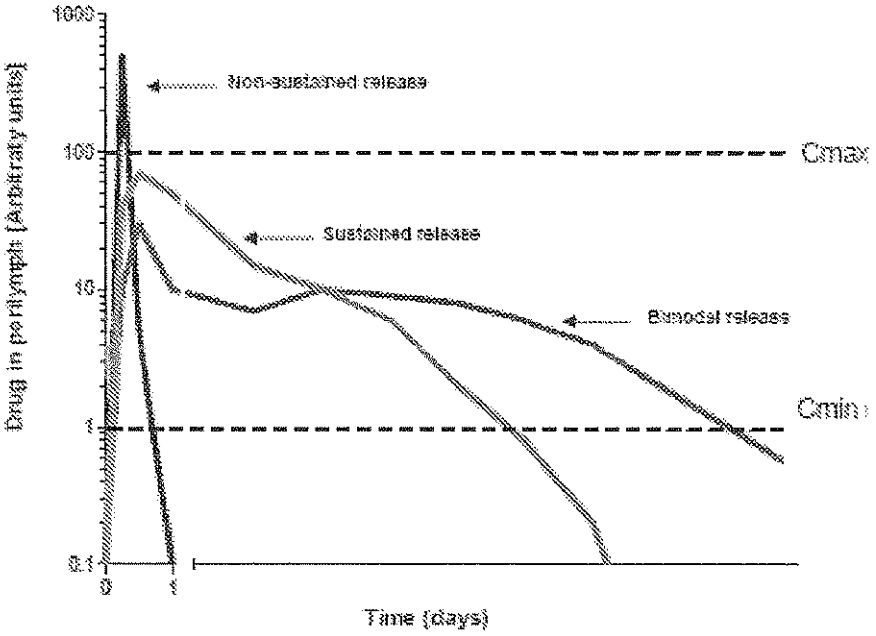

1000
100
10
1
0.1
Drug in perilymph (Arbitrary units)
Non-sustained release
Cmax
Sustained release
Bimodal release
Cmin
0
1
Time (days)

FIGURE 2

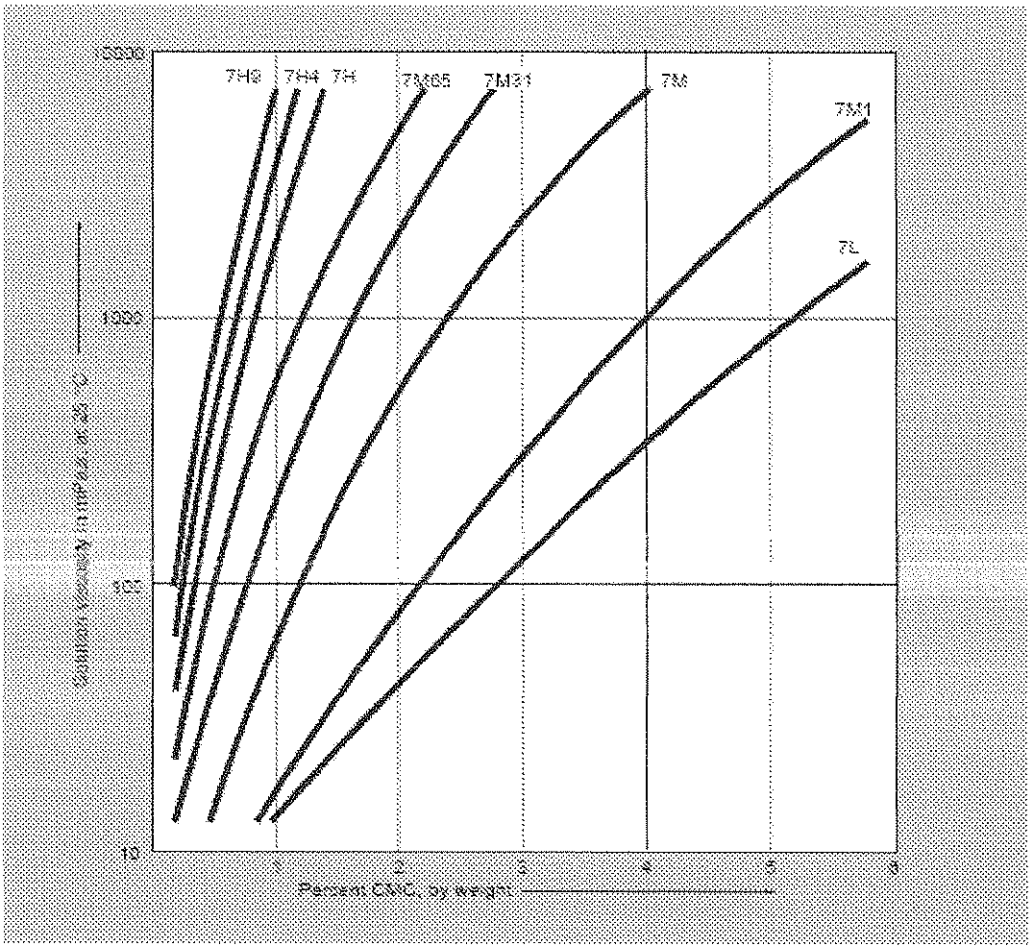

7H8
7H4
7H
7M65
7M31
7M
7M1
7L
10000
1000
100
10
1
2
3
4
5
6
Percent CNC, by weight

FIGURE 3

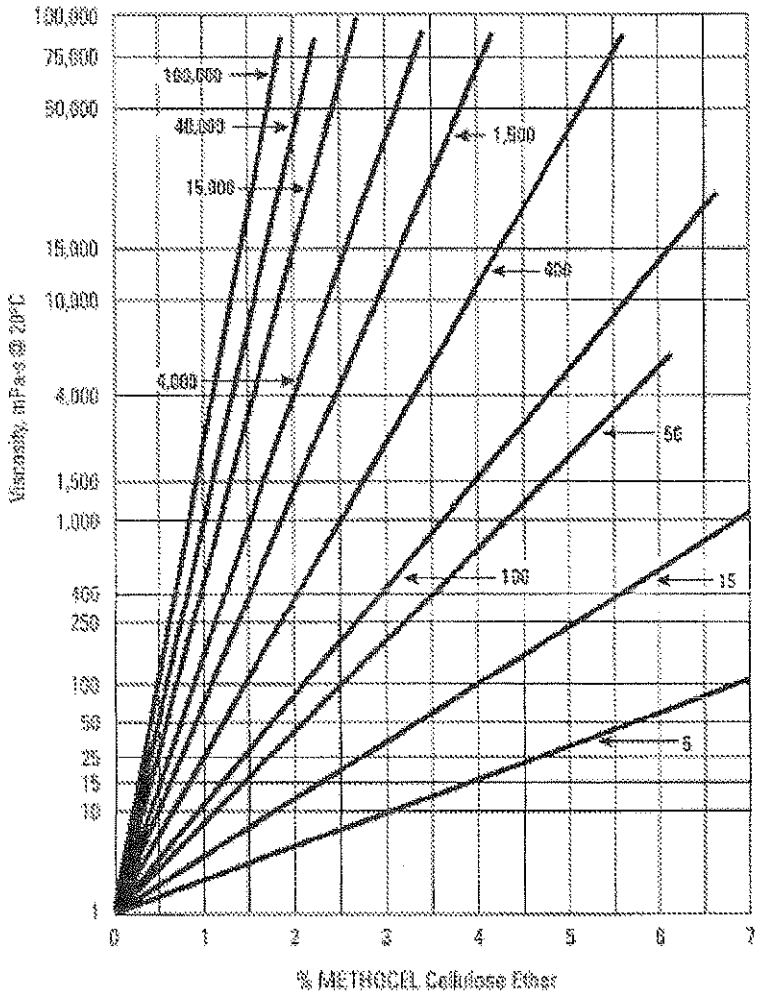

100,000
75,000
50,000
15,000
10,000
4,000
1,500
1,000
400
250
100
50
25
15
10
1
Viscosity, mPa-s @ 20°C
0
1
2
3
4
5
6
7
% METHOCEL Cellulose Ether
100,000
40,000
15,000
4,000
1,500
400
50
15
5

FIGURE 4

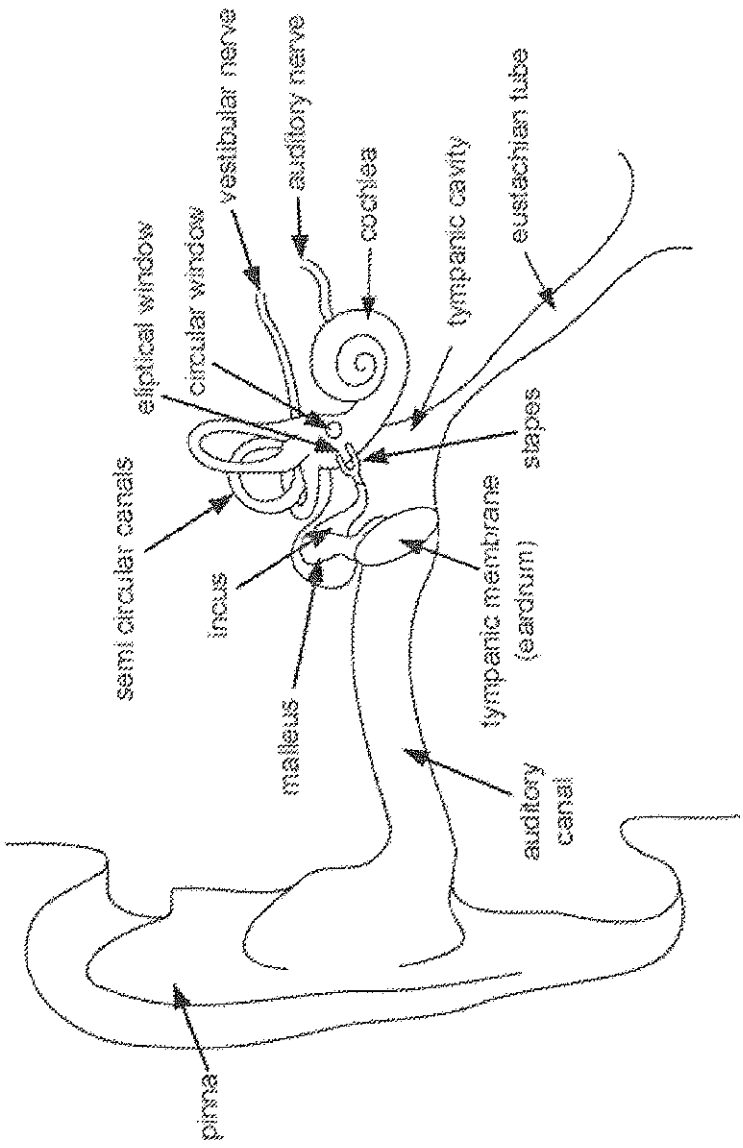
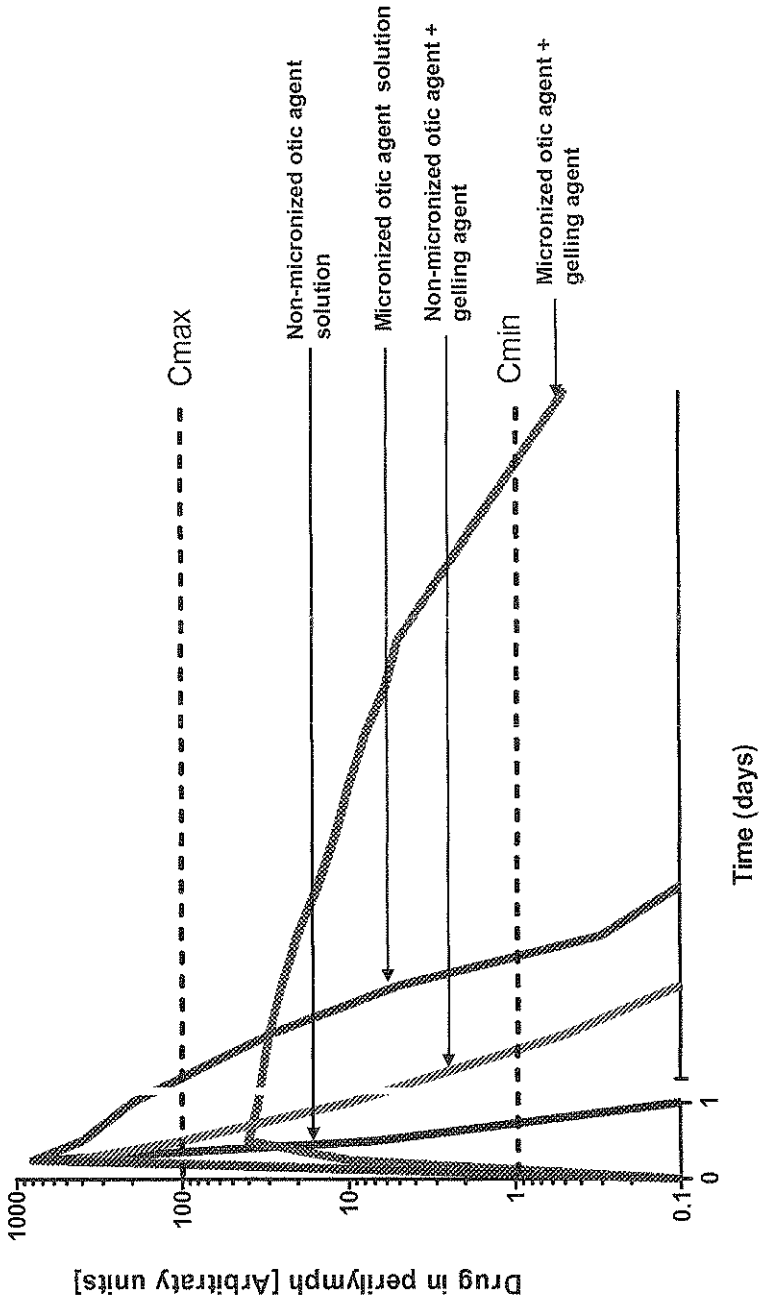

vestibular nerve
auditory nerve
cochlea
tympanic cavity
eustachian tube
elliptical window
circular window
semi circular canals
incus
malleus
stapes
tympanic membrane (eardrum)
auditory canal
pinna

FIGURE 5


Drug in perilymph [Arbitraty units]
1000
100
10
1
0.1
0
1
Time (days)
Cmax
Cmin
Non-micronized otic agent solution
Micronized otic agent solution
Non-micronized otic agent + gelling agent
Micronized otic agent + gelling agent