FIGURE 1

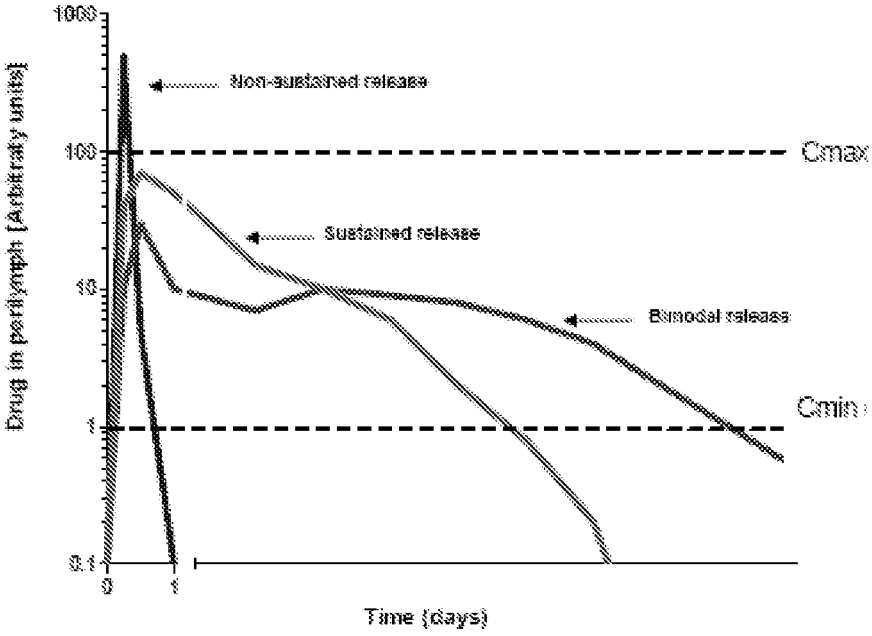

1000
100
10
1
0.1
Drug in perilymph [Arbitrary units]
Non-sustained release
Sustained release
Bimodal release
Cmax
Cmin
0
1
Time (days)

FIGURE 2

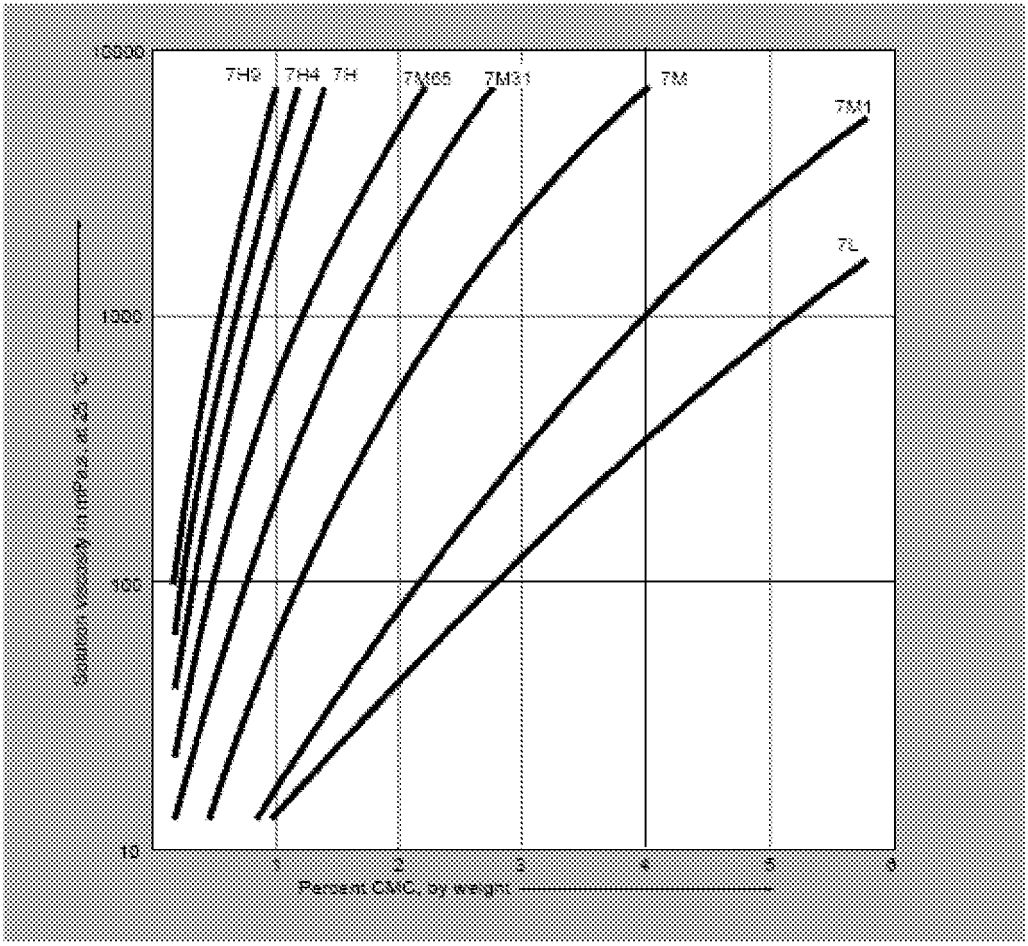

7H2
7H4
7H
7M65
7M31
7M
7M1
7L
10000
1000
100
10
1
2
3
4
5
6
Percent CMC, by weight

FIGURE 3

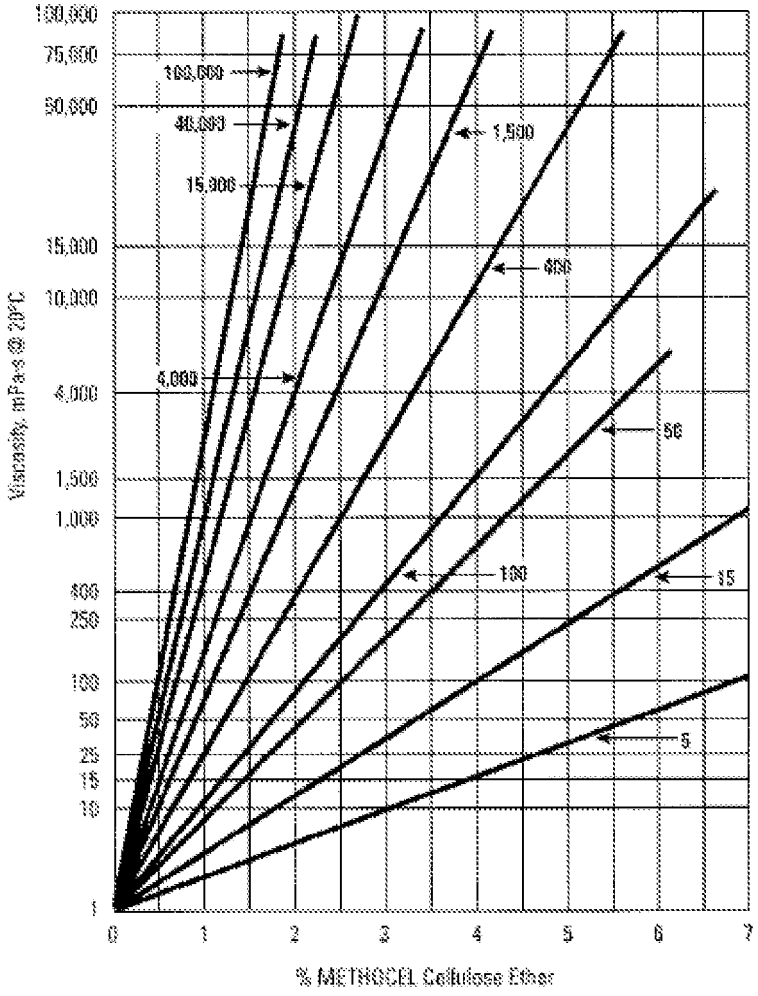

100,000
75,000
50,000
15,000
10,000
4,000
1,500
1,000
400
250
100
50
25
15
10
1
Viscosity, mPa·s @ 20°C
100,000
40,000
15,000
4,000
1,500
400
100
15
5
0
1
2
3
4
5
6
7
% METHOCEL Cellulose Ether

FIGURE 4

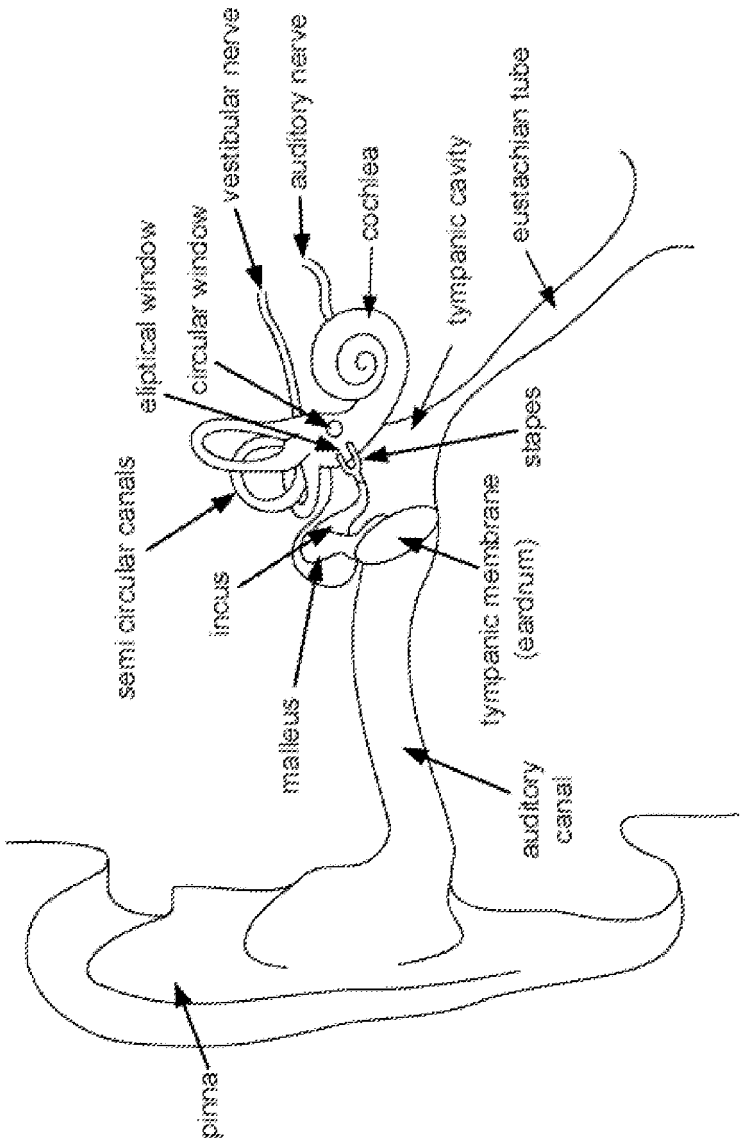
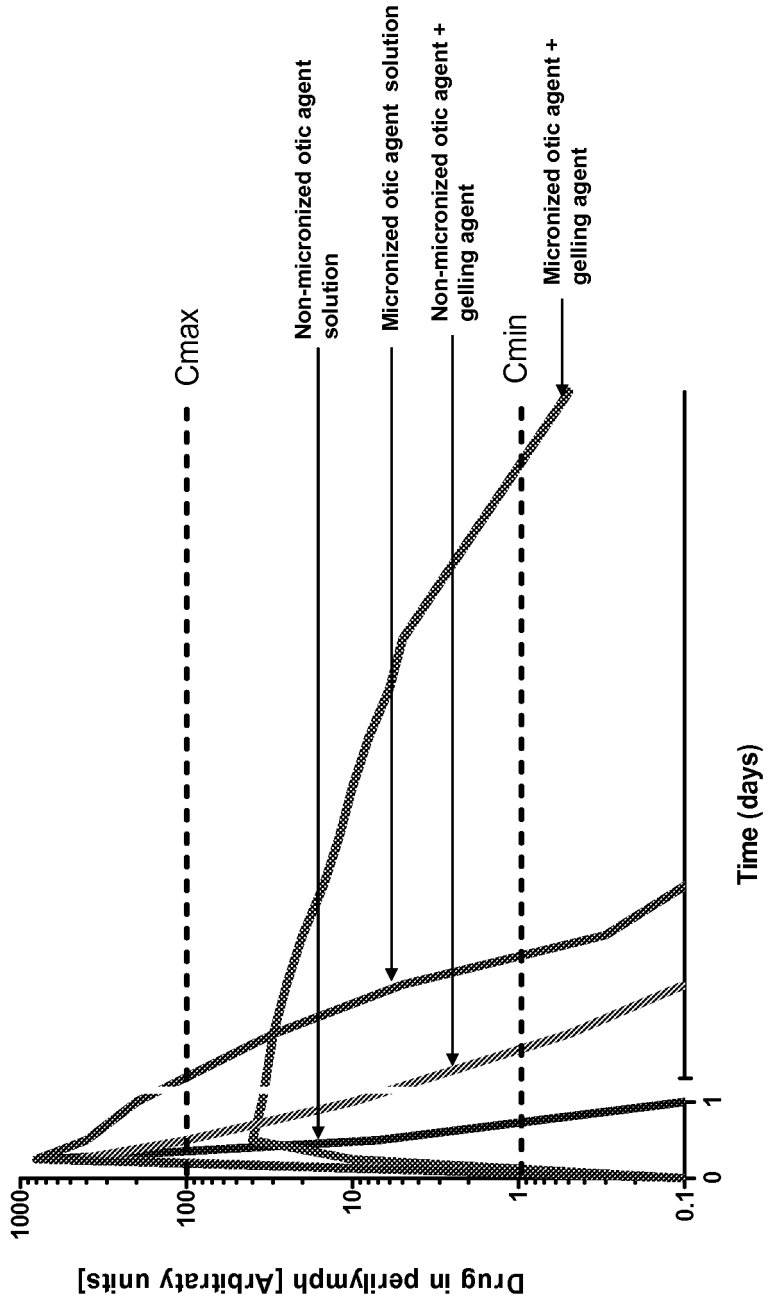

vestibular nerve
auditory nerve
elliptical window
circular window
cochlea
tympanic cavity
eustachian tube
semi circular canals
incus
stapes
tympanic membrane
(eardrum)
malleus
auditory
canal
pinna

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