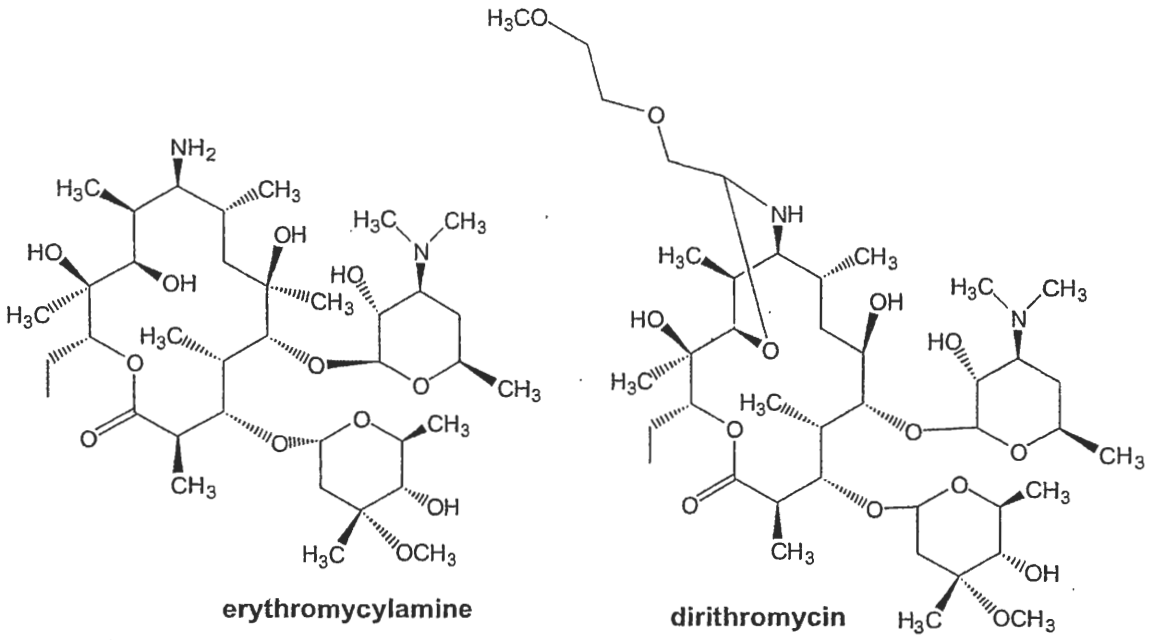

erythromycylamine
dirithromycin

FIG. 1

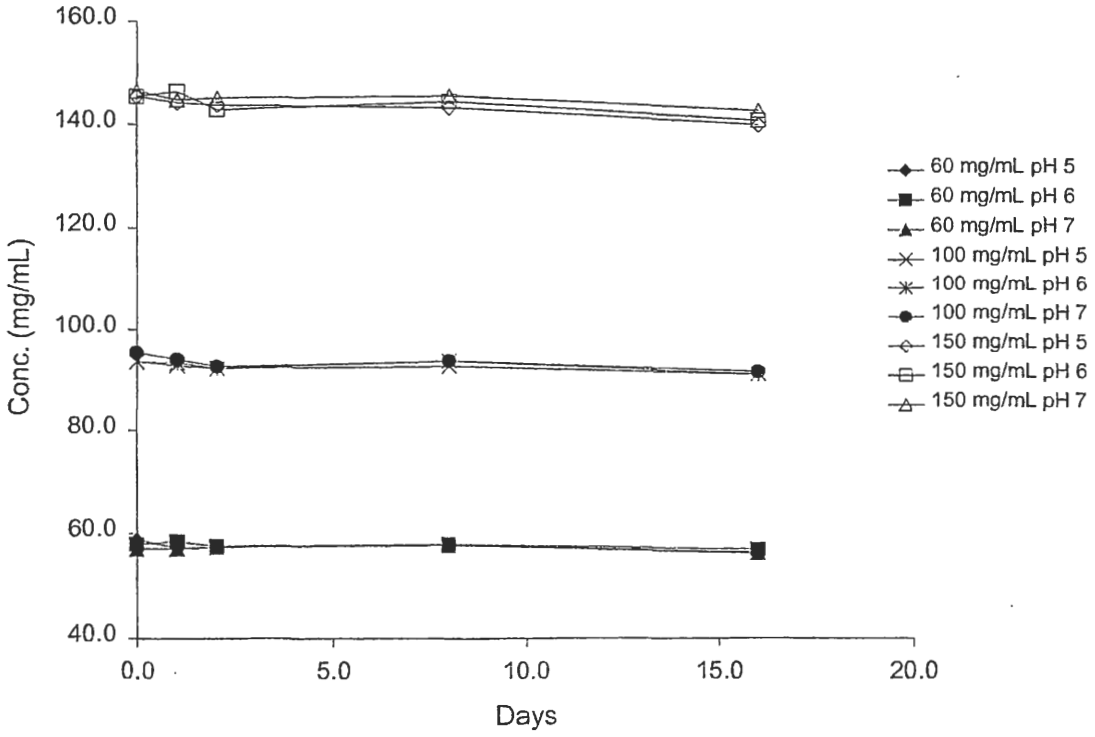

160.0
140.0
120.0
100.0
80.0
60.0
40.0
Conc. (mg/mL)
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5
150 mg/mL pH 6
150 mg/mL pH 7

FIG. 2

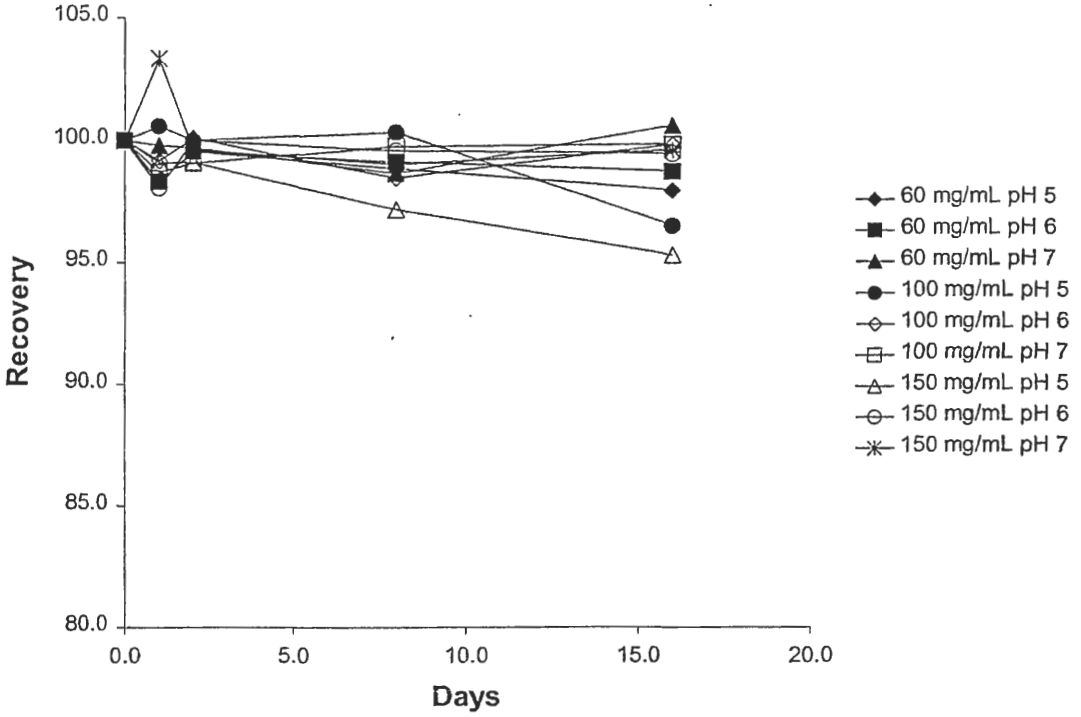

105.0
100.0
95.0
90.0
85.0
80.0
Recovery
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5
150 mg/mL pH 6
150 mg/mL pH 7

FIG. 3

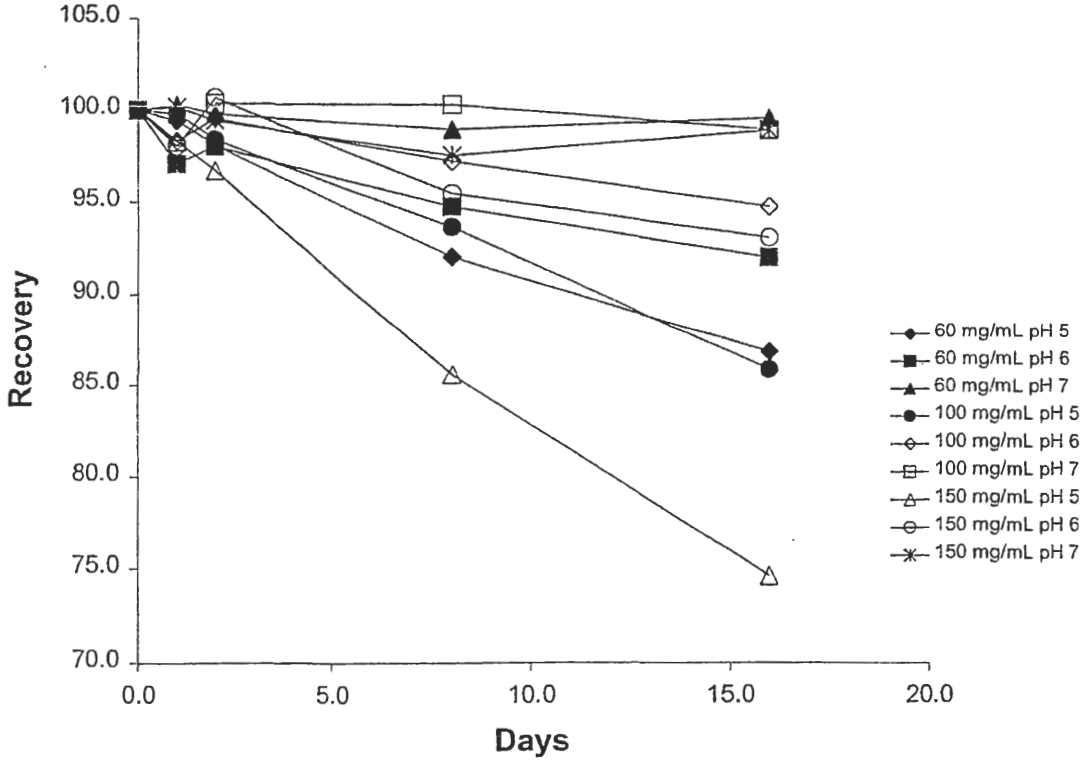

105.0
100.0
95.0
90.0
85.0
80.0
75.0
70.0
Recovery
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5
150 mg/mL pH 6
150 mg/mL pH 7

FIG. 4

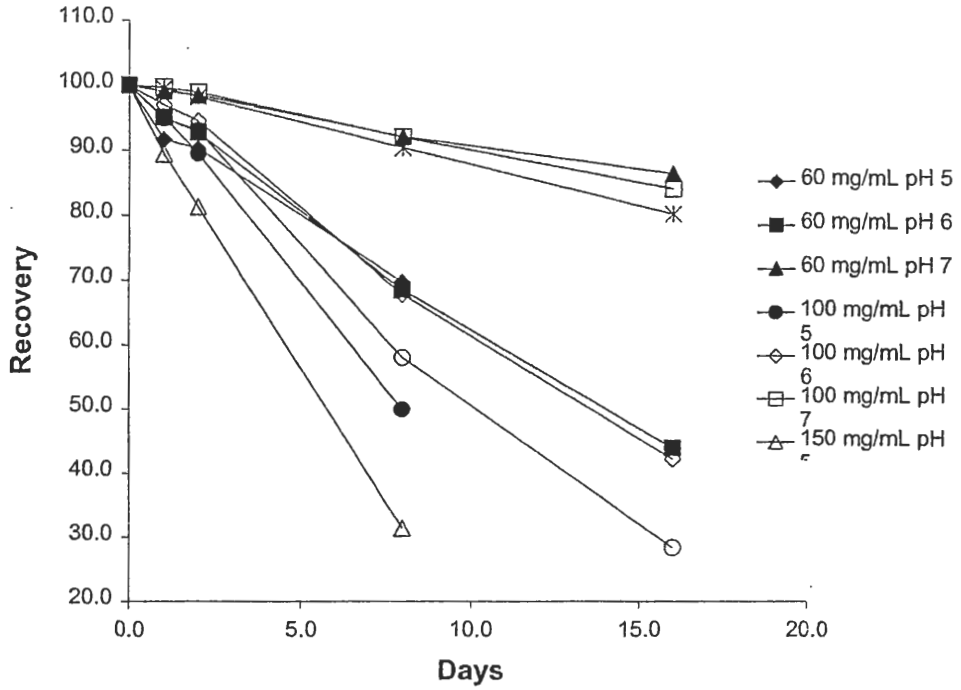

110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
Recovery
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5

FIG. 5

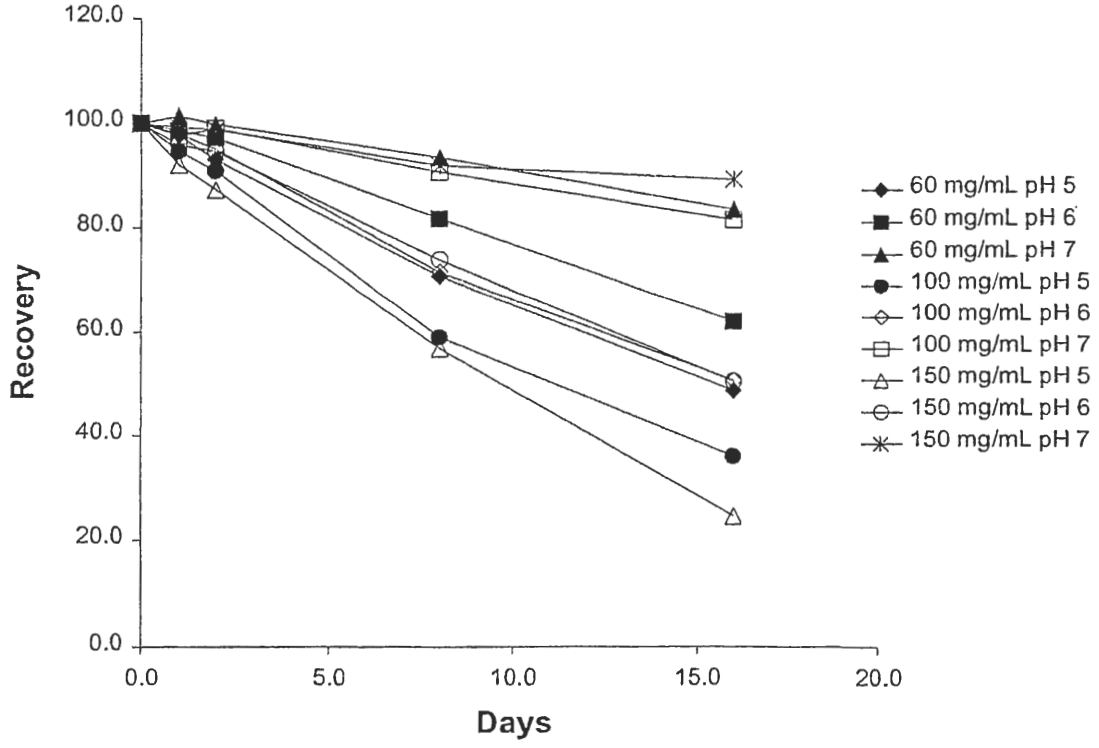

120.0
100.0
80.0
60.0
40.0
20.0
0.0
Recovery
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5
150 mg/mL pH 6
150 mg/mL pH 7

FIG. 6

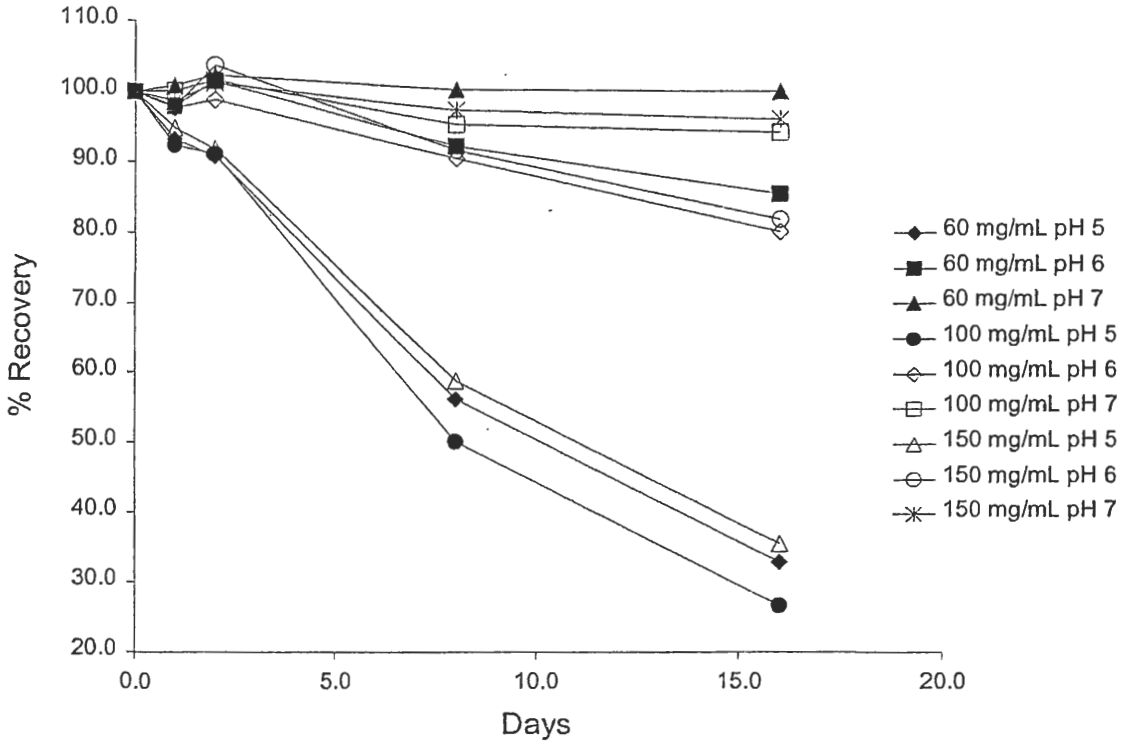

110.0
100.0
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
% Recovery
0.0
5.0
10.0
15.0
20.0
Days
60 mg/mL pH 5
60 mg/mL pH 6
60 mg/mL pH 7
100 mg/mL pH 5
100 mg/mL pH 6
100 mg/mL pH 7
150 mg/mL pH 5
150 mg/mL pH 6
150 mg/mL pH 7

FIG. 7

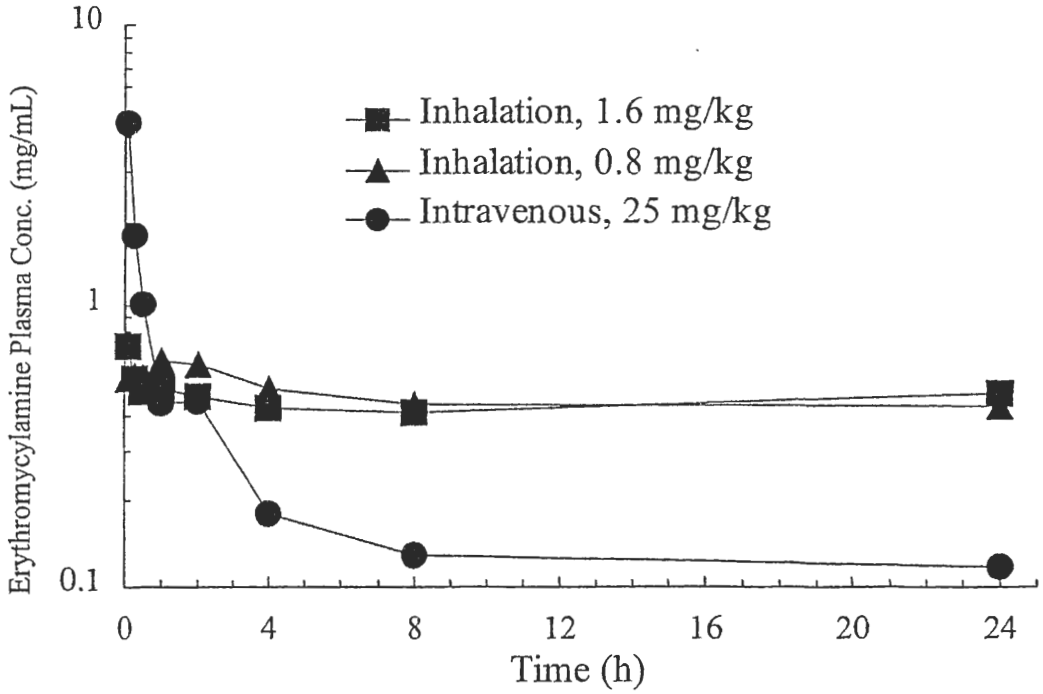

10
1
0.1
Erythromycylamine Plasma Conc. (mg/mL)
Inhalation, 1.6 mg/kg
Inhalation, 0.8 mg/kg
Intravenous, 25 mg/kg
0
4
8
12
16
20
24
Time (h)

FIG. 8

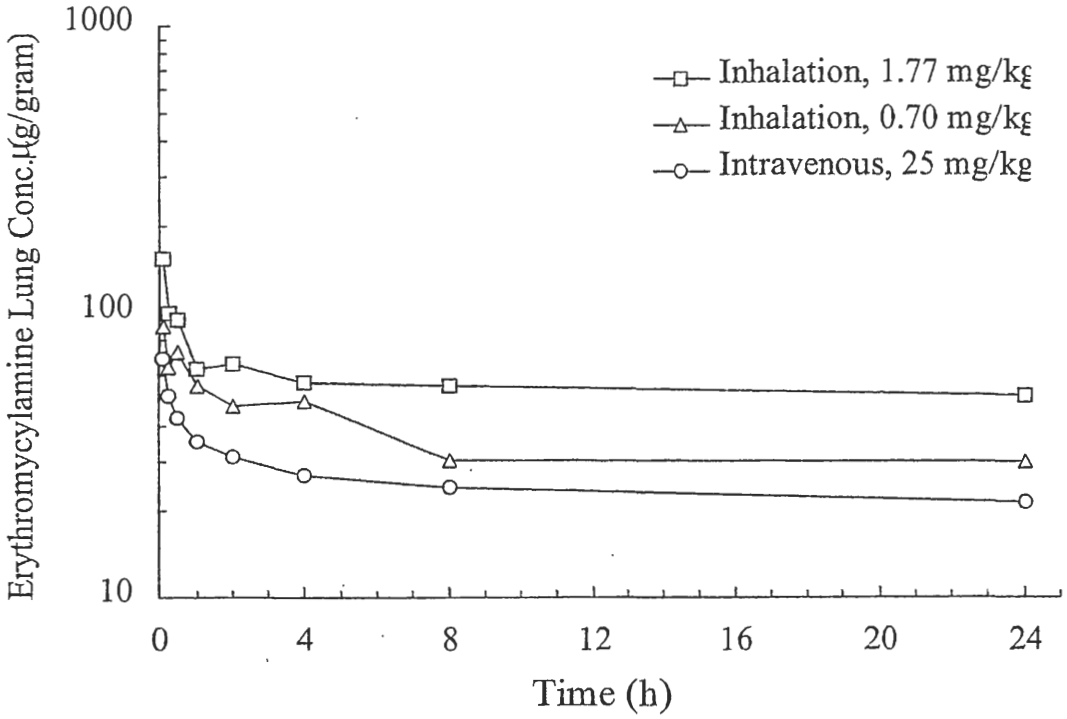

1000
100
10
Erythromycylamine Lung Conc.μg/gram)
Inhalation, 1.77 mg/kg
Inhalation, 0.70 mg/kg
Intravenous, 25 mg/kg
0
4
8
12
16
20
24
Time (h)

FIG. 9

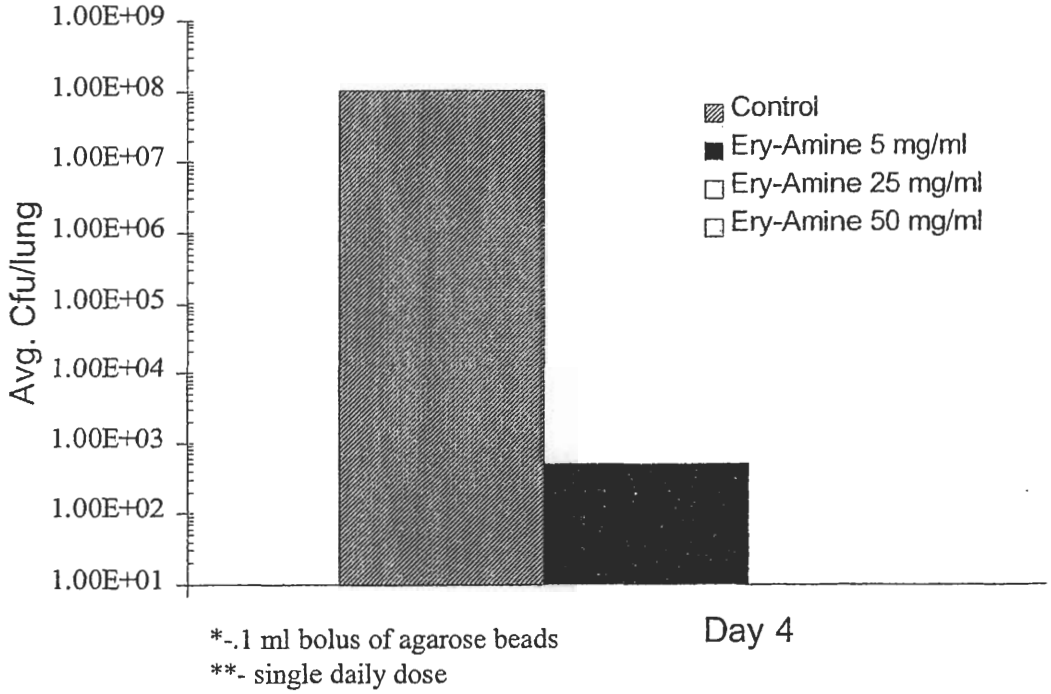

1.00E+09
1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
Avg. Cfu/lung
Control
Ery-Amine 5 mg/ml
Ery-Amine 25 mg/ml
Ery-Amine 50 mg/ml
Day 4
*-.1 ml bolus of agarose beads
**- single daily dose

FIG. 10

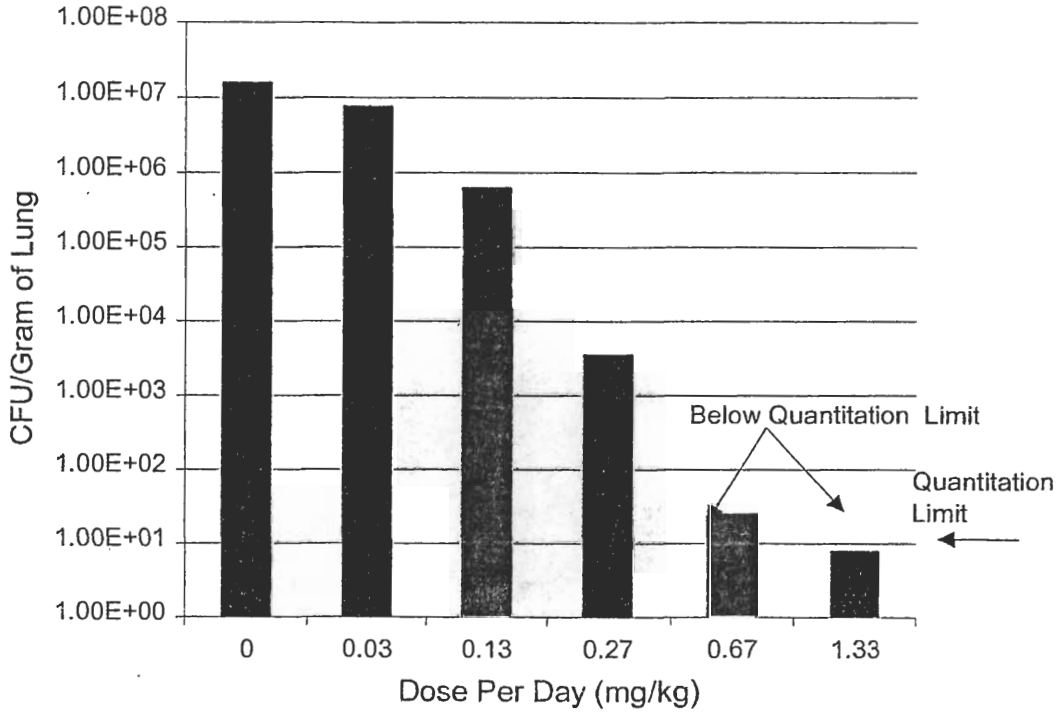

1.00E+08
1.00E+07
1.00E+06
1.00E+05
1.00E+04
1.00E+03
1.00E+02
1.00E+01
1.00E+00
CFU/Gram of Lung
Below Quantitation Limit
Quantitation Limit
0
0.03
0.13
0.27
0.67
1.33
Dose Per Day (mg/kg)

FIG. 11

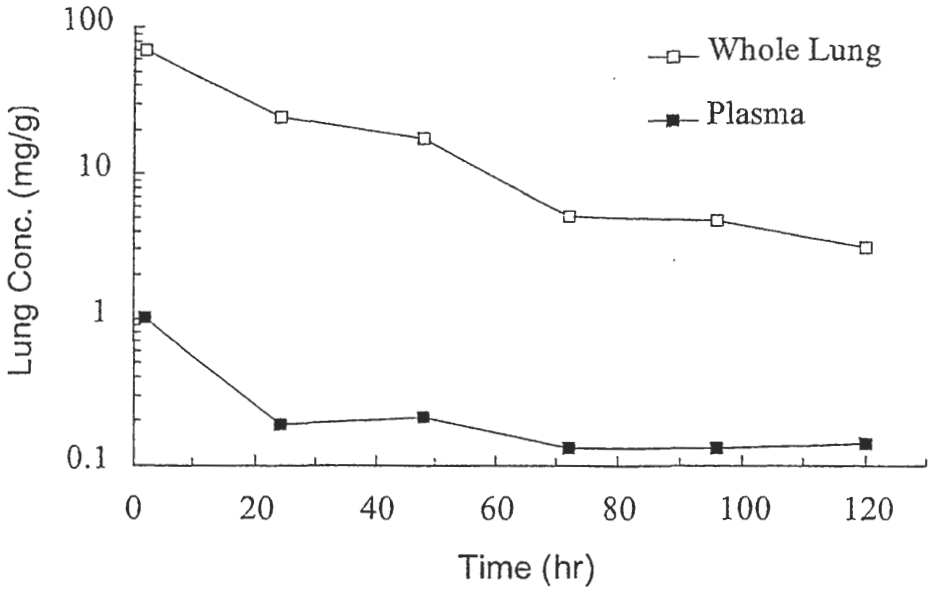

100
10
1
0.1
Lung Conc. (mg/g)
Whole Lung
Plasma
0
20
40
60
80
100
120
Time (hr)

FIG. 12

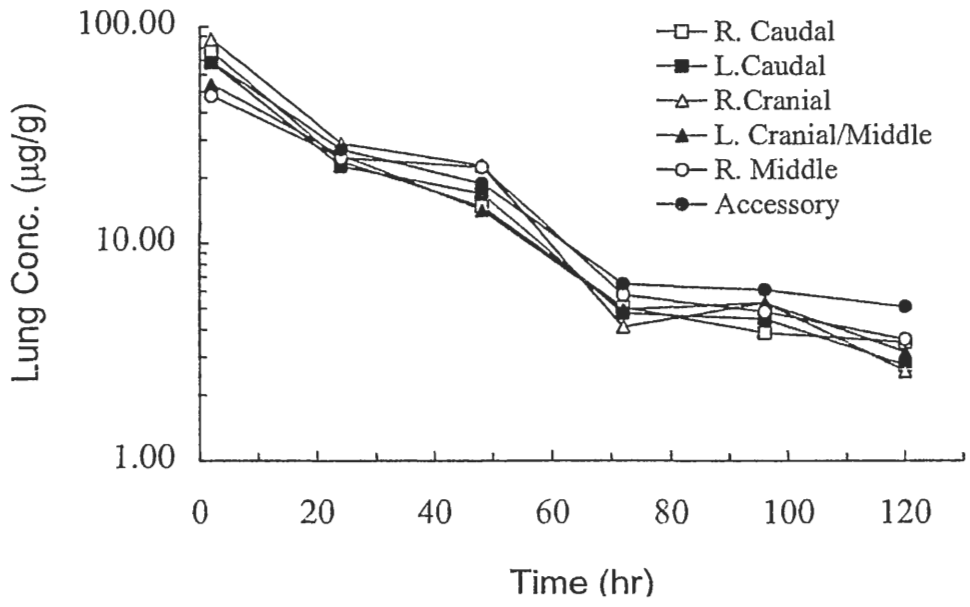

100.00
10.00
1.00
Lung Conc. (µg/g)
0
20
40
60
80
100
120
Time (hr)
R. Caudal
L.Caudal
R.Cranial
L. Cranial/Middle
R. Middle
Accessory

FIG. 13