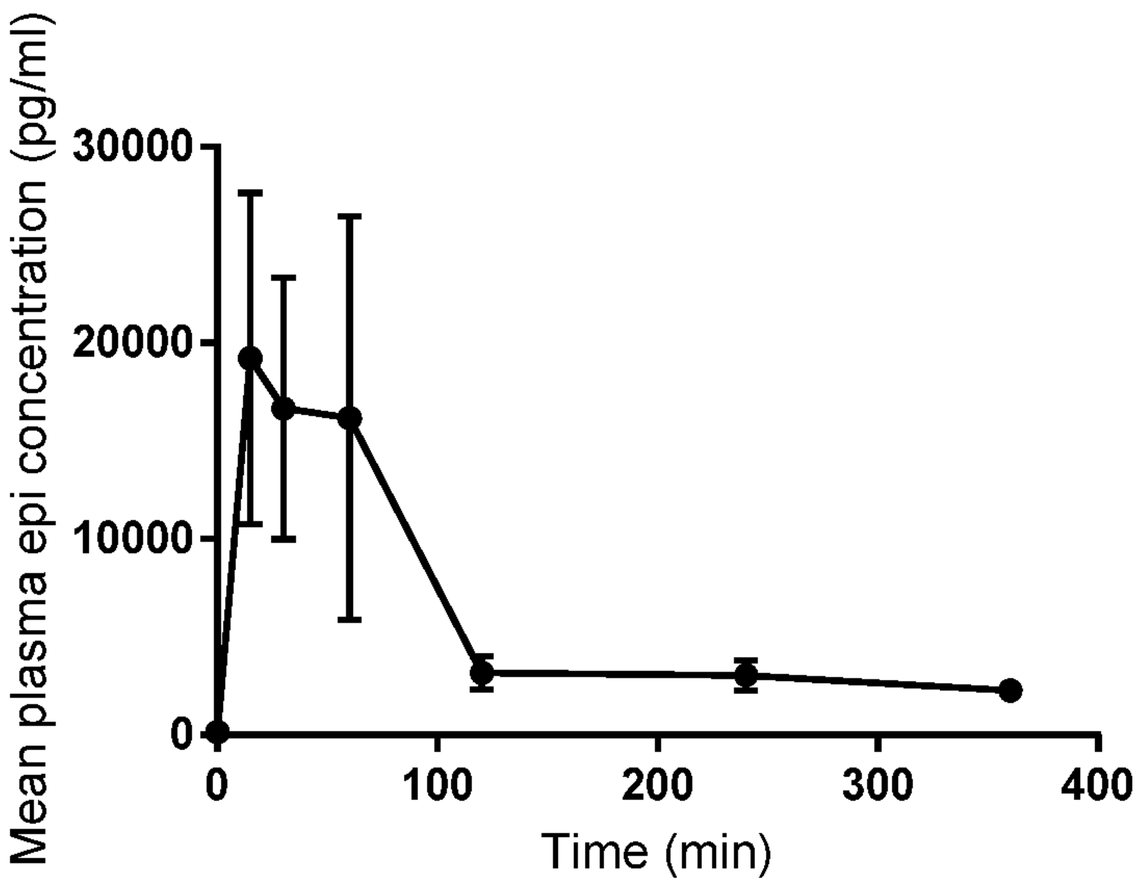

Mean plasma epi concentration (pg/ml)
30000
20000
10000
0
0
100
200
300
400
Time (min)

FIG. 1

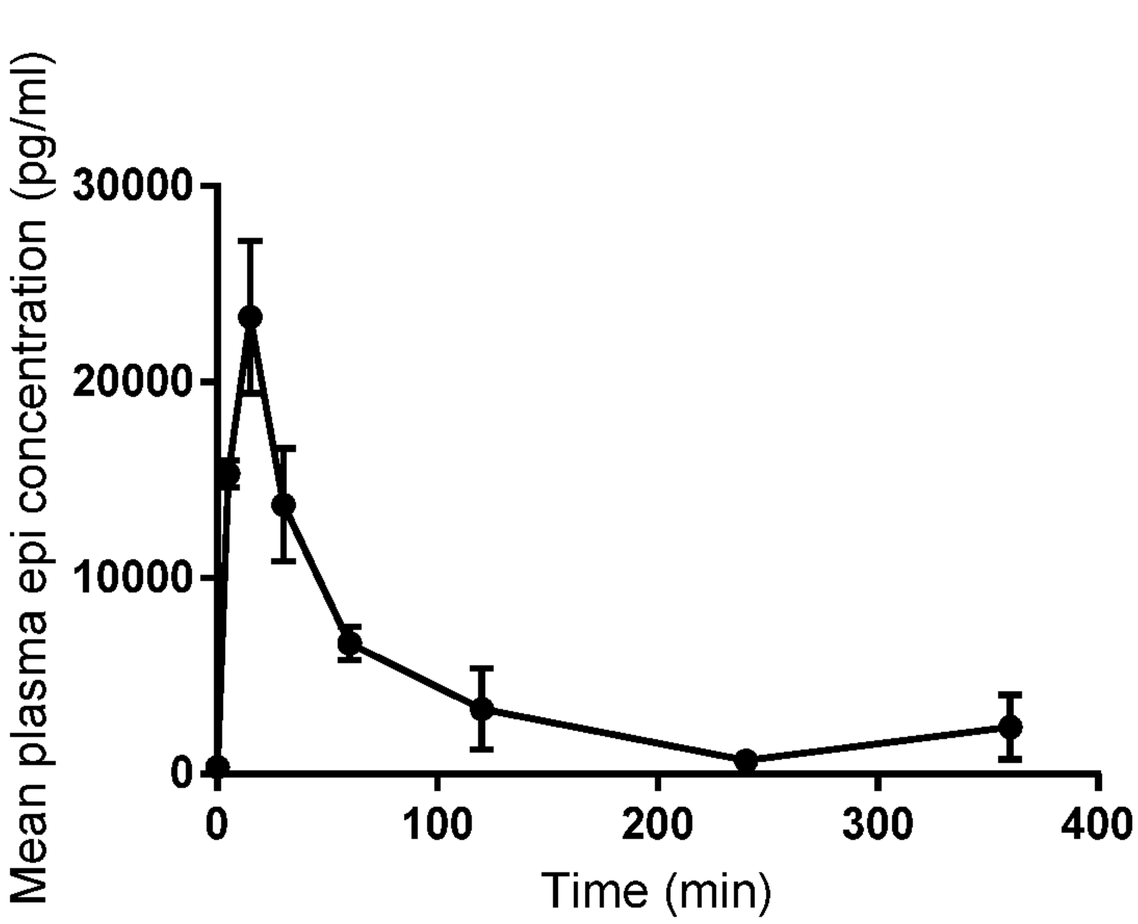

Mean plasma epi concentration (pg/ml)
30000
20000
10000
0
0
100
200
300
400
Time (min)

FIG. 2

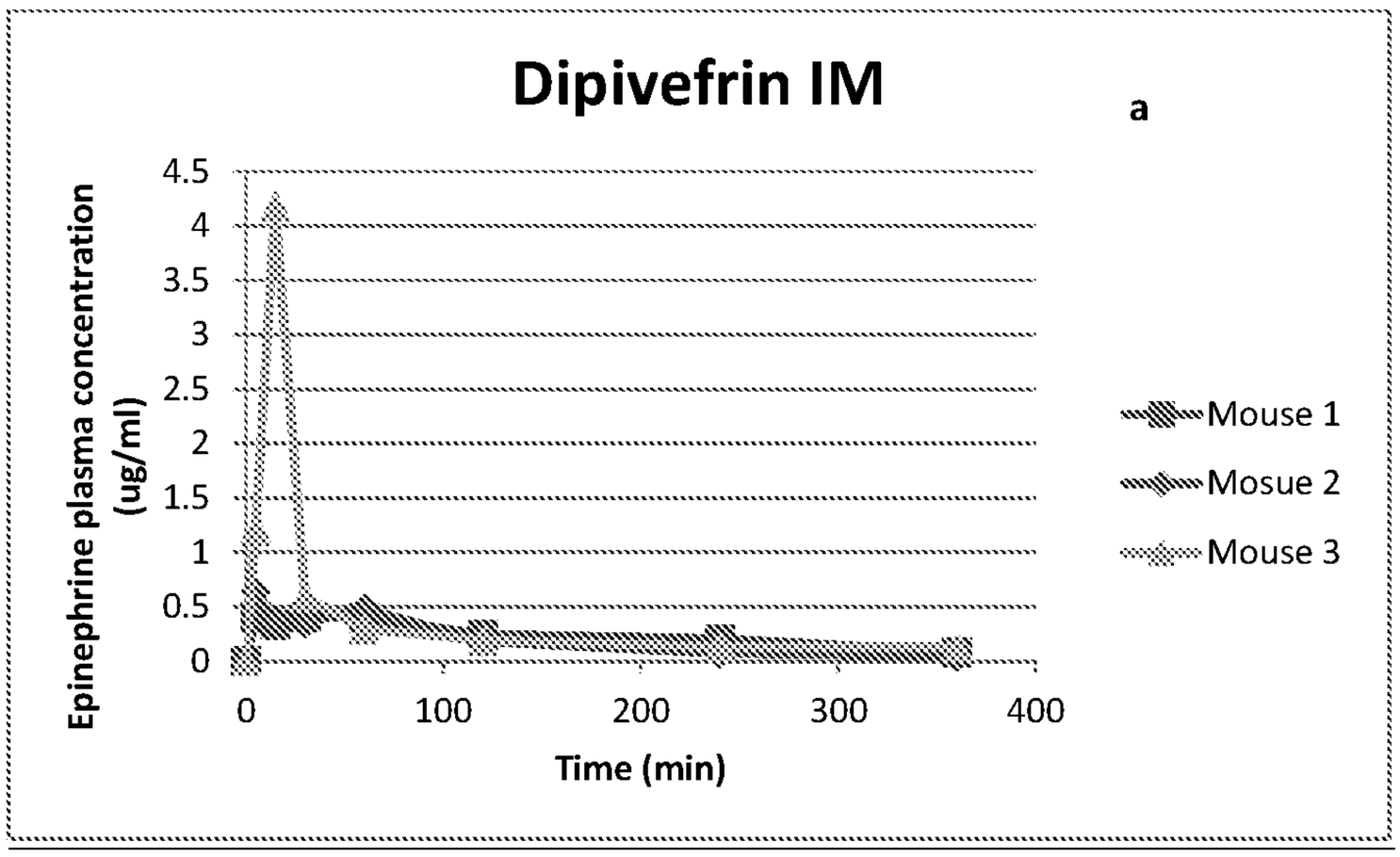

Dipivefrin IM
a
Epinephrine plasma concentration (ug/ml)
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
100
200
300
400
Time (min)
Mouse 1
Mosue 2
Mouse 3

FIG. 3A

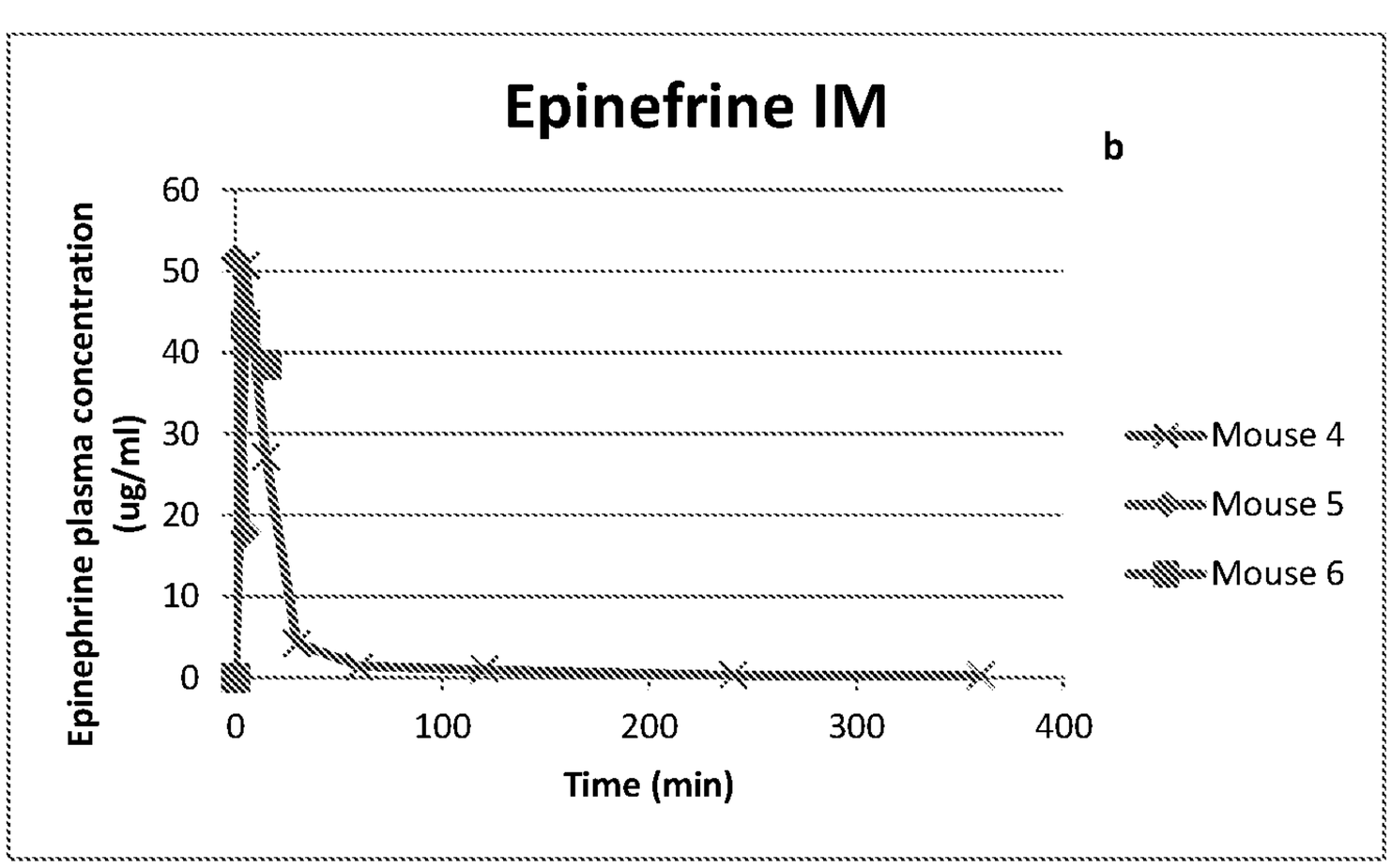

Epinefrine IM
b
Epinephrine plasma concentration (ug/ml)
60
50
40
30
20
10
0
0
100
200
300
400
Time (min)
Mouse 4
Mouse 5
Mouse 6

FIG. 3B

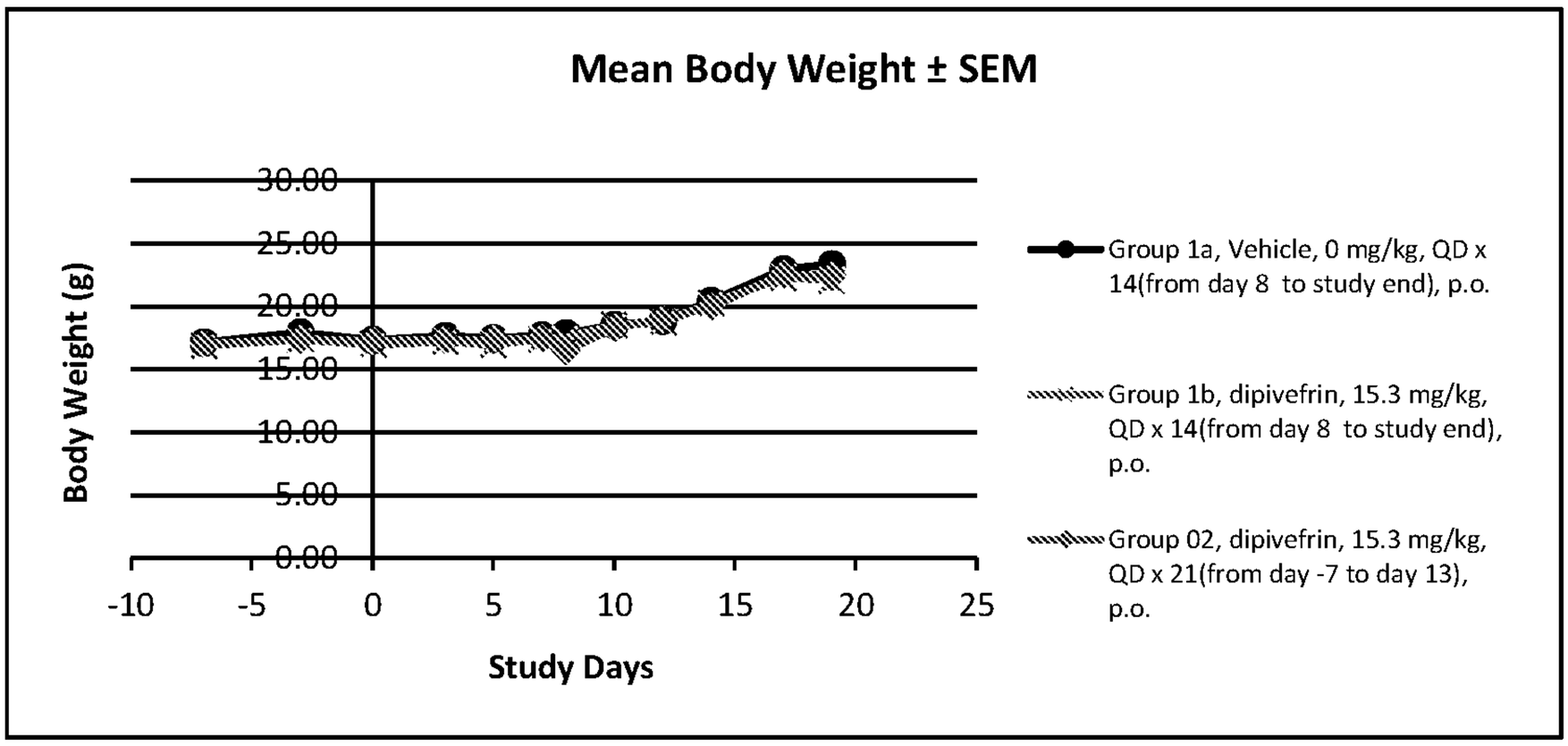

Mean Body Weight ± SEM
Body Weight (g)
30.00
25.00
20.00
15.00
10.00
5.00
0.00
-10
-5
0
5
10
15
20
25
Study Days
Group 1a, Vehicle, 0 mg/kg, QD x 14(from day 8 to study end), p.o.
Group 1b, dipivefrin, 15.3 mg/kg, QD x 14(from day 8 to study end), p.o.
Group 02, dipivefrin, 15.3 mg/kg, QD x 21(from day -7 to day 13), p.o.

FIG. 4

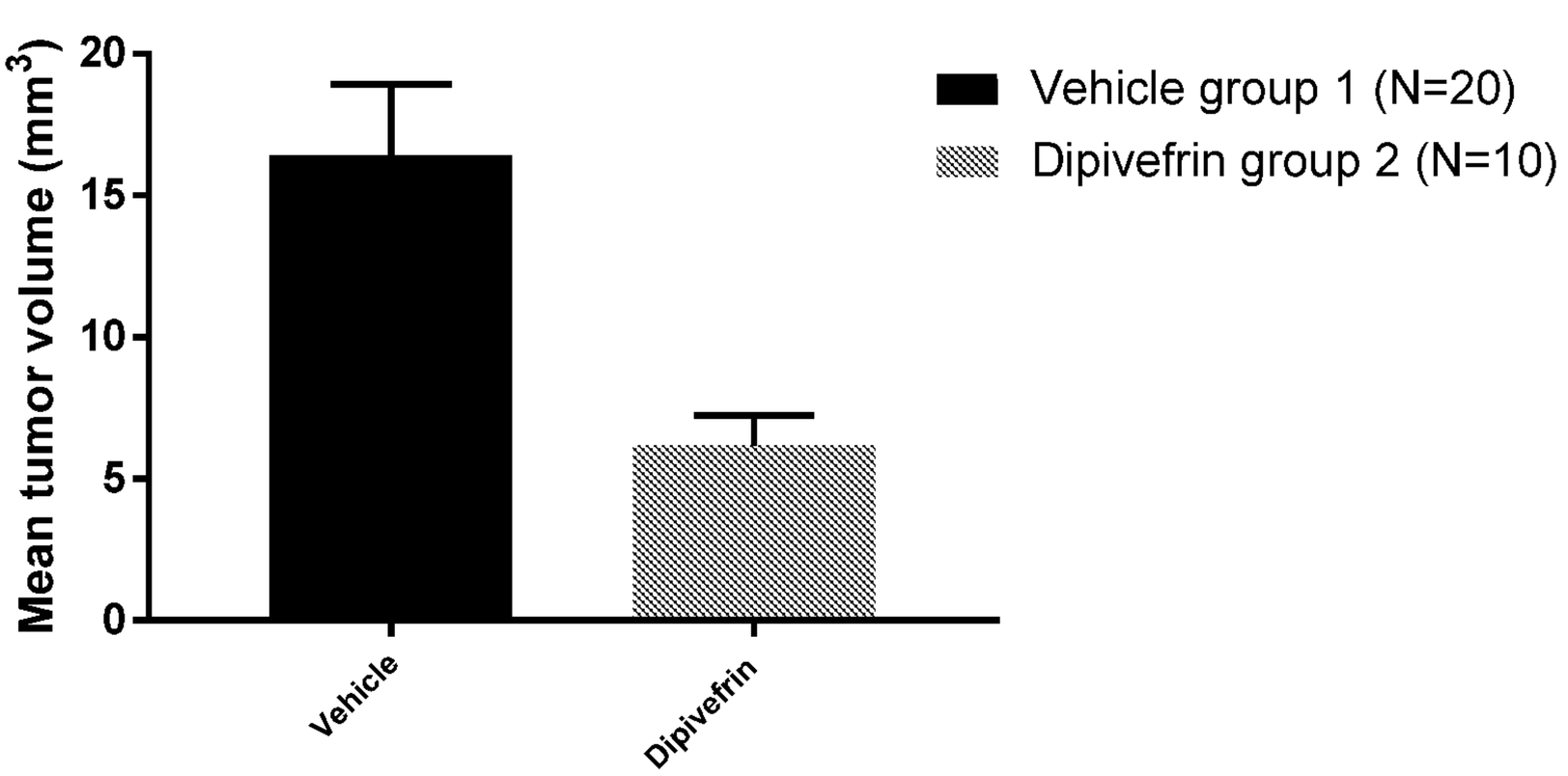

Mean tumor volume (mm3)
20
15
10
5
0
Vehicle
Dipivefrin
Vehicle group 1 (N=20)
Dipivefrin group 2 (N=10)

FIG. 5

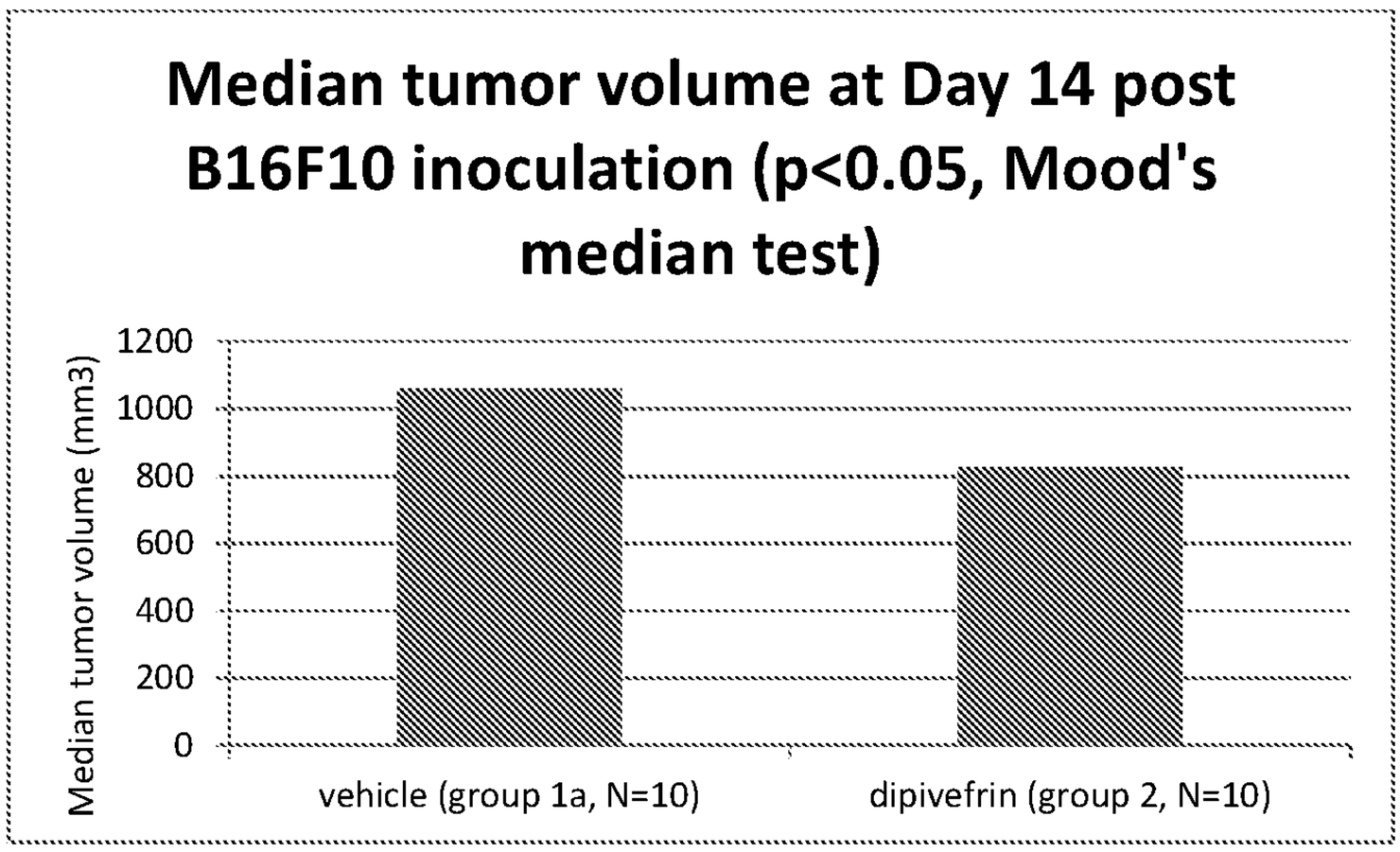

Median tumor volume at Day 14 post B16F10 inoculation (p<0.05, Mood's median test)
Median tumor volume (mm3)
1200
1000
800
600
400
200
0
vehicle (group 1a, N=10)
dipivefrin (group 2, N=10)

FIG. 6

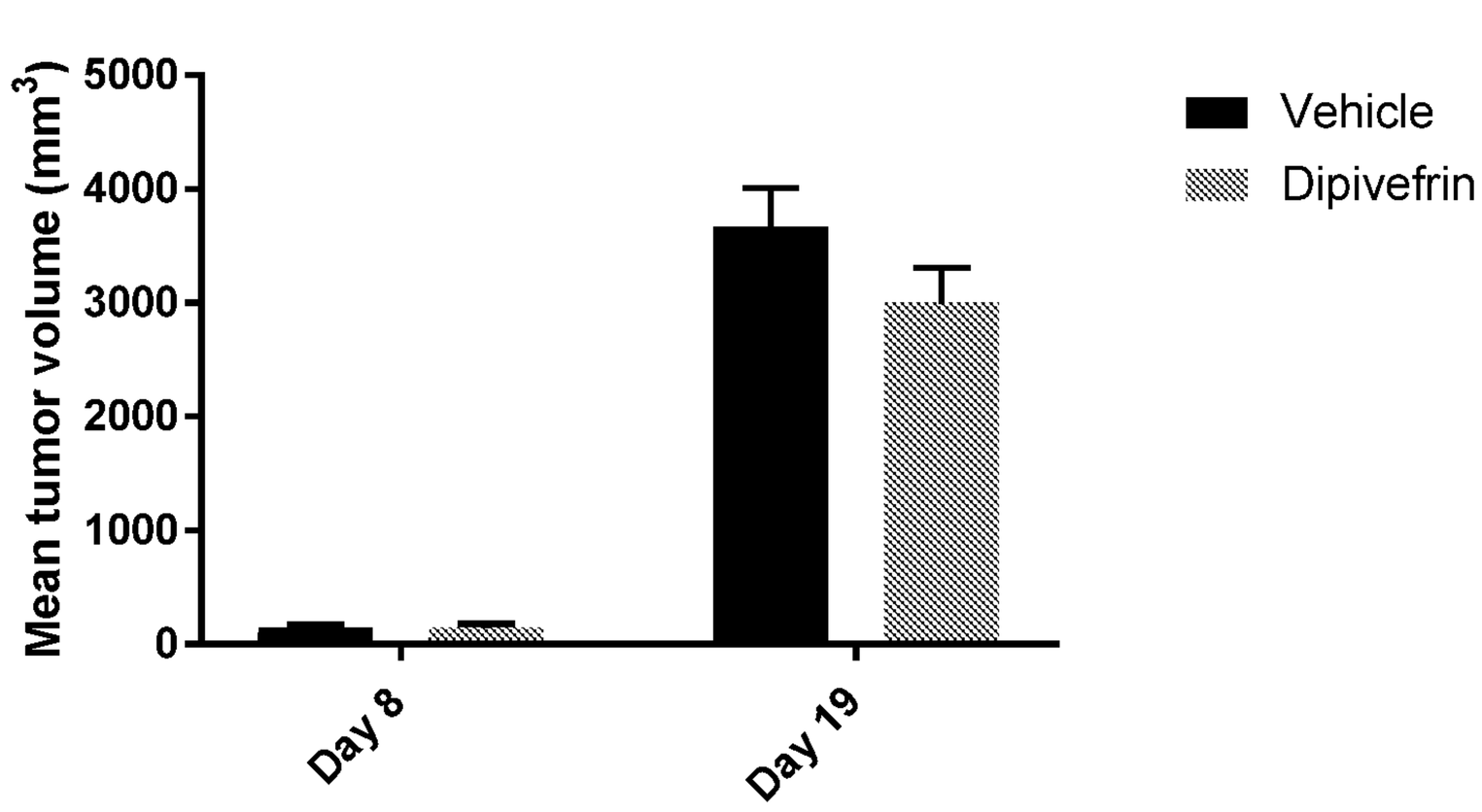

Mean tumor volume (mm3)
5000
4000
3000
2000
1000
0
Vehicle
Dipivefrin
Day 8
Day 19
Days post tumor inoculation (drug dosing started on Day 8)

FIG. 7

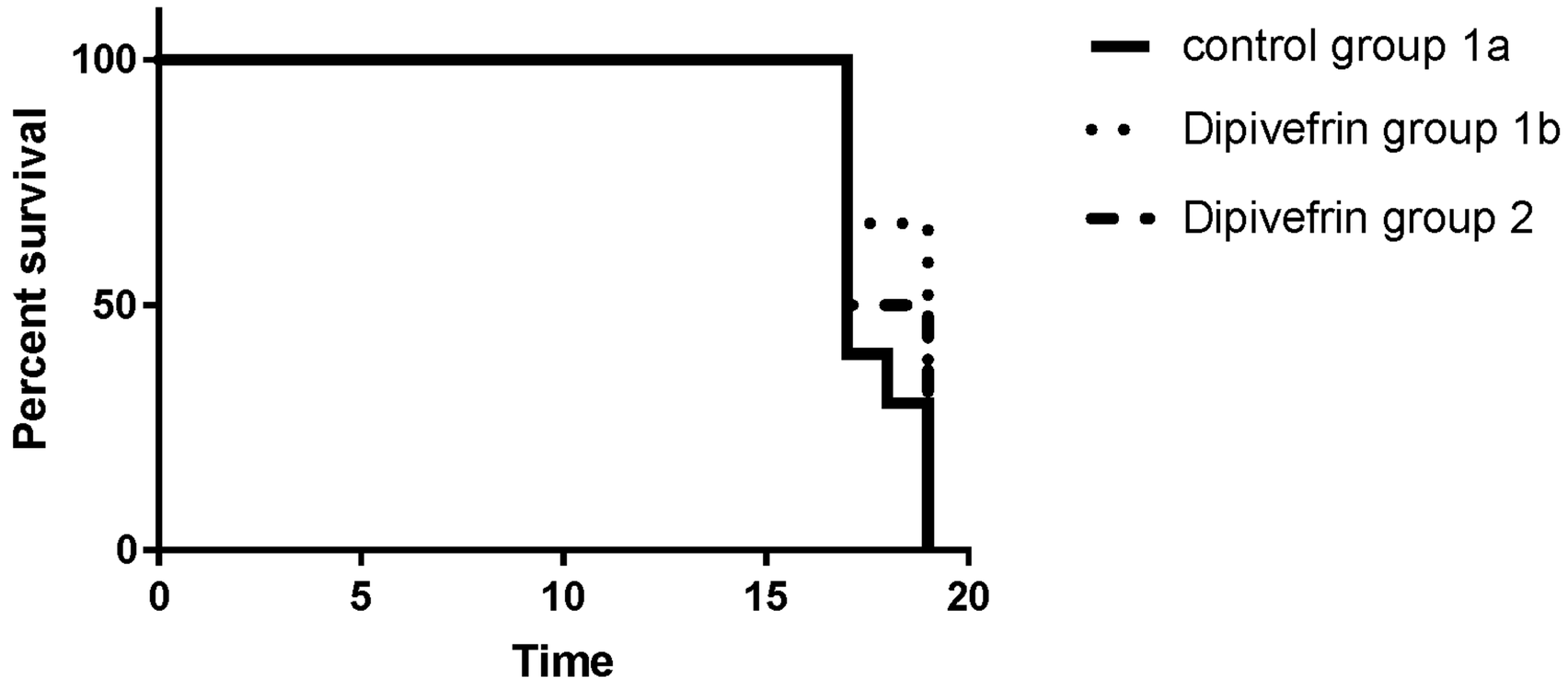
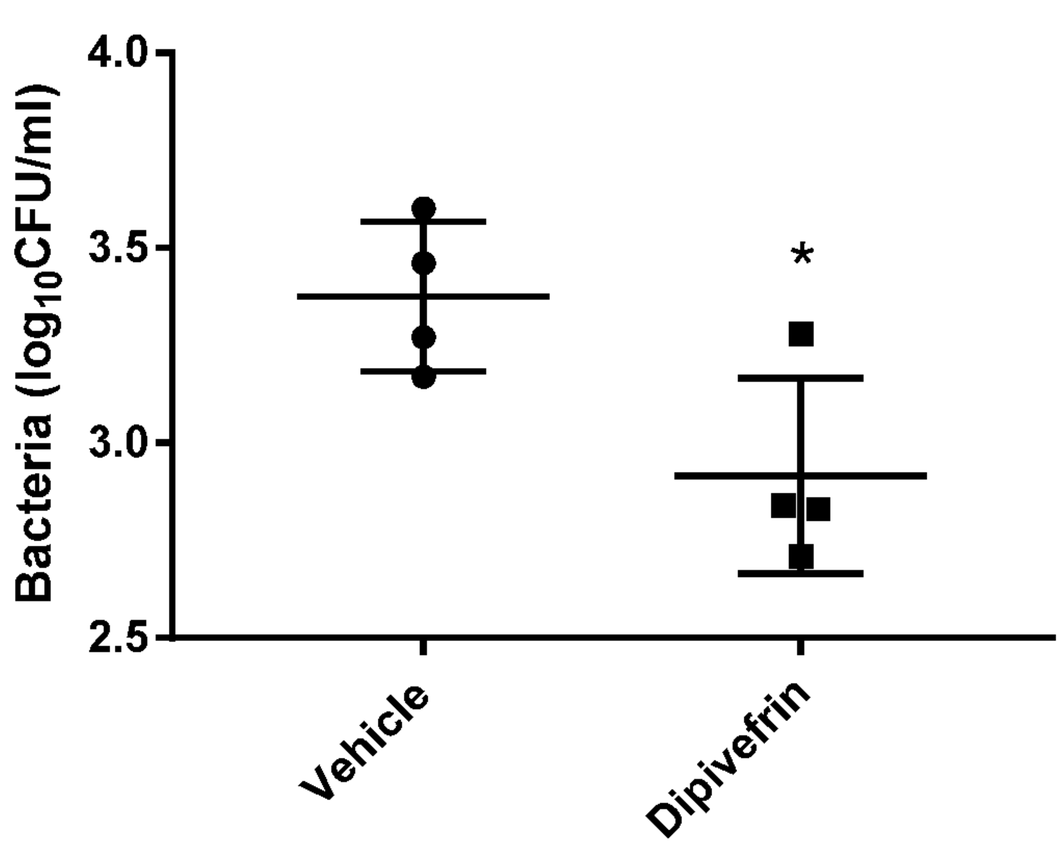


FIG. 8



Bacterial counts in blood 4 hours post infection ($p < 0.05$, 2-tailed, unpaired t-test)

FIG. 9

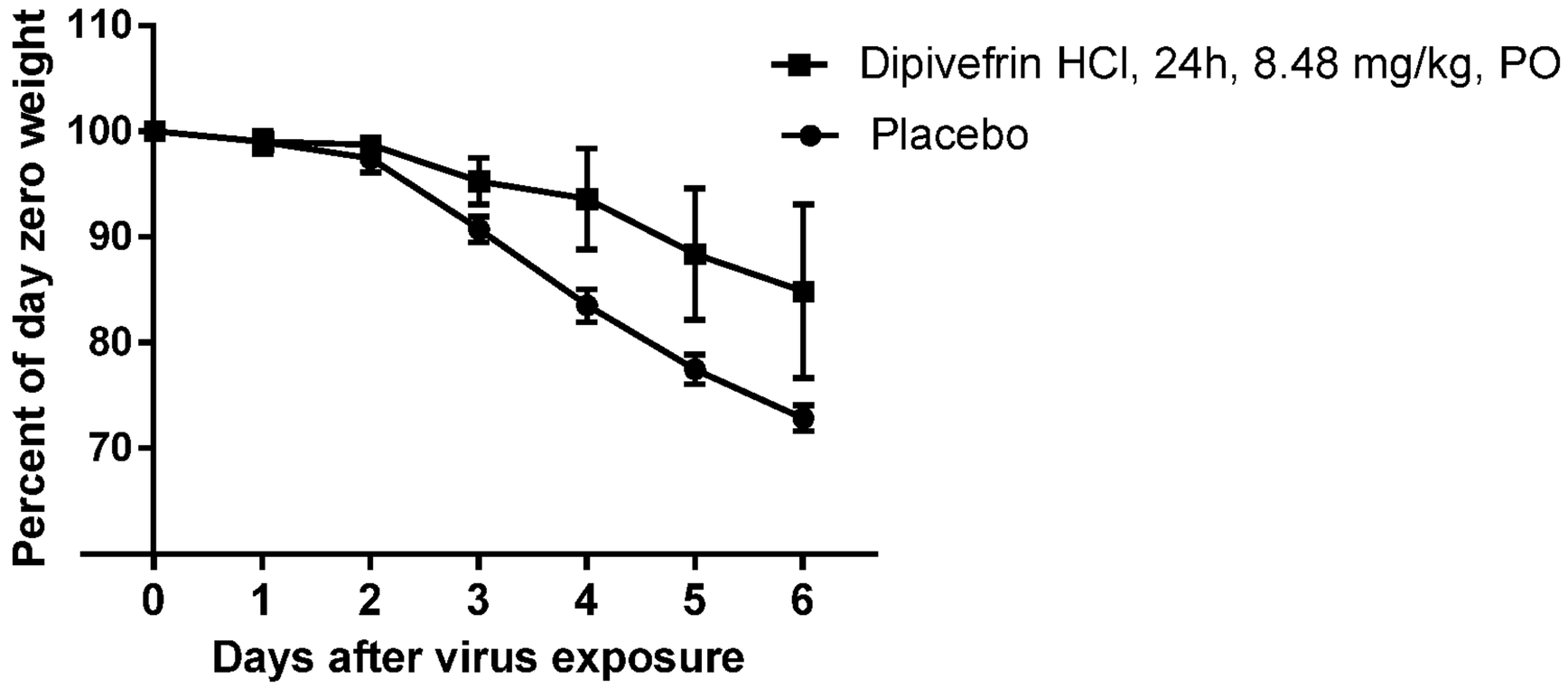

Dipivefrin HCl, 24h, 8.48 mg/kg, PO
Placebo
Percent of day zero weight
110
100
90
80
70
0
1
2
3
4
5
6
Days after virus exposure

FIG. 10

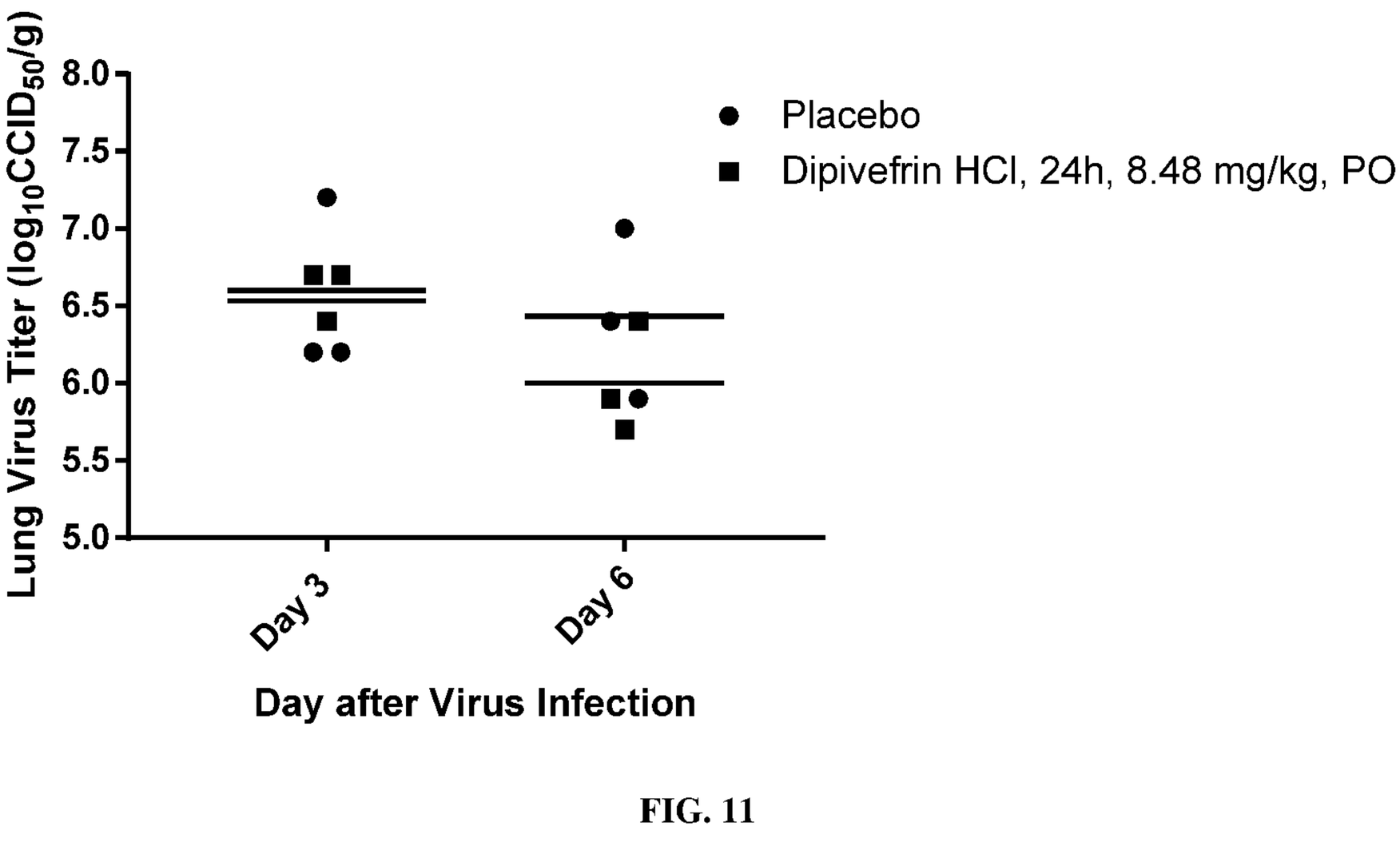

Placebo
Dipivefrin HCl, 24h, 8.48 mg/kg, PO
Lung Virus Titer (log10CCID50/g)
8.0
7.5
7.0
6.5
6.0
5.5
5.0
Day 3
Day 6
Day after Virus Infection

FIG. 11

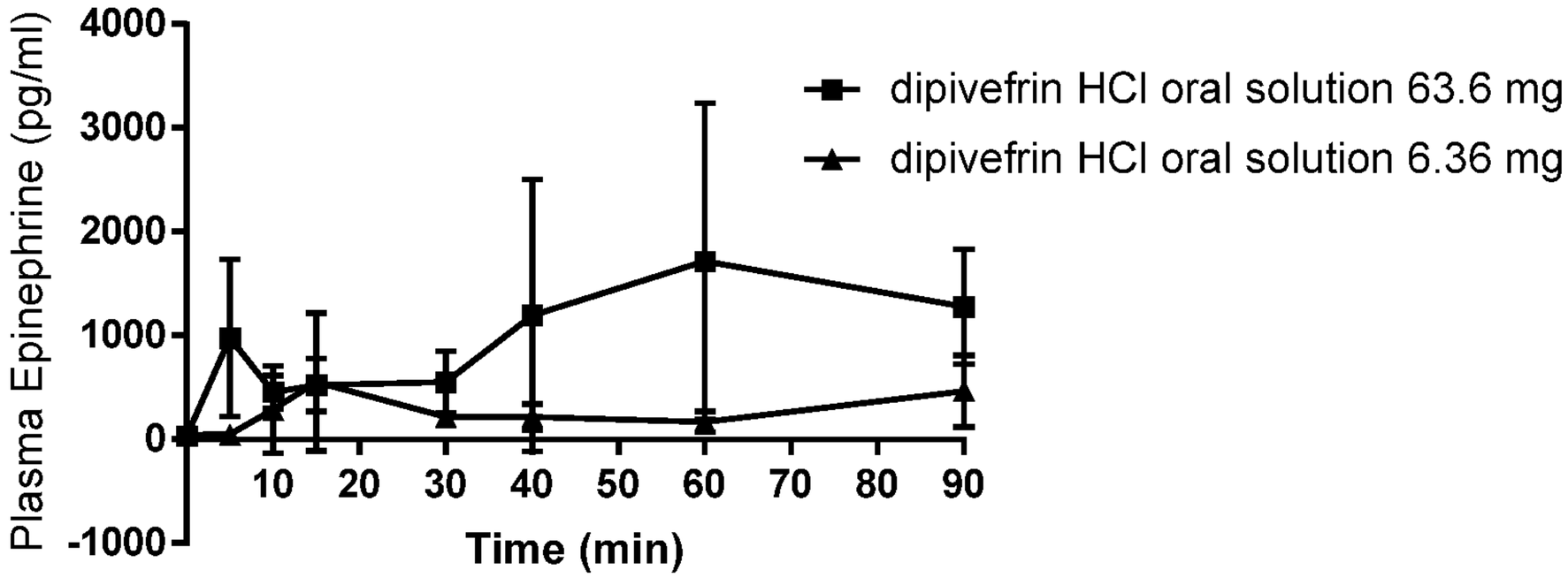

dipivefrin HCl oral solution 63.6 mg
dipivefrin HCl oral solution 6.36 mg
Plasma Epinephrine (pg/ml)
4000
3000
2000
1000
0
-1000
10
20
30
40
50
60
70
80
90
Time (min)

FIG. 12

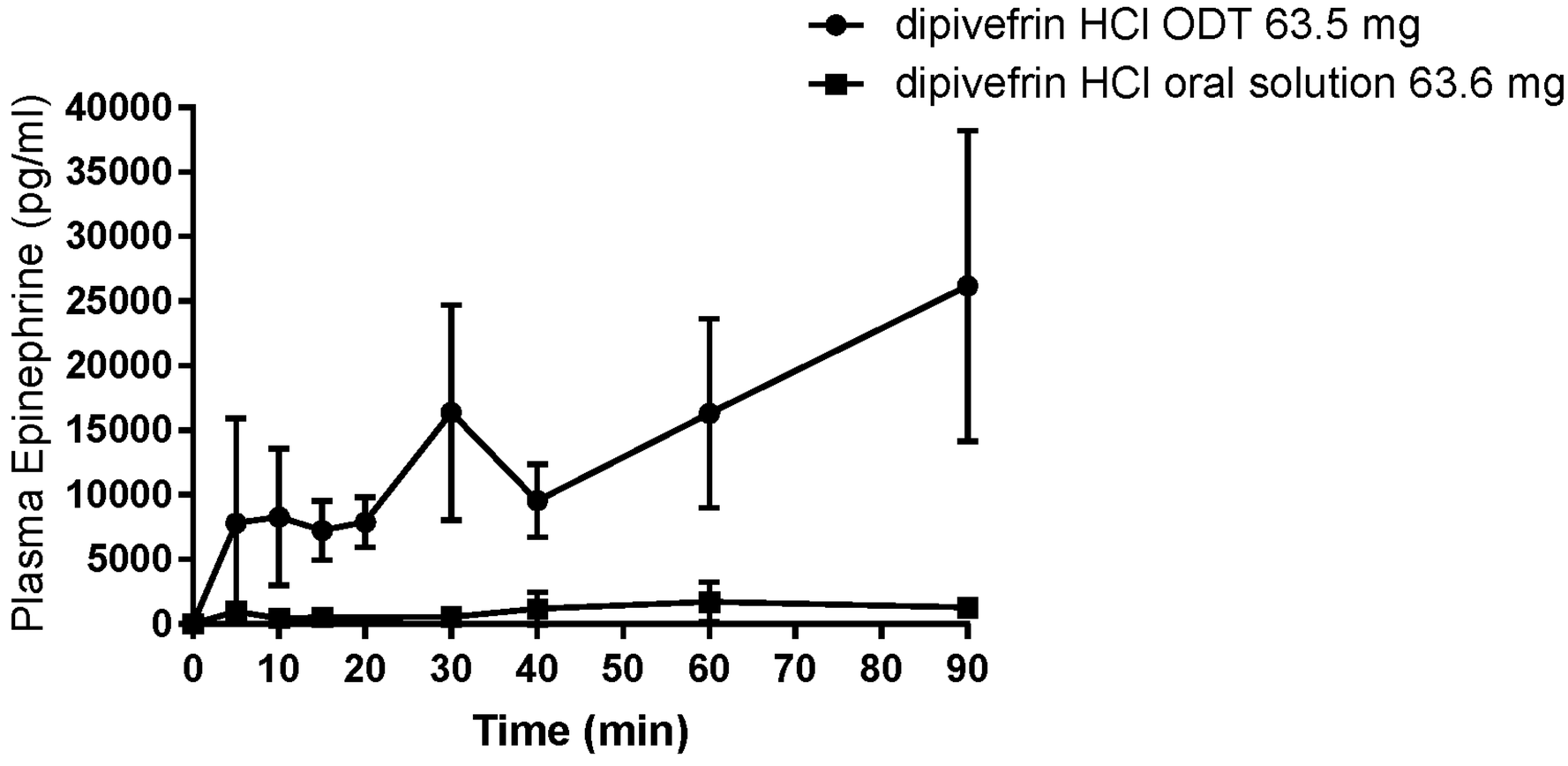

dipivefrin HCl ODT 63.5 mg
dipivefrin HCl oral solution 63.6 mg
Plasma Epinephrine (pg/ml)
40000
35000
30000
25000
20000
15000
10000
5000
0
0
10
20
30
40
50
60
70
80
90
Time (min)

FIG. 13

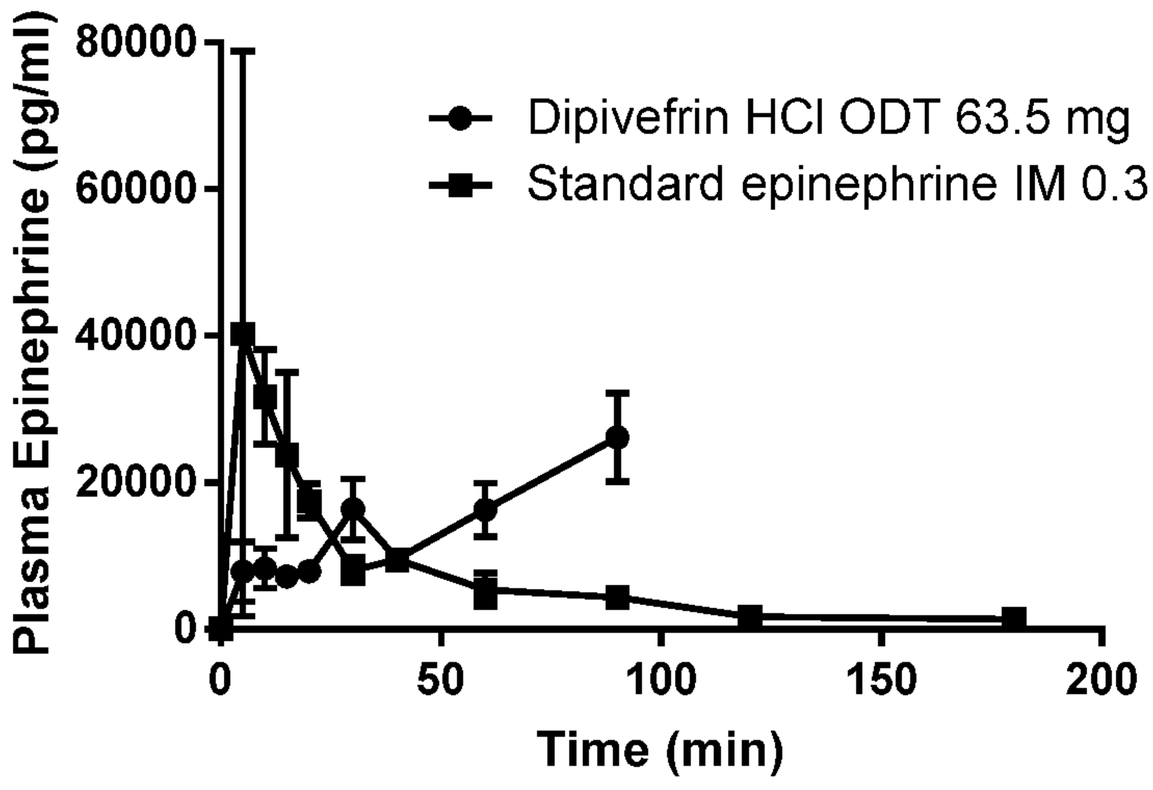

Plasma Epinephrine (pg/ml)
80000
60000
40000
20000
0
0
50
100
150
200
Time (min)
Dipivefrin HCl ODT 63.5 mg
Standard epinephrine IM 0.3 mg

FIG. 14

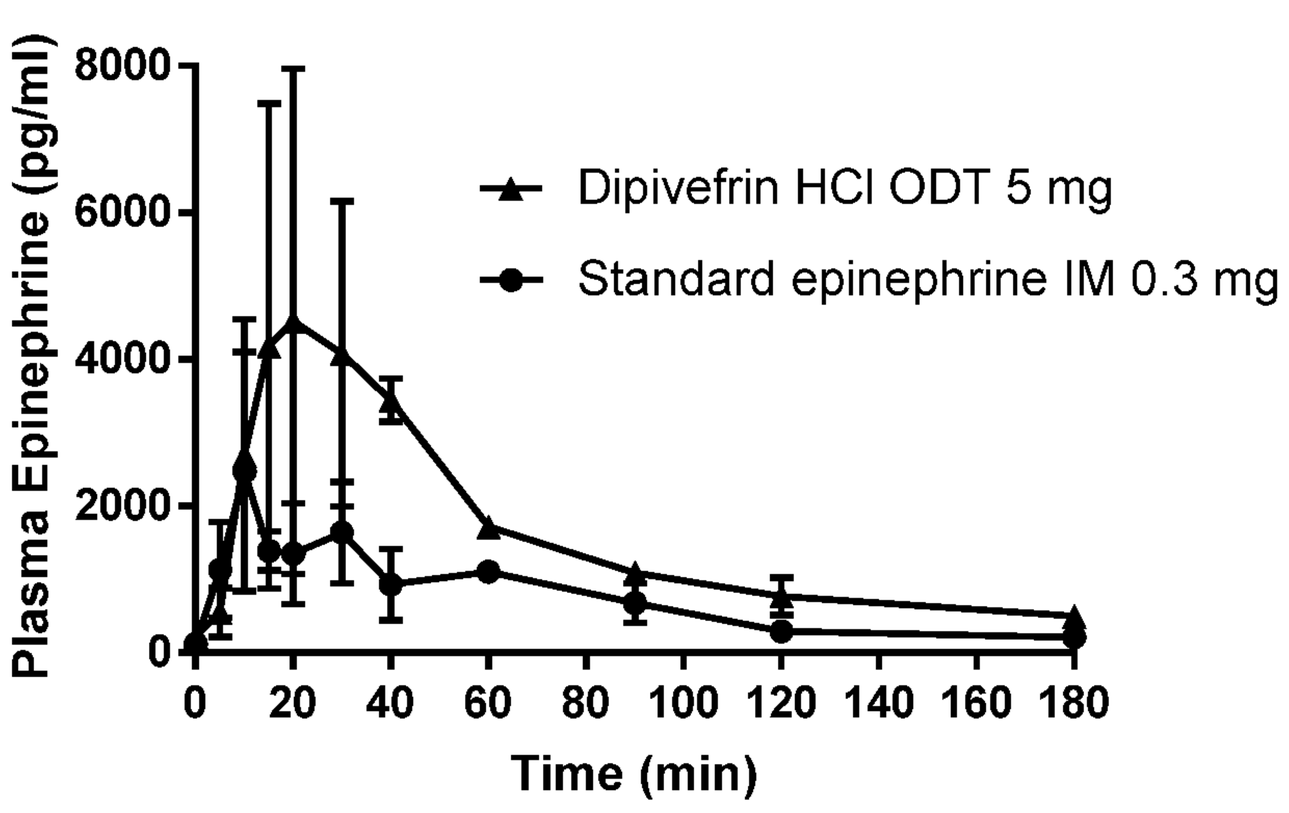

Plasma Epinephrine (pg/ml)
8000
6000
4000
2000
0
0
20
40
60
80
100
120
140
160
180
Time (min)
Dipivefrin HCl ODT 5 mg
Standard epinephrine IM 0.3 mg

FIG. 15

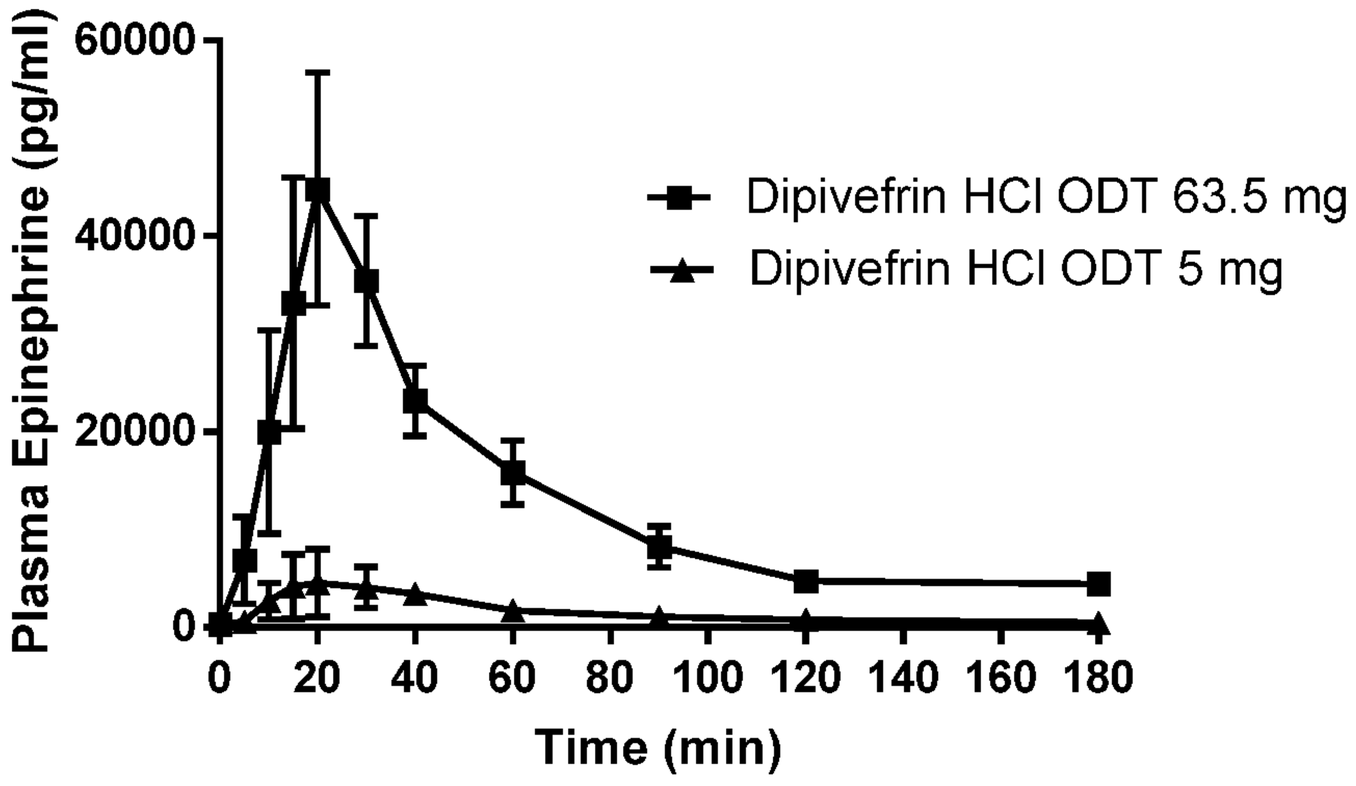

Plasma Epinephrine (pg/ml)
60000
40000
20000
0
0
20
40
60
80
100
120
140
160
180
Time (min)
Dipivefrin HCl ODT 63.5 mg
Dipivefrin HCl ODT 5 mg

FIG. 16