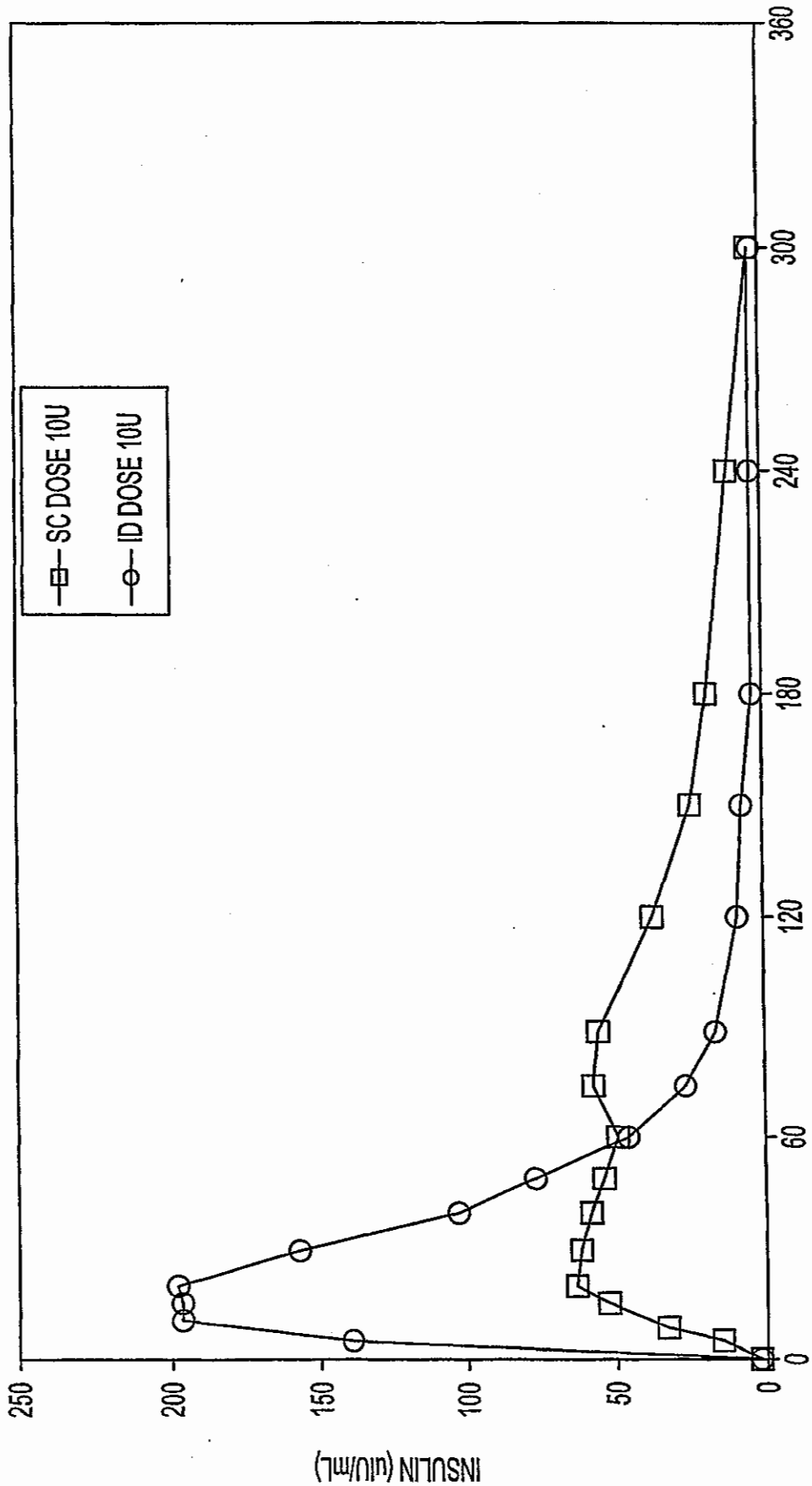

SC DOSE 10U
ID DOSE 10U
INSULIN (uIU/mL)
250
200
150
100
50
0
0
60
120
180
240
300
360
TIME (MIN)

FIG. 1

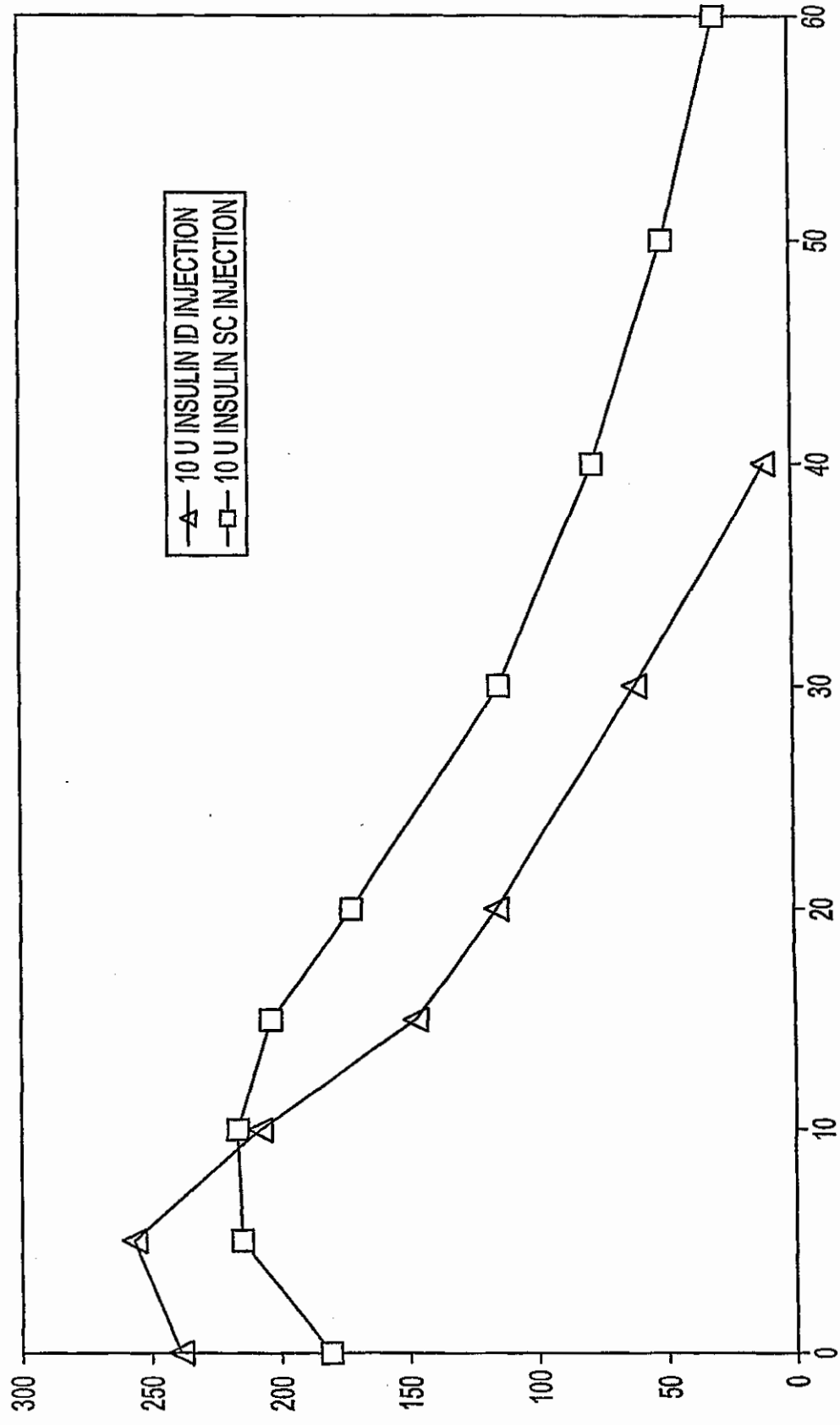

10 U INSULIN ID INJECTION
10 U INSULIN SC INJECTION
BLOOD GLUCOSE (mg/dL)
300
250
200
150
100
50
0
TIME (MIN)
0
10
20
30
40
50
60

FIG. 2

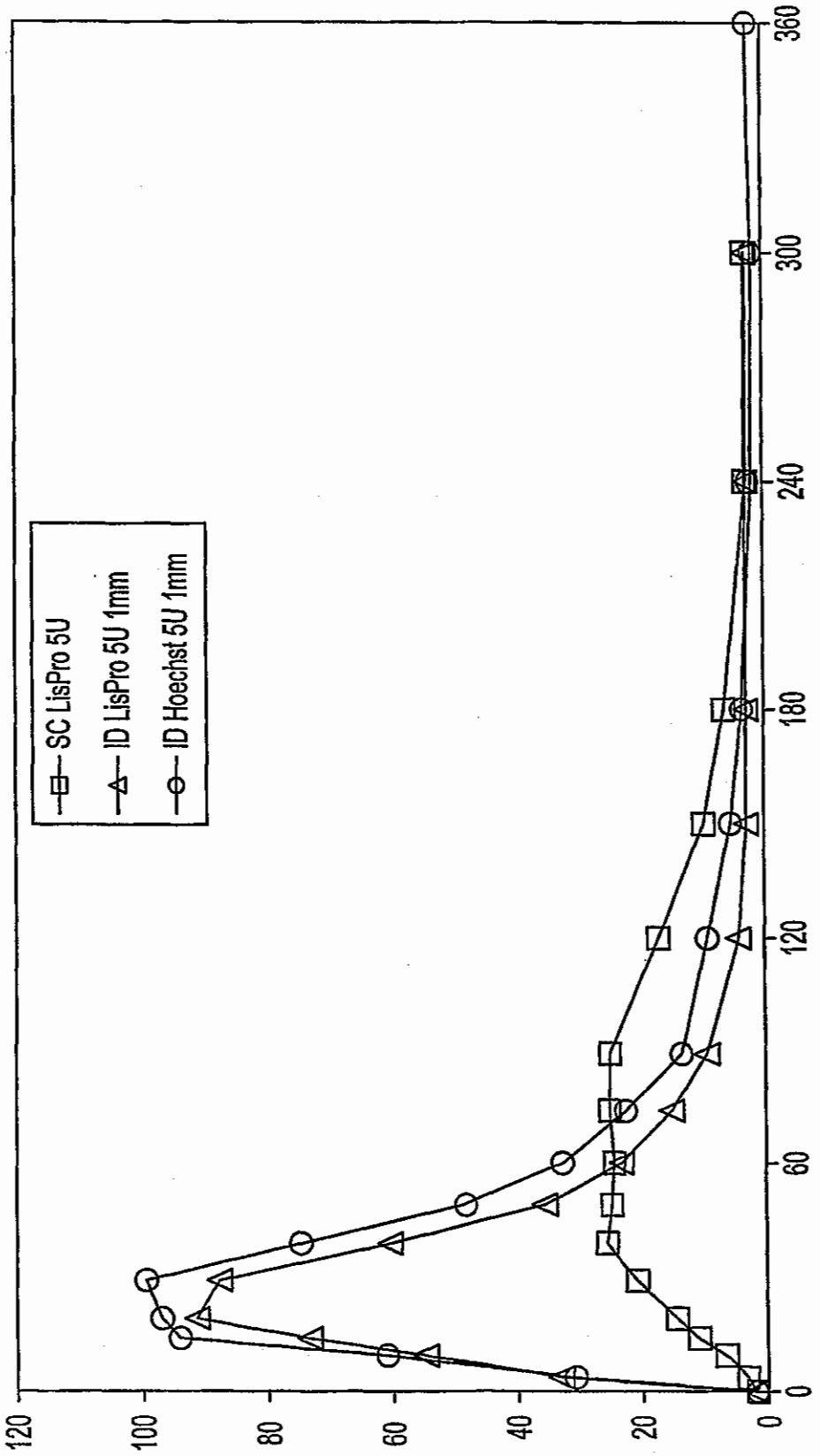

SC LisPro 5U
ID LisPro 5U 1mm
ID Hoechst 5U 1mm
INSULIN (uU/mL)
120
100
80
60
40
20
0
0
60
120
180
240
300
360
TIME (MIN)

FIG. 3

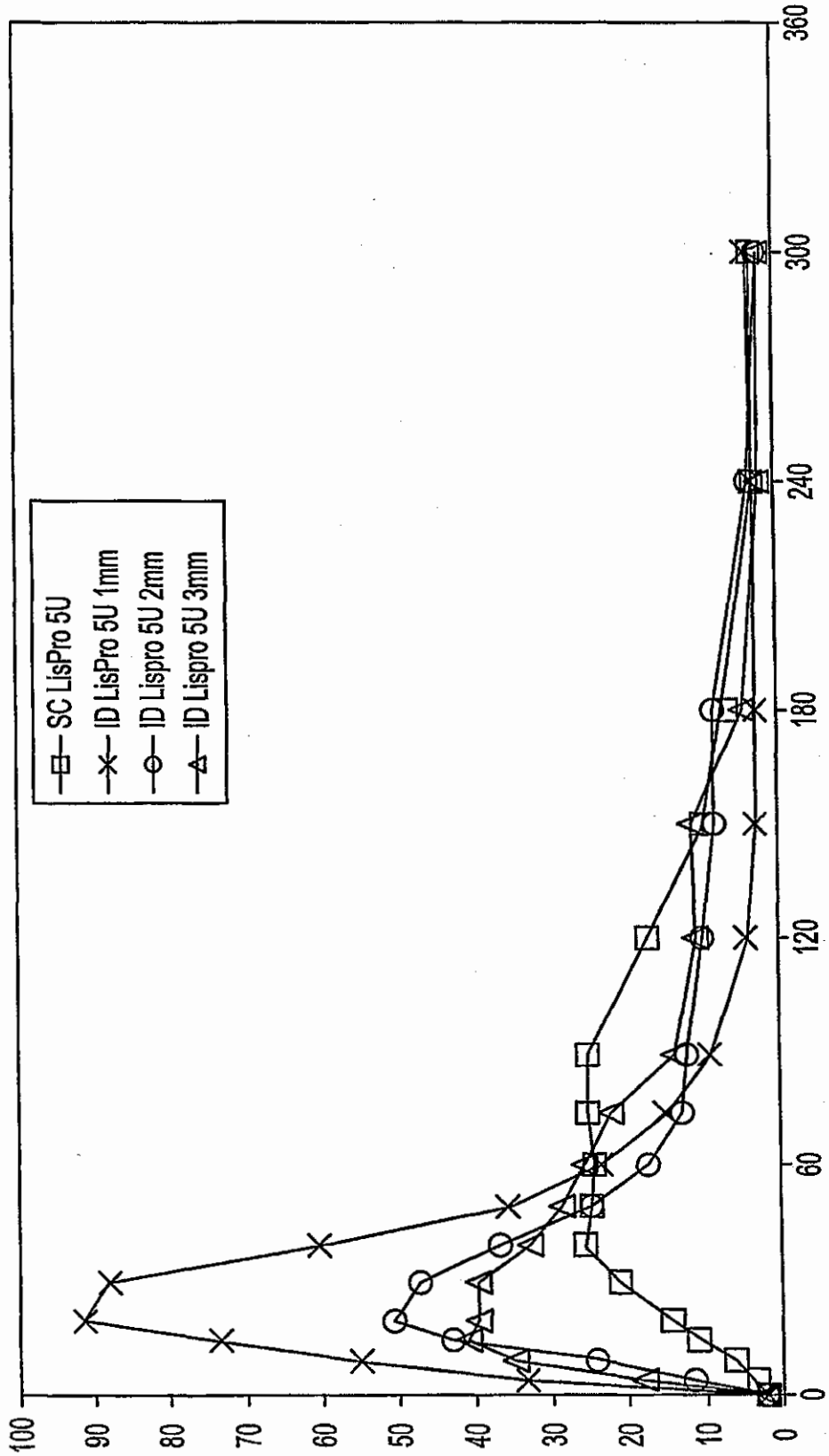

SC LisPro 5U
ID LisPro 5U 1mm
ID Lispro 5U 2mm
ID Lispro 5U 3mm
INSULIN (uU/mL)
TIME (MIN)
0
10
20
30
40
50
60
70
80
90
100
0
60
120
180
240
300
360

FIG. 4

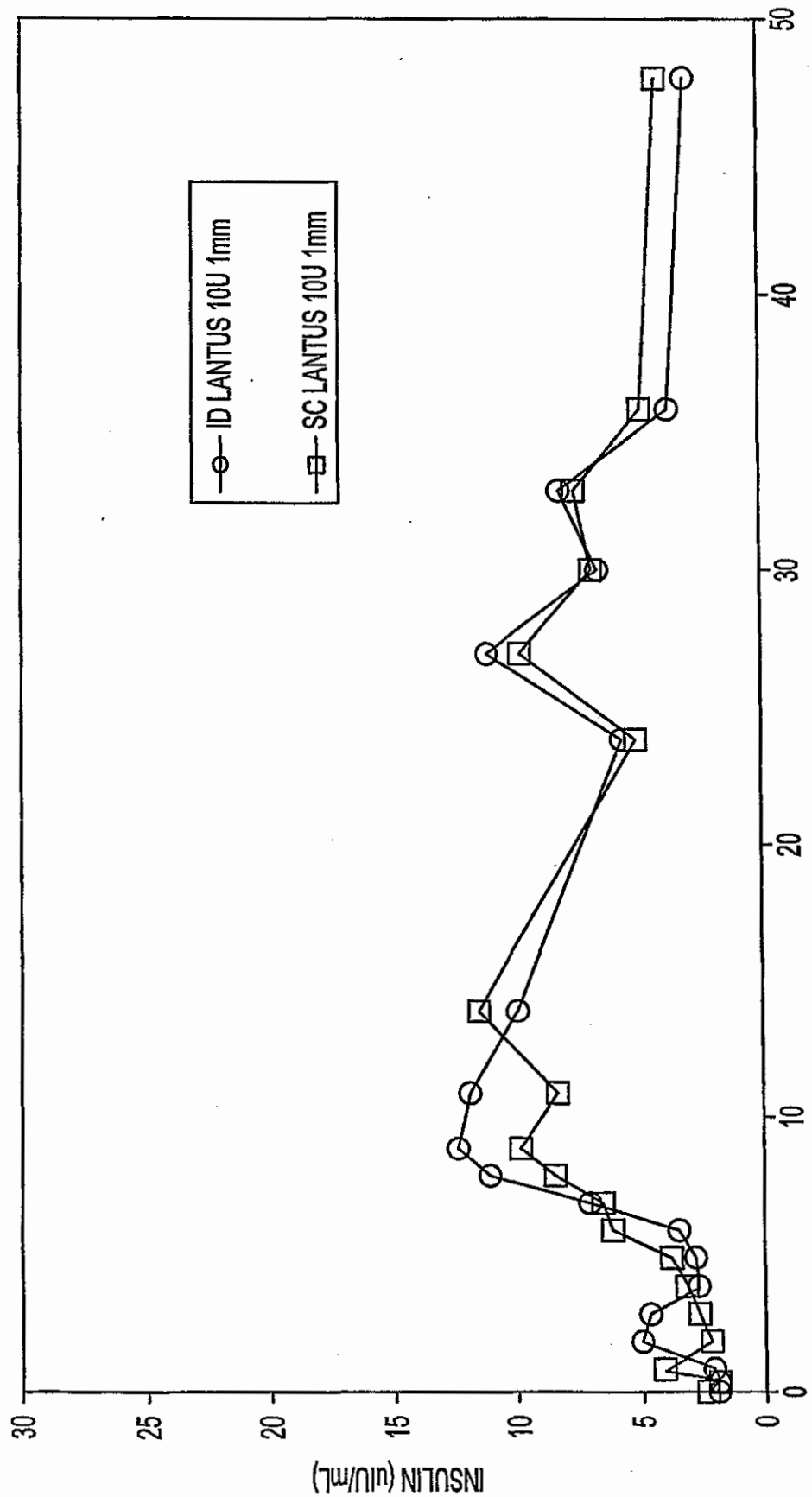

ID LANTUS 10U 1mm
SC LANTUS 10U 1mm
INSULIN (uU/mL)
TIME (H)
0
5
10
15
20
25
30
0
10
20
30
40
50

FIG. 5

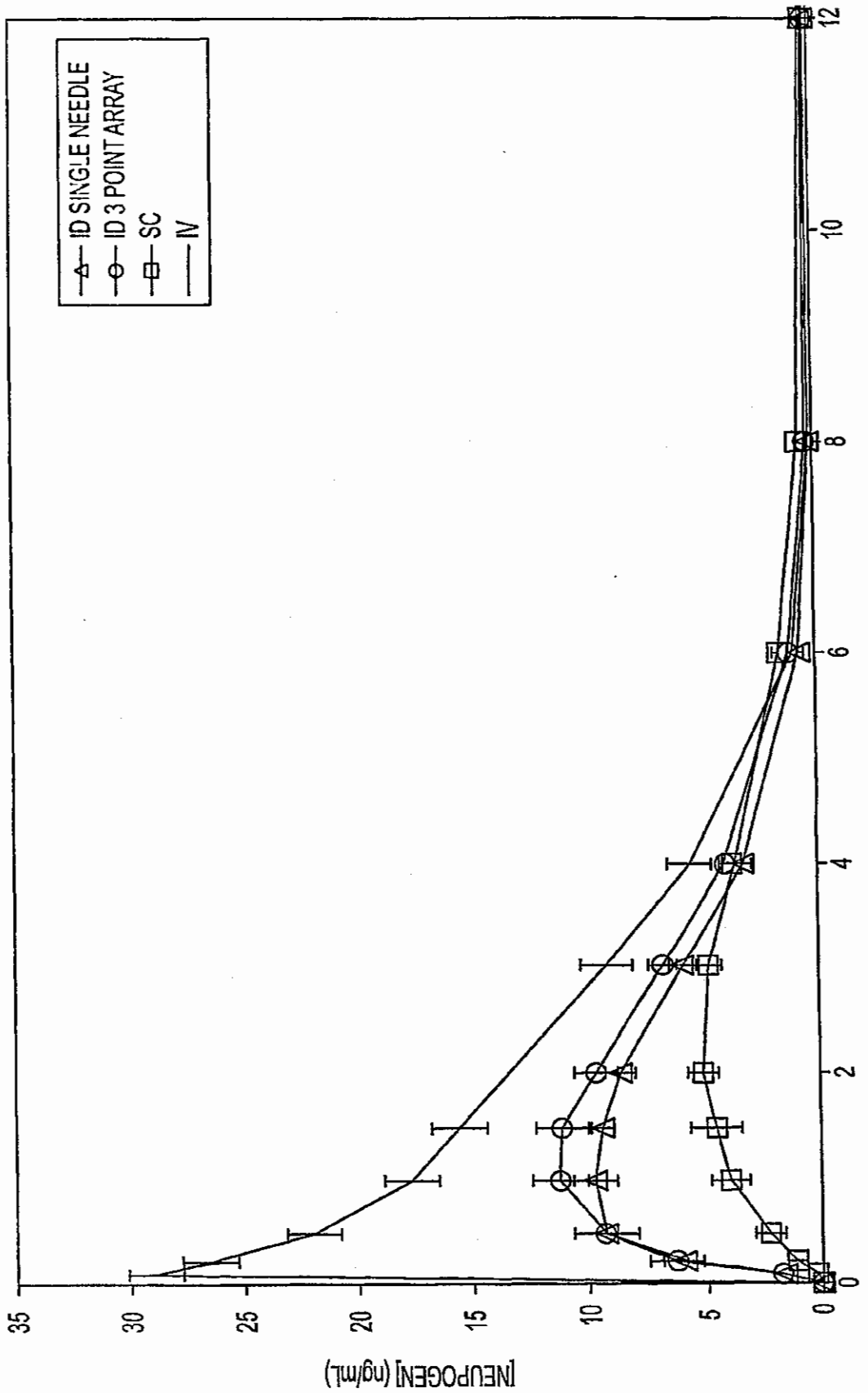

ID SINGLE NEEDLE
ID 3 POINT ARRAY
SC
IV
[NEUPOGEN] (ng/mL)
TIME (H)
0
5
10
15
20
25
30
35
0
2
4
6
8
10
12

FIG. 6

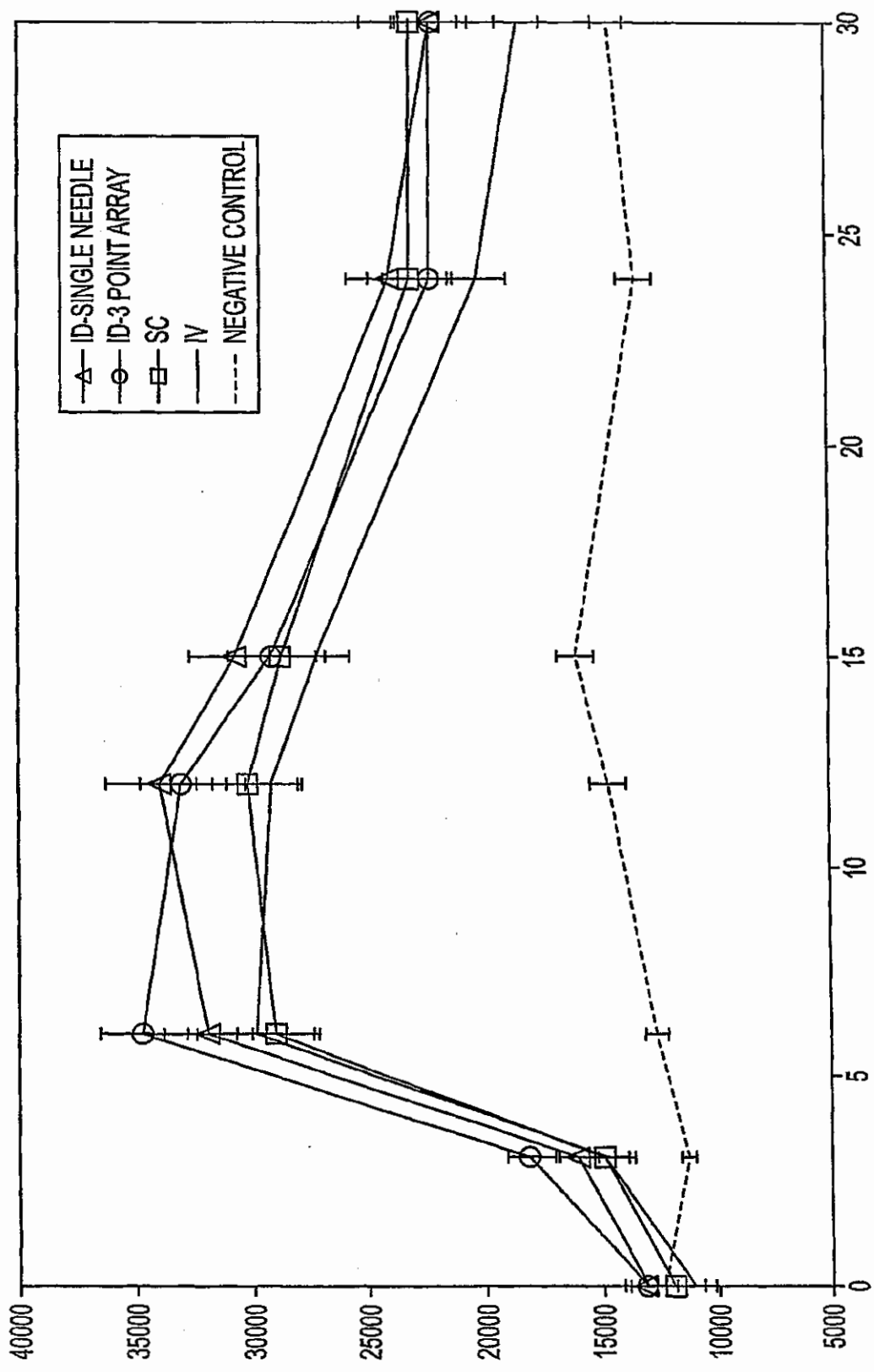

ID-SINGLE NEEDLE
ID-3 POINT ARRAY
SC
IV
NEGATIVE CONTROL
WBC COUNT
40000
35000
30000
25000
20000
15000
10000
5000
0
5
10
15
20
25
30
TIME (H)

FIG. 7