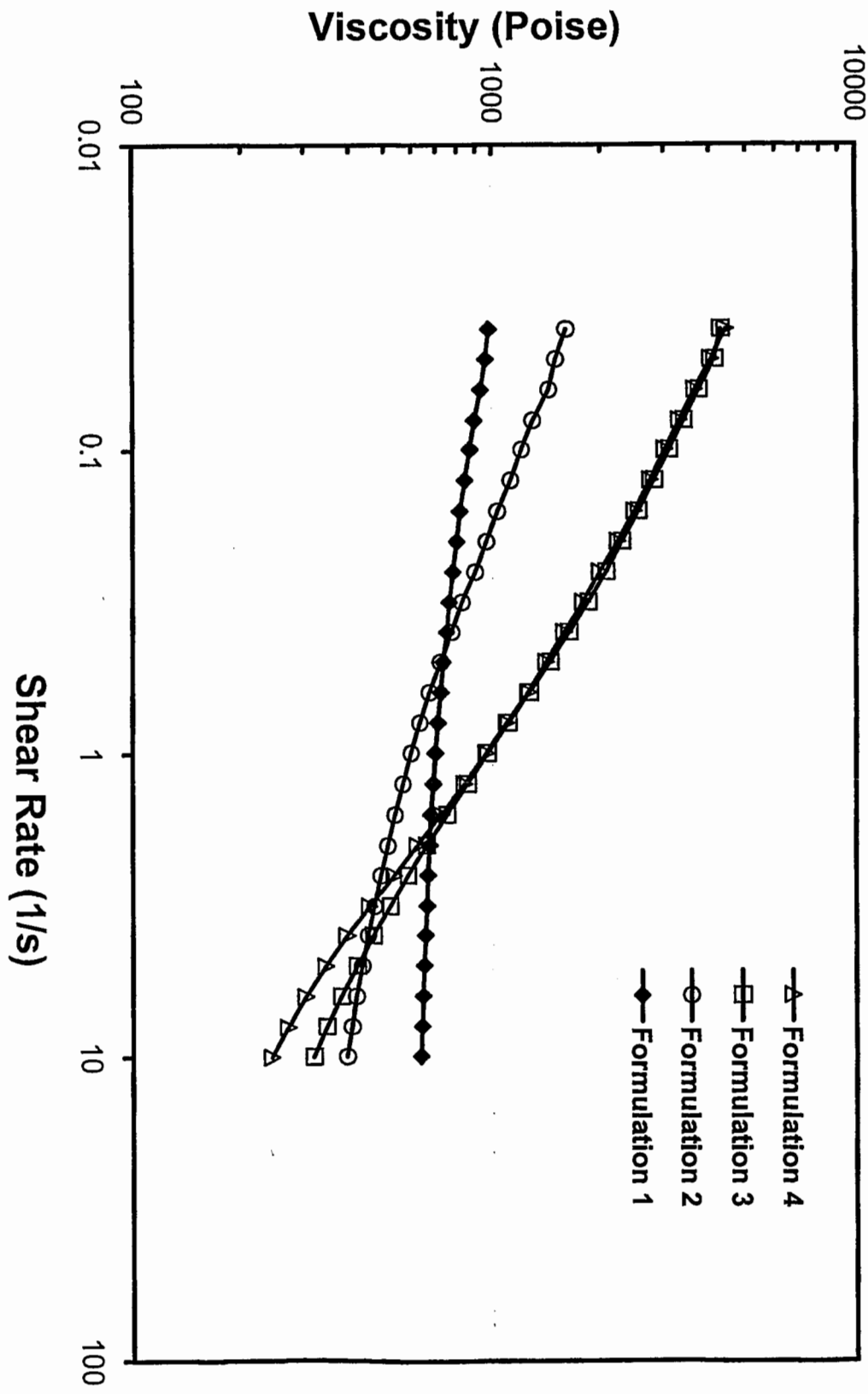
Viscosity (Poise)
100
1000
10000
Shear Rate (1/s)
0.01
0.1
1
10
100
Formulation 4
Formulation 3
Formulation 2
Formulation 1

FIG. 1

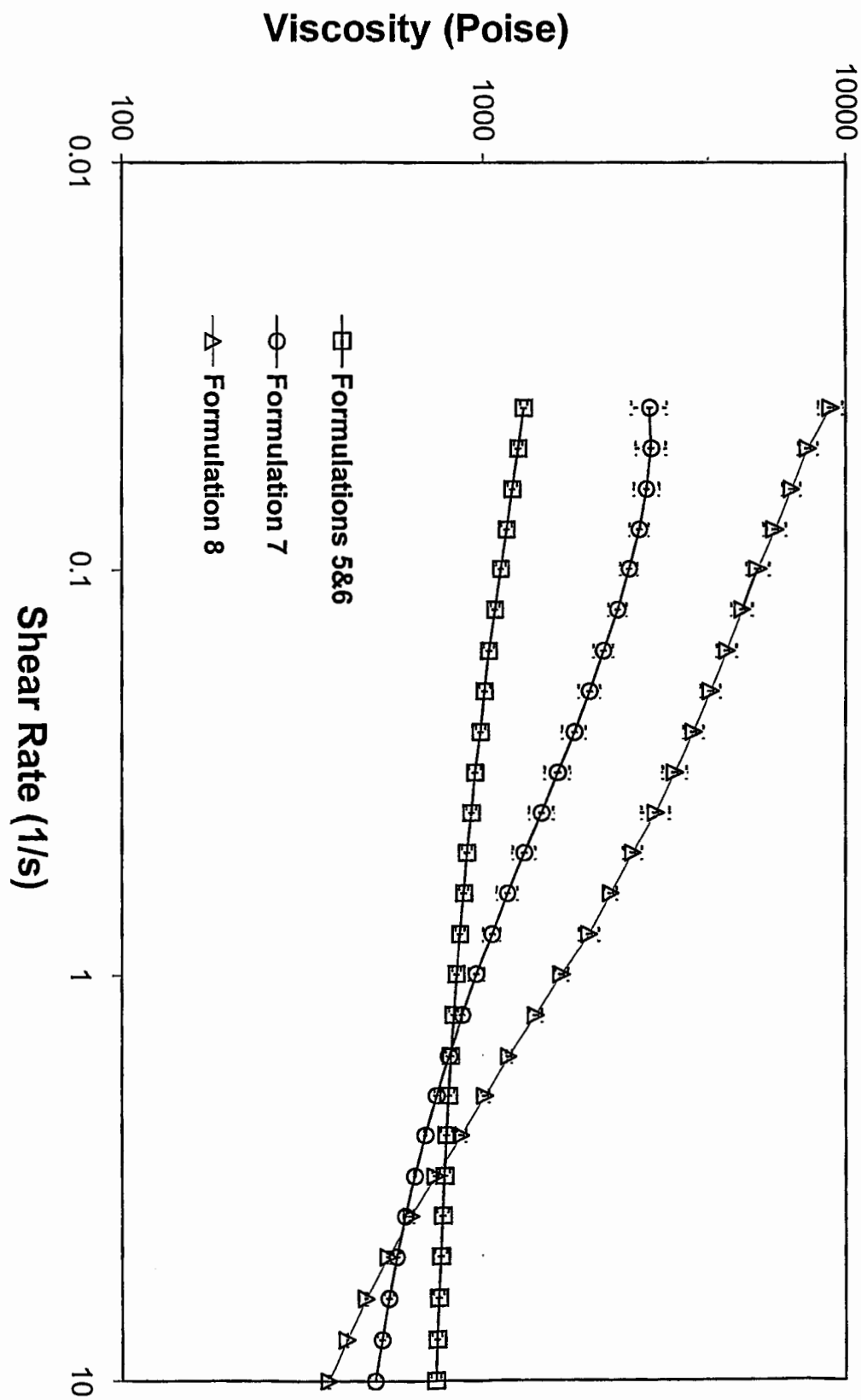
Viscosity (Poise)
100
1000
10000
0.01
0.1
1
10
Shear Rate (1/s)
Formulations 5&6
Formulation 7
Formulation 8

FIG. 2

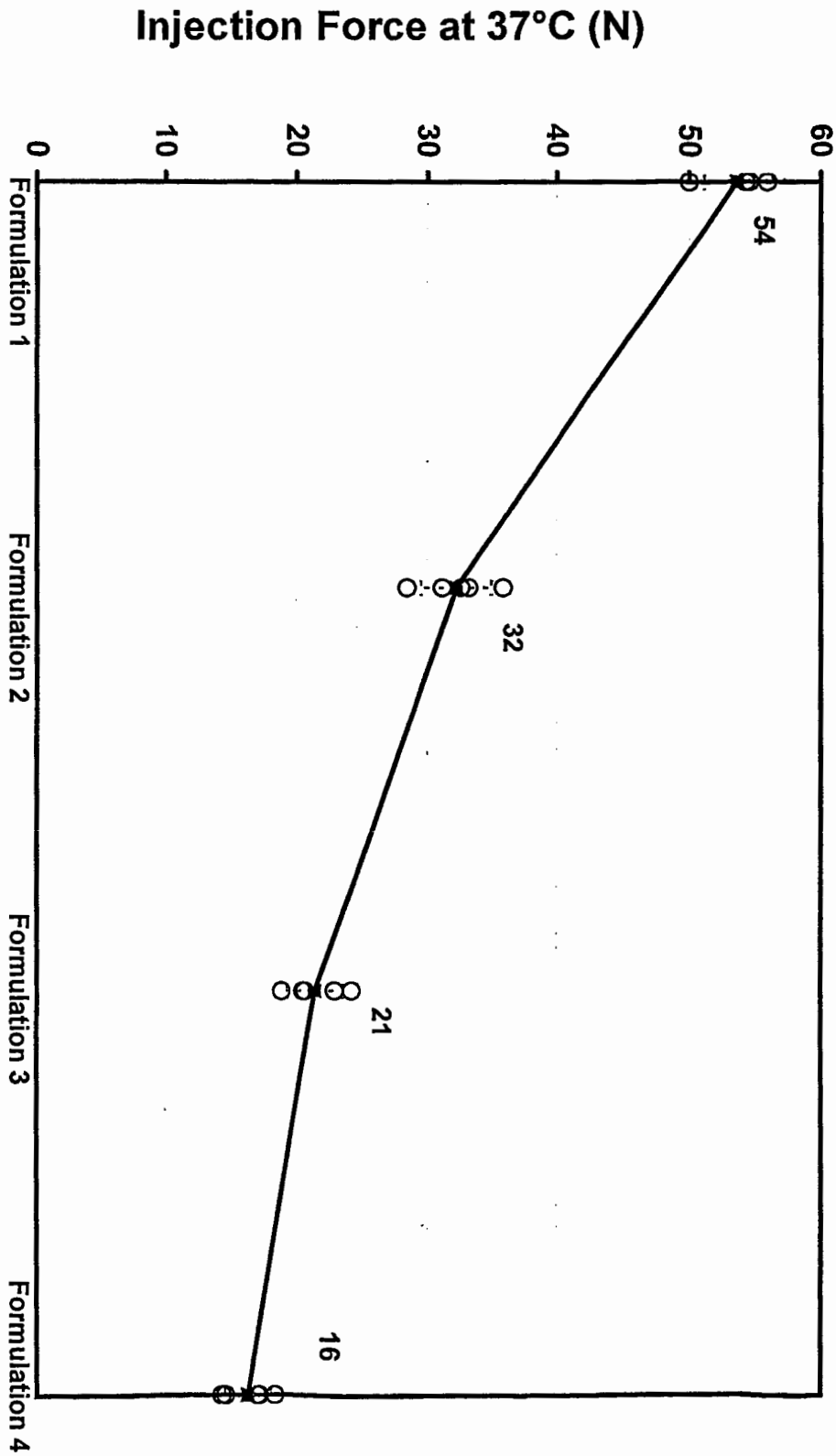
Injection Force at 37°C (N)
0
10
20
30
40
50
60
Formulation 1
Formulation 2
Formulation 3
Formulation 4
54
32
21
16

FIG. 3

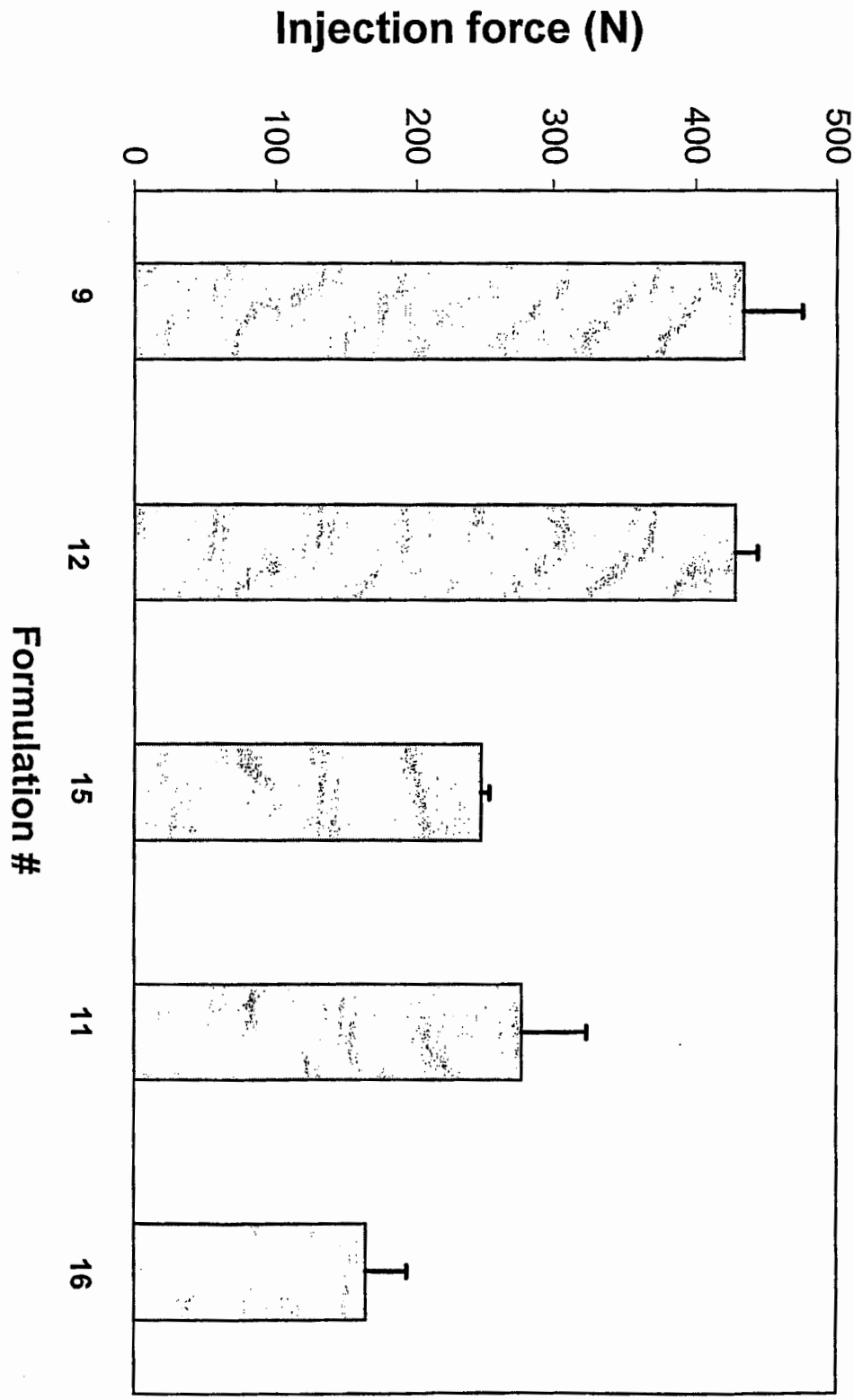
Injection force (N)
0
100
200
300
400
500
Formulation #
9
12
15
11
16

FIG. 4A

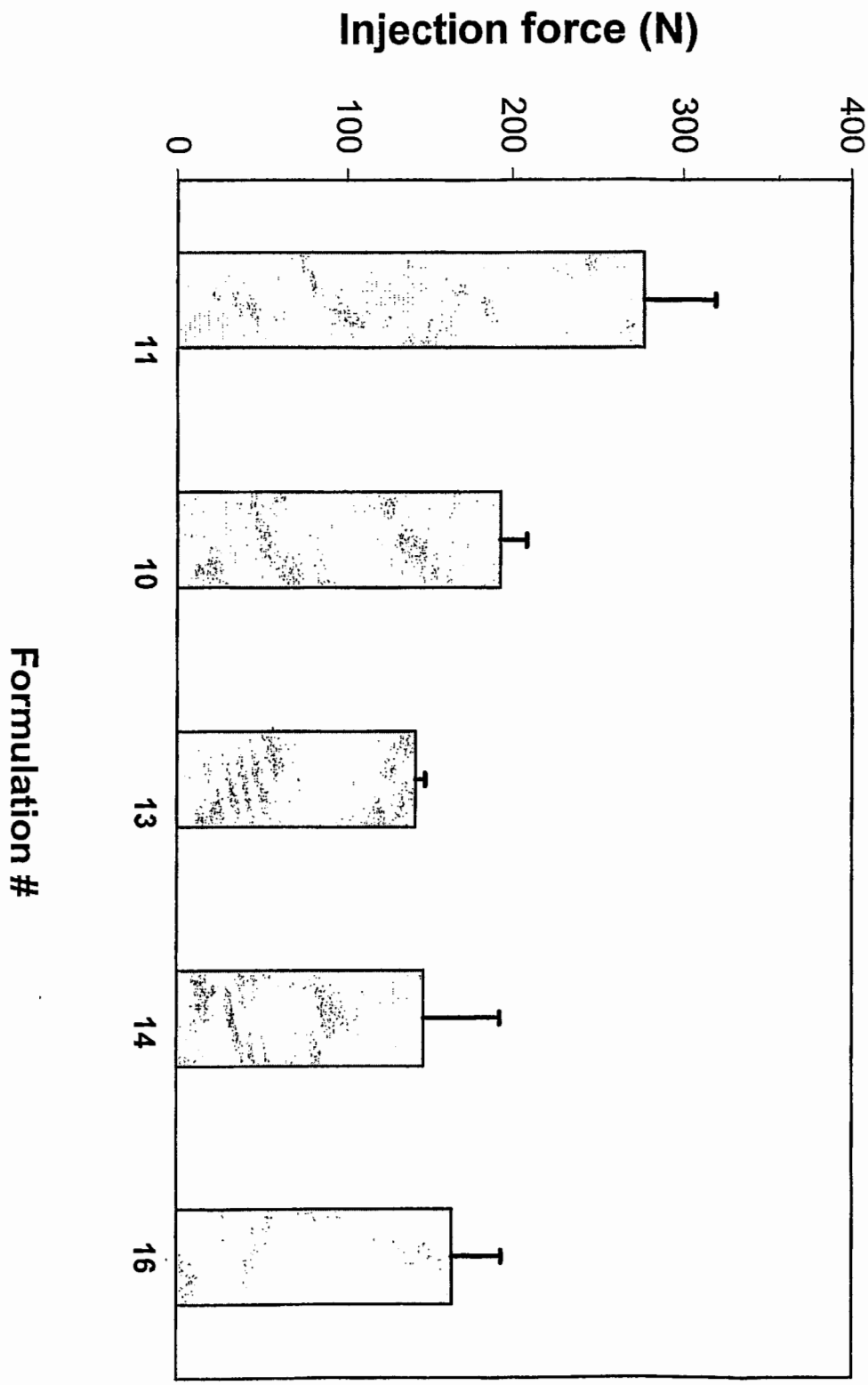

FIG. 4B

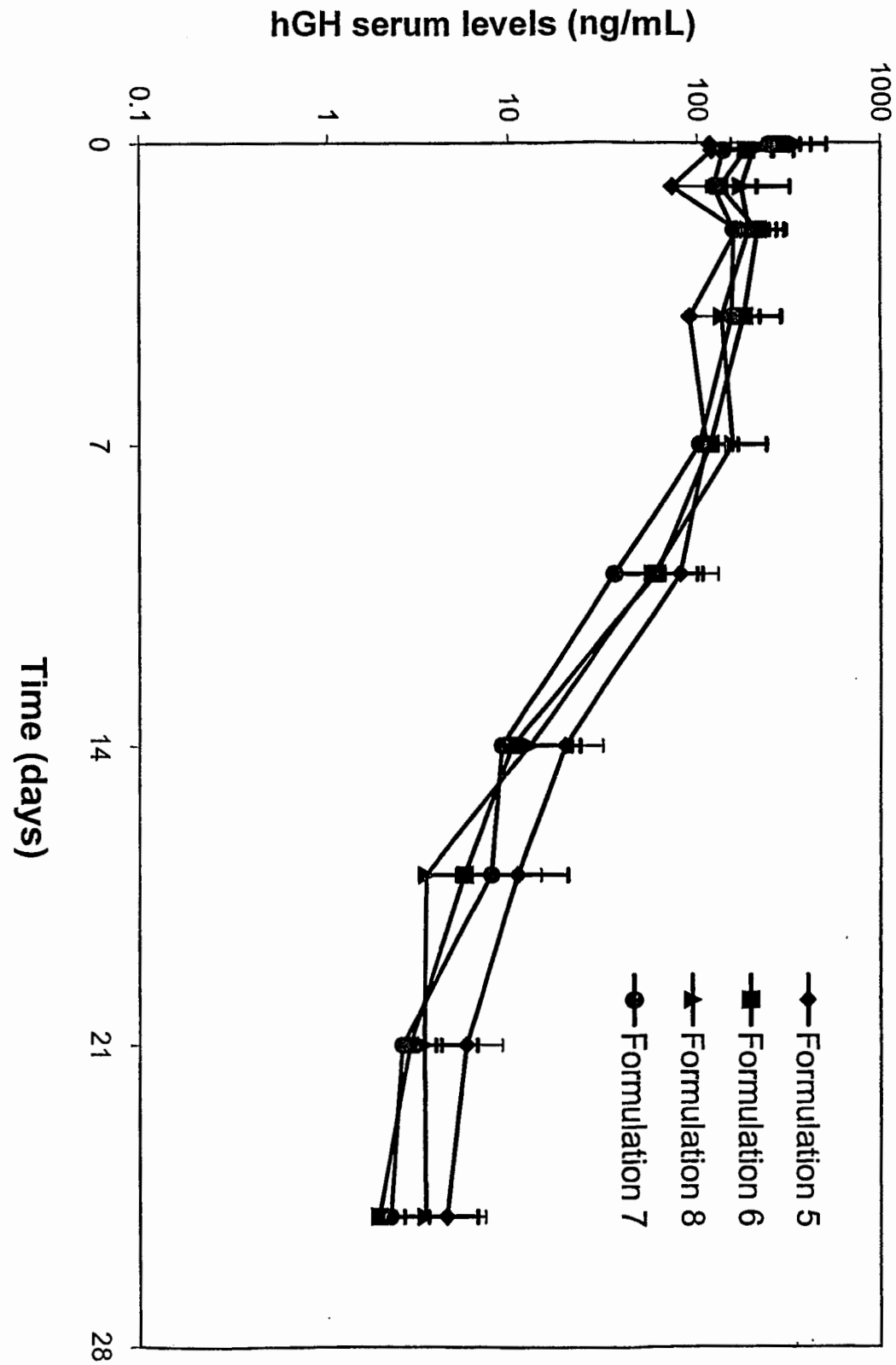
hGH serum levels (ng/mL)
0.1
1
10
100
1000
0
7
14
21
28
Time (days)
Formulation 5
Formulation 6
Formulation 8
Formulation 7

FIG. 5

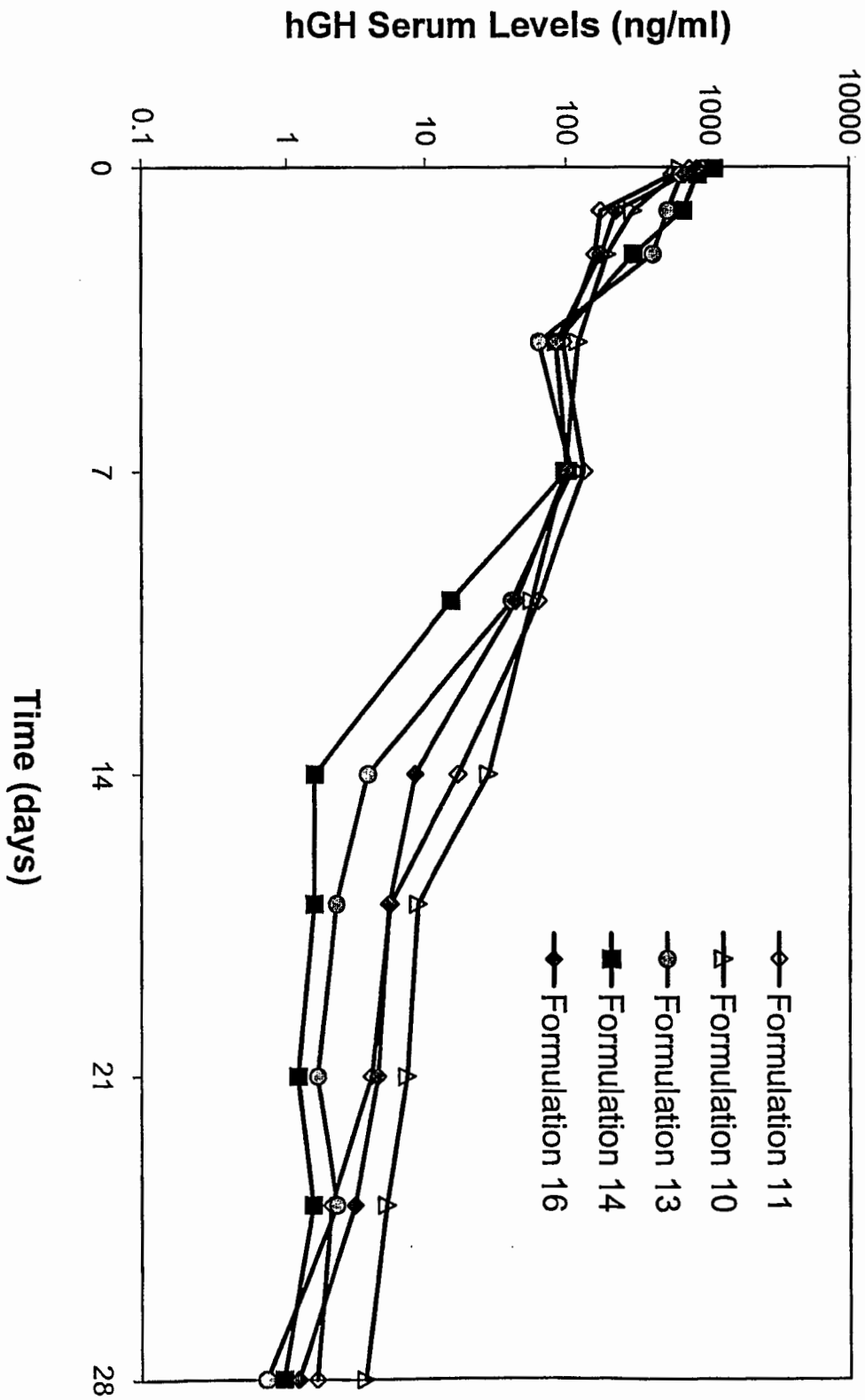
hGH Serum Levels (ng/ml)
0.1
1
10
100
1000
10000
0
7
14
21
28
Time (days)
Formulation 11
Formulation 10
Formulation 13
Formulation 14
Formulation 16

FIG. 6A

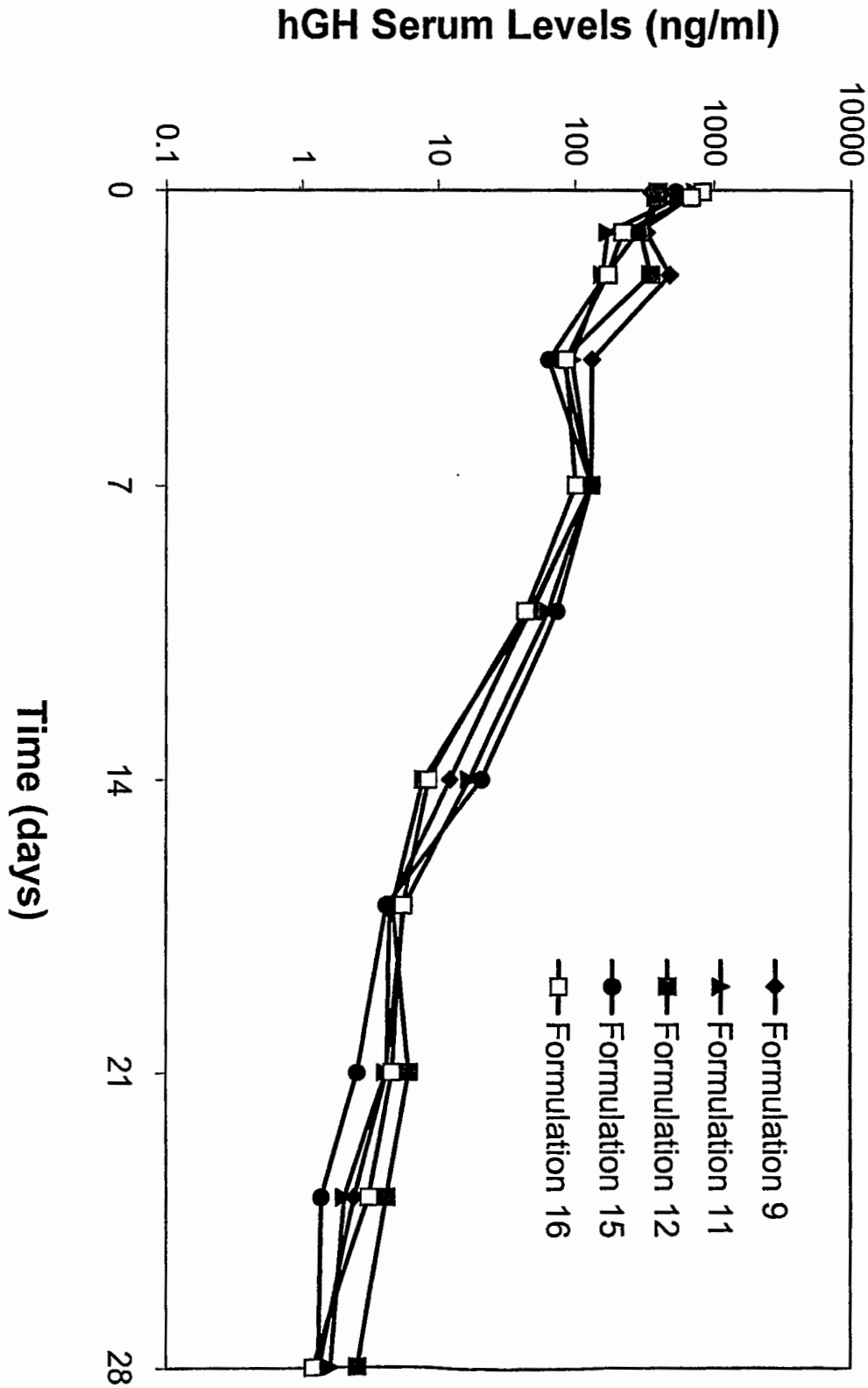
hGH Serum Levels (ng/ml)
0.1
1
10
100
1000
10000
0
7
14
21
28
Time (days)
Formulation 9
Formulation 11
Formulation 12
Formulation 15
Formulation 16

FIG. 6B

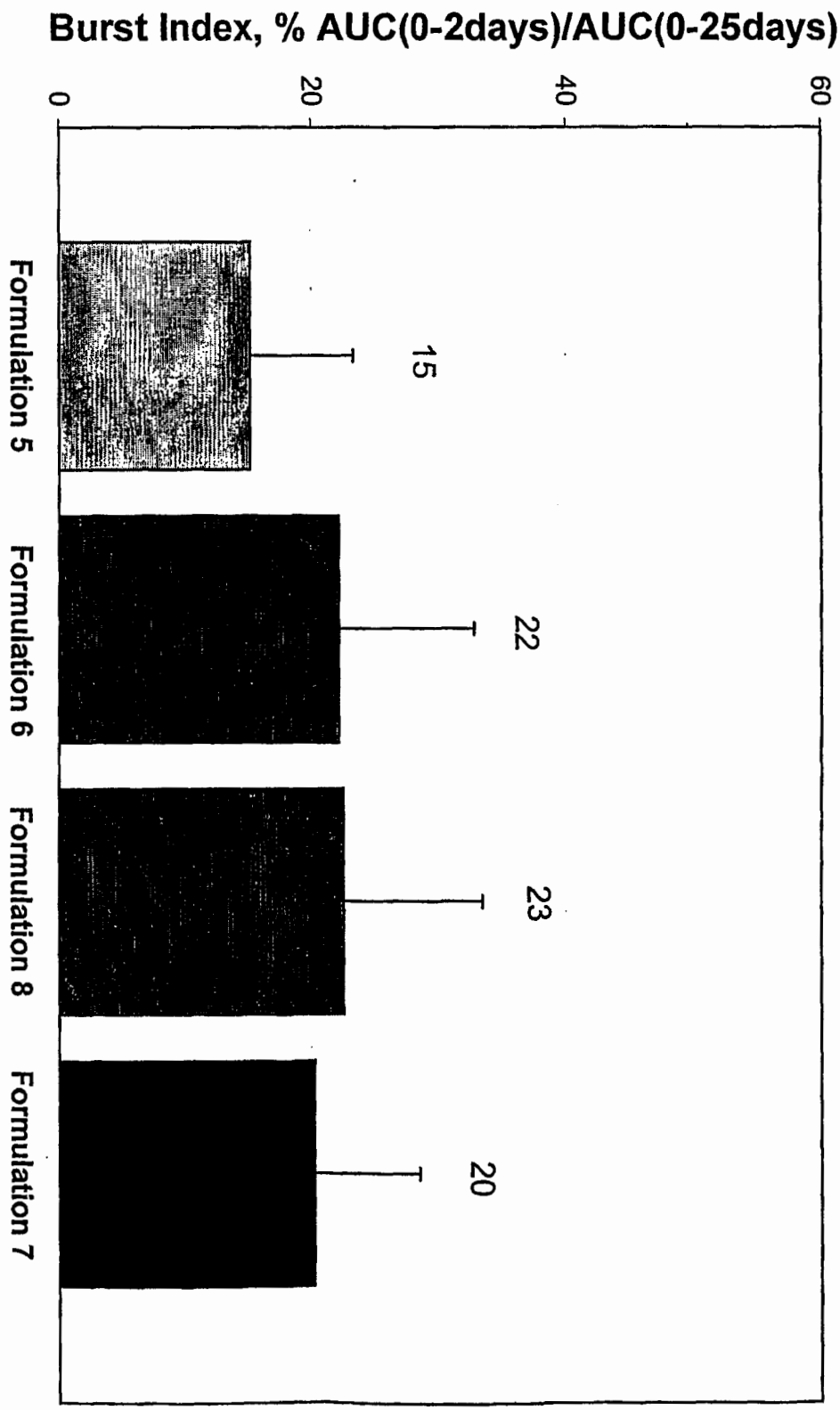
Burst Index, % AUC(0-2days)/AUC(0-25days)
0
20
40
60
Formulation 5
15
Formulation 6
22
Formulation 8
23
Formulation 7
20

FIG. 7

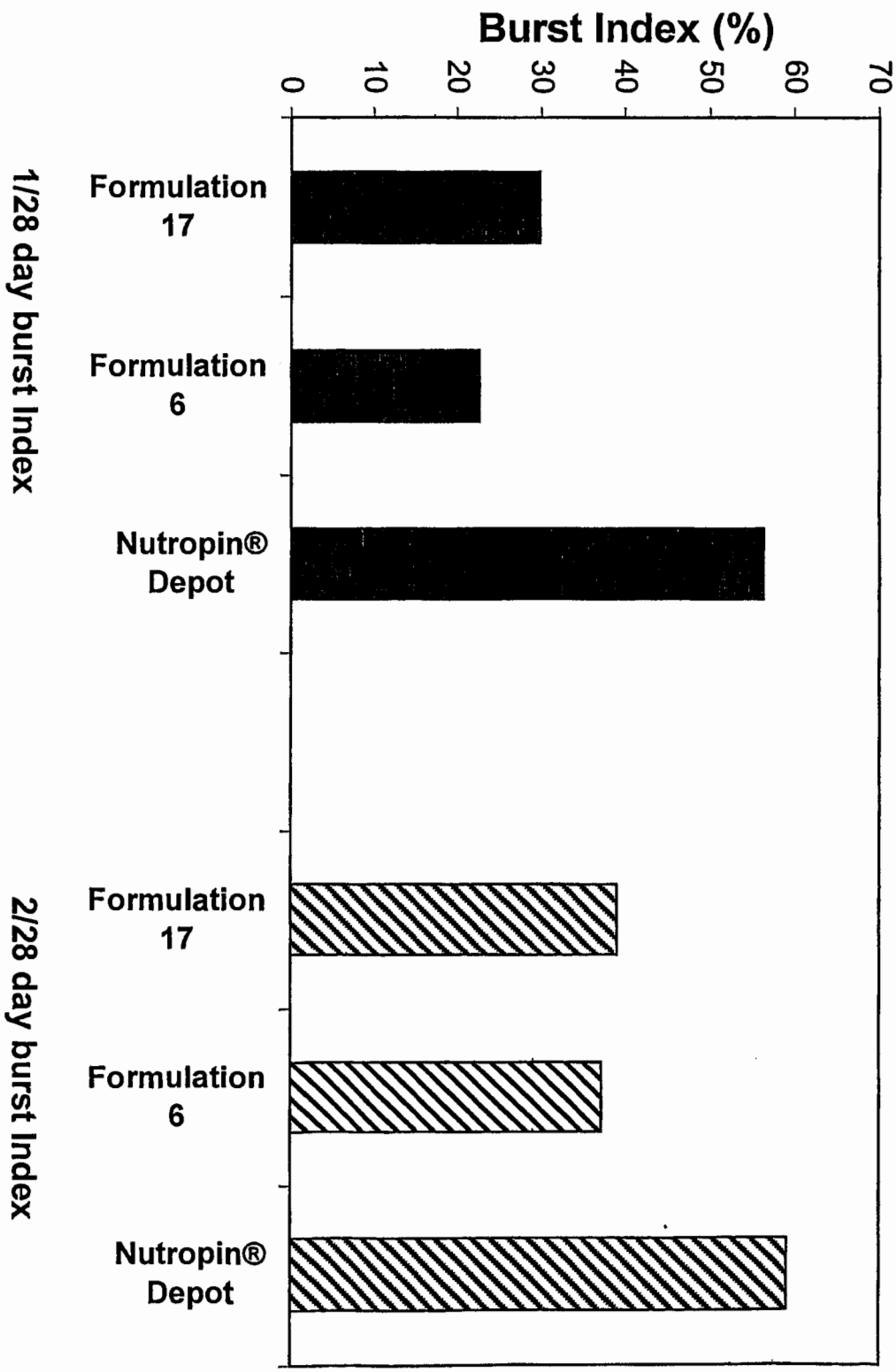
Burst Index (%)
0
10
20
30
40
50
60
70
1/28 day burst Index
Formulation 17
Formulation 6
Nutropin® Depot
2/28 day burst Index
Formulation 17
Formulation 6
Nutropin® Depot

FIG. 8