Figure 1

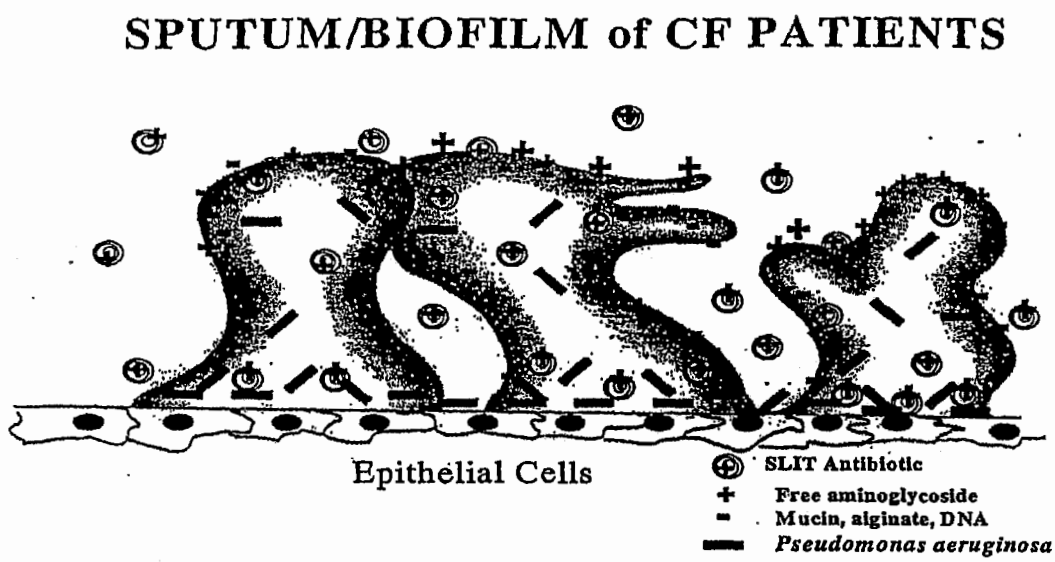


Figure 2

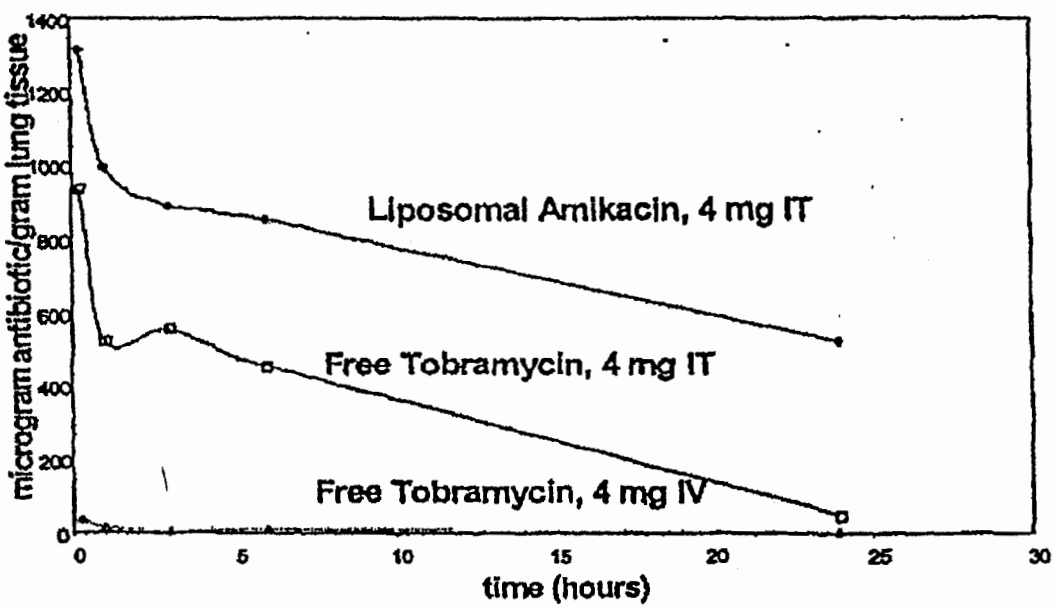


Figure 3

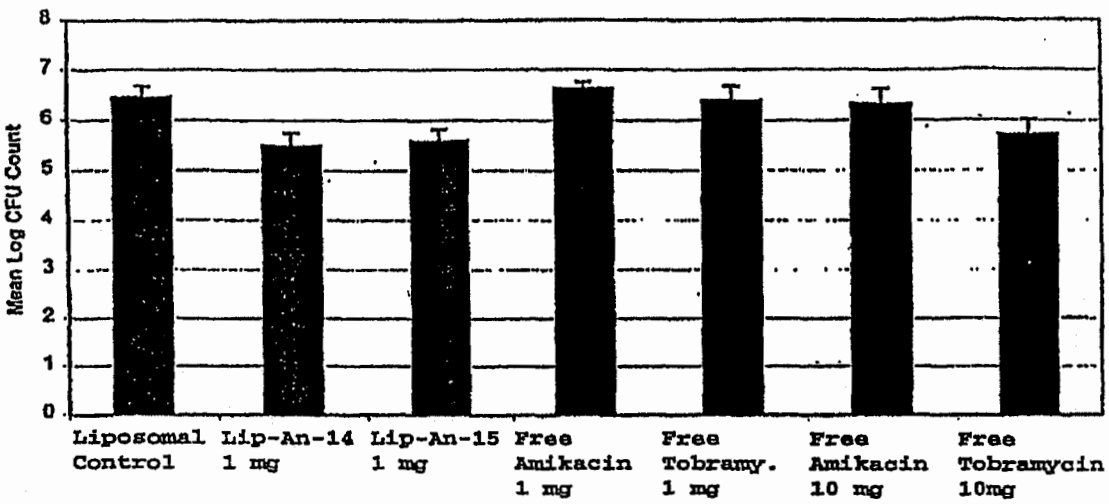


Figure 4

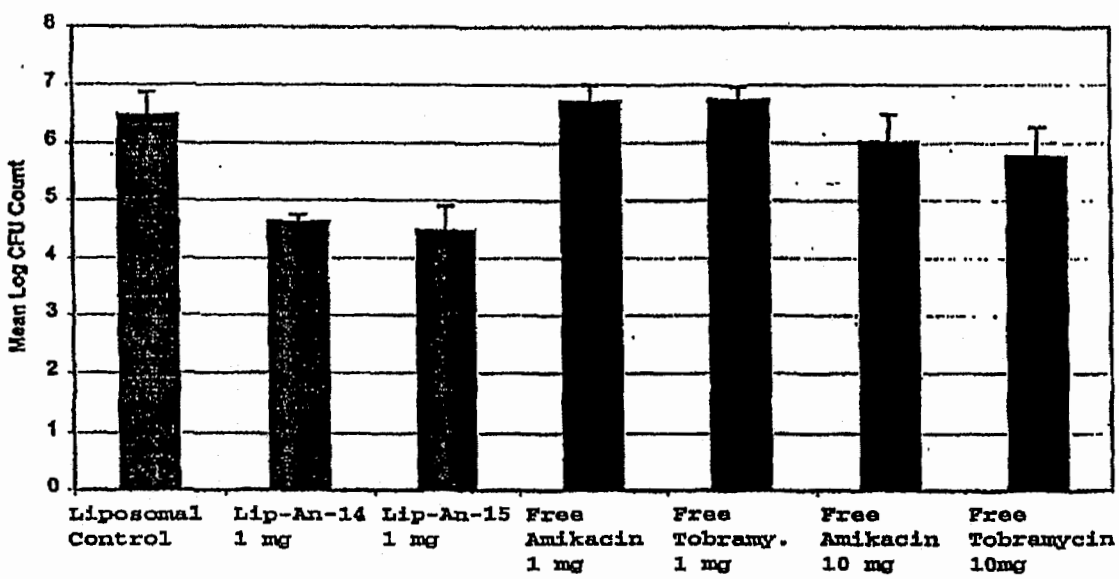


Figure 5

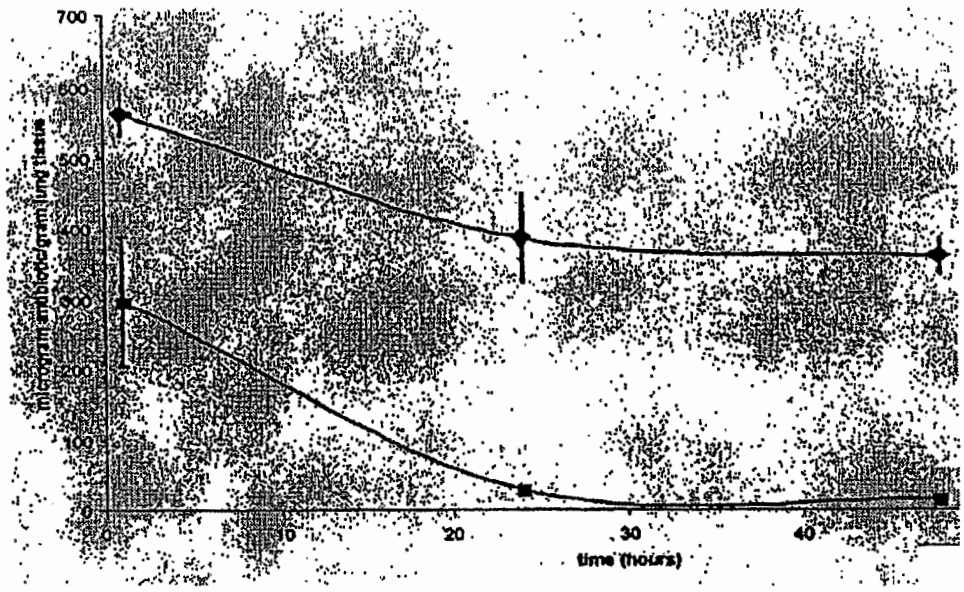


Figure 6

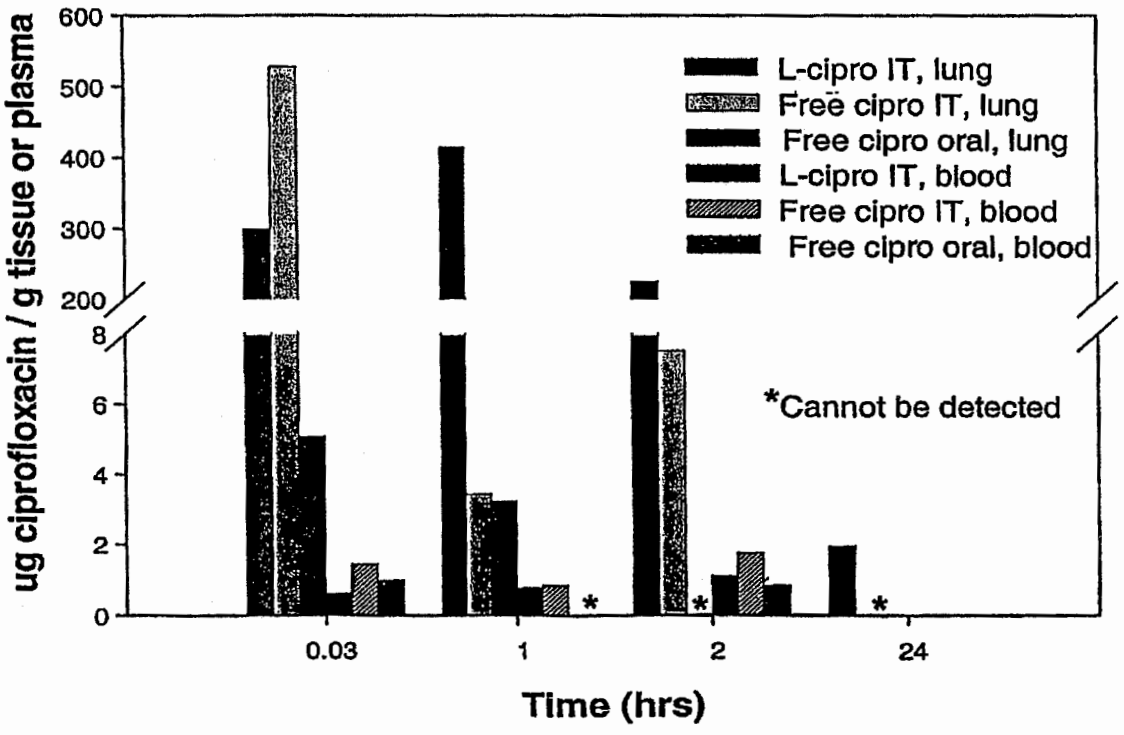


Figure 7

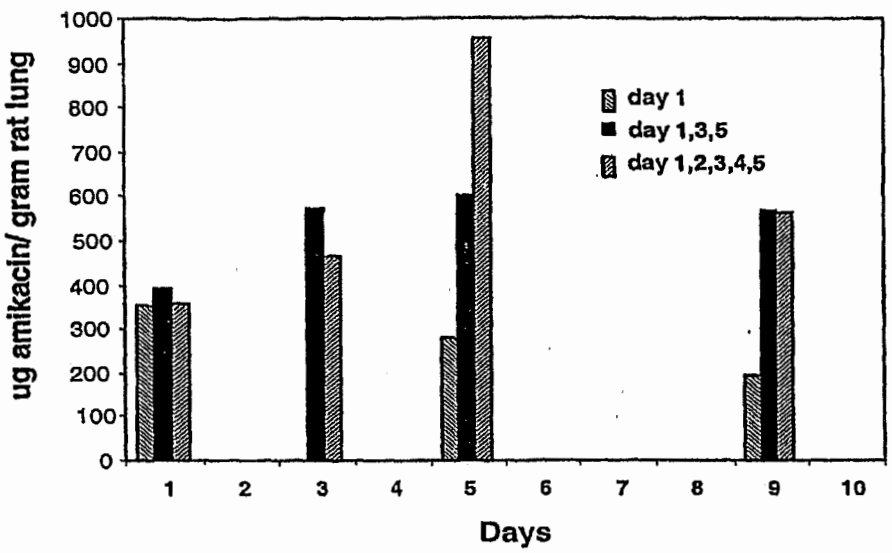

ug amikacin/ gram rat lung
1000
900
800
700
600
500
400
300
200
100
0
1
2
3
4
5
6
7
8
9
10
Days
day 1
day 1,3,5
day 1,2,3,4,5

Figure 8

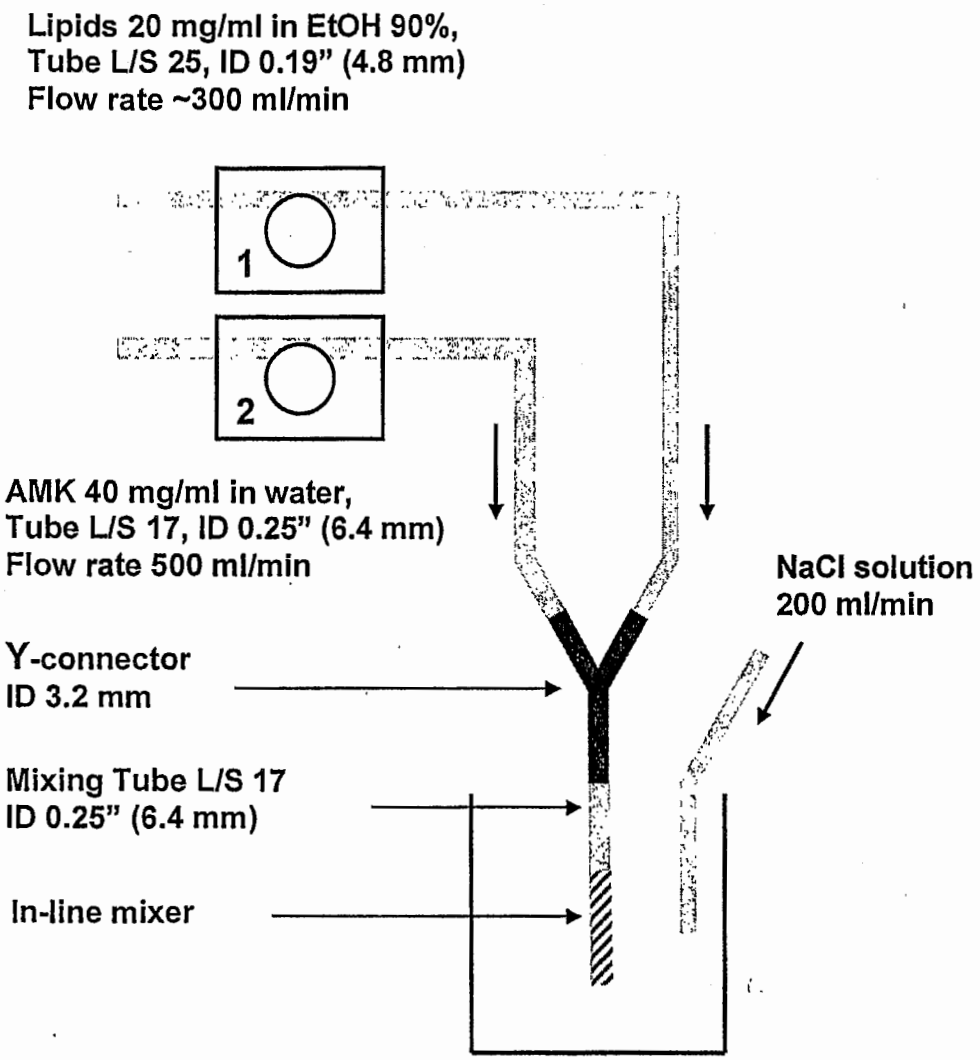
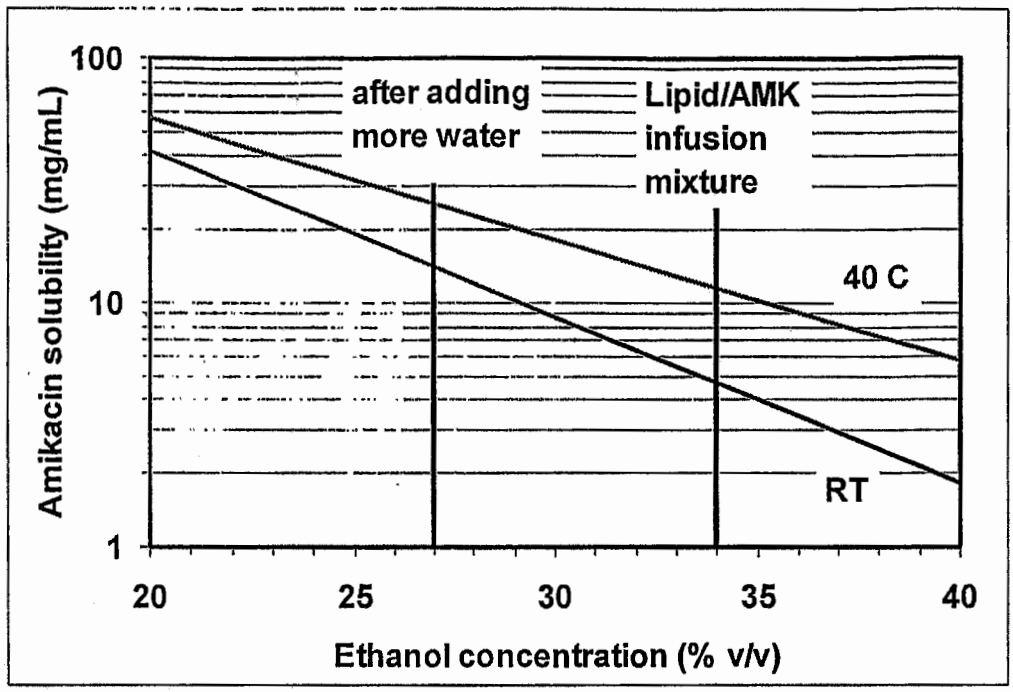

Lipids 20 mg/ml in EtOH 90%,
Tube L/S 25, ID 0.19" (4.8 mm)
Flow rate ~300 ml/min
1
2
AMK 40 mg/ml in water,
Tube L/S 17, ID 0.25" (6.4 mm)
Flow rate 500 ml/min
NaCl solution
200 ml/min
Y-connector
ID 3.2 mm
Mixing Tube L/S 17
ID 0.25" (6.4 mm)
In-line mixer

Figure 9


100
10
1
Amikacin solubility (mg/mL)
after adding
more water
Lipid/AMK
infusion
mixture
40 C
RT
20
25
30
35
40
Ethanol concentration (% v/v)