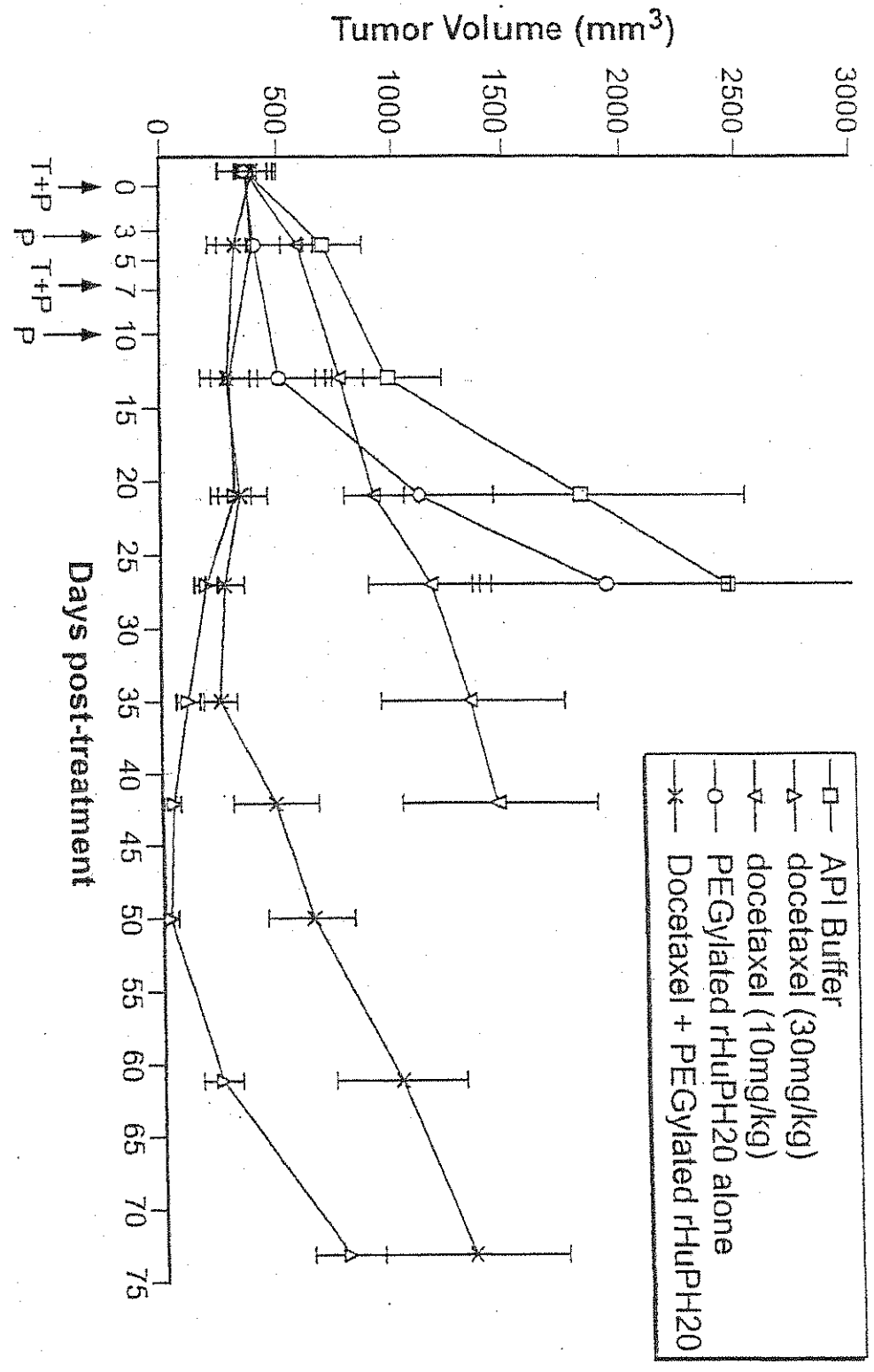

Effect of PEGrHuPH20 and docetaxel on tumor volume in PC3 Prostate Carcinoma Model
Tumor Volume (mm3)
0
500
1000
1500
2000
2500
3000
Days post-treatment
0 3 5 7 10 15 20 25 30 35 40 45 50 55 60 65 70 75
T+P
P
T+P
P
API Buffer
docetaxel (30mg/kg)
docetaxel (10mg/kg)
PEGylated rHuPH20 alone
Docetaxel + PEGylated rHuPH20

FIG. 1

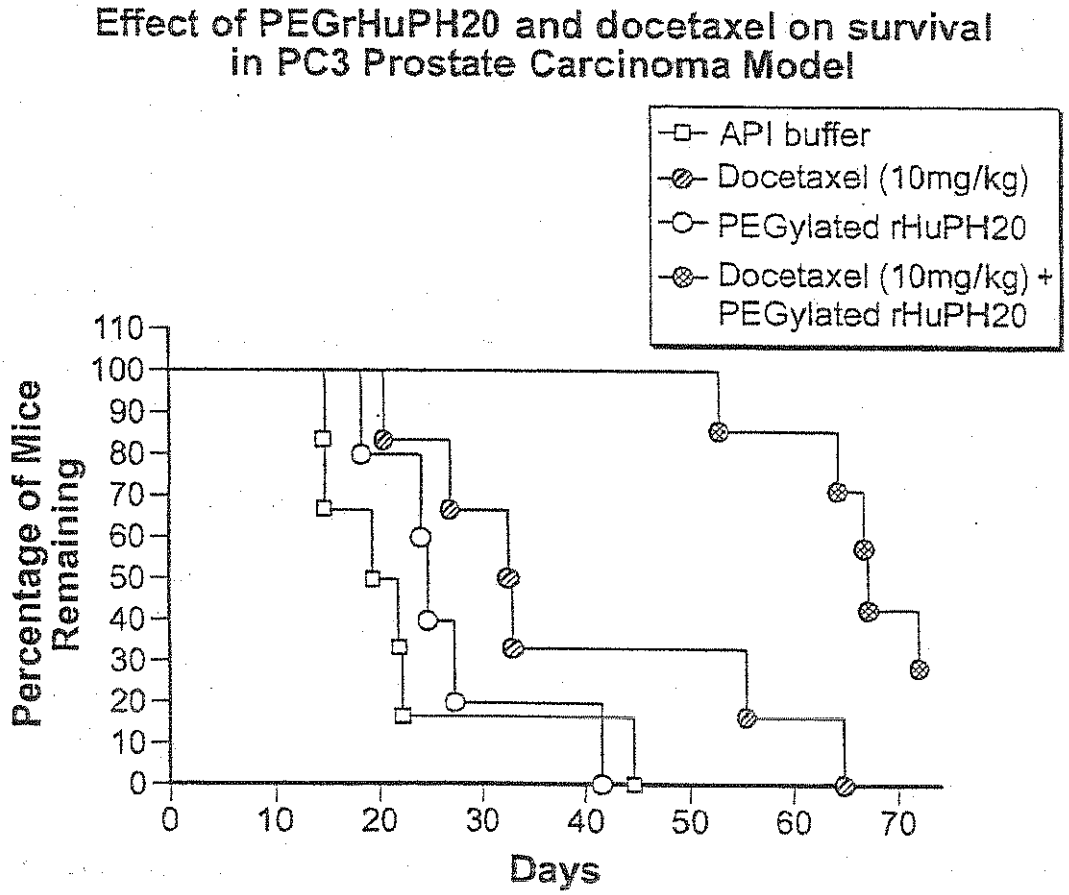

Effect of PEGrHuPH20 and docetaxel on survival in PC3 Prostate Carcinoma Model
API buffer
Docetaxel (10mg/kg)
PEGylated rHuPH20
Docetaxel (10mg/kg) + PEGylated rHuPH20
Percentage of Mice Remaining
110
100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
40
50
60
70
Days

FIG. 2

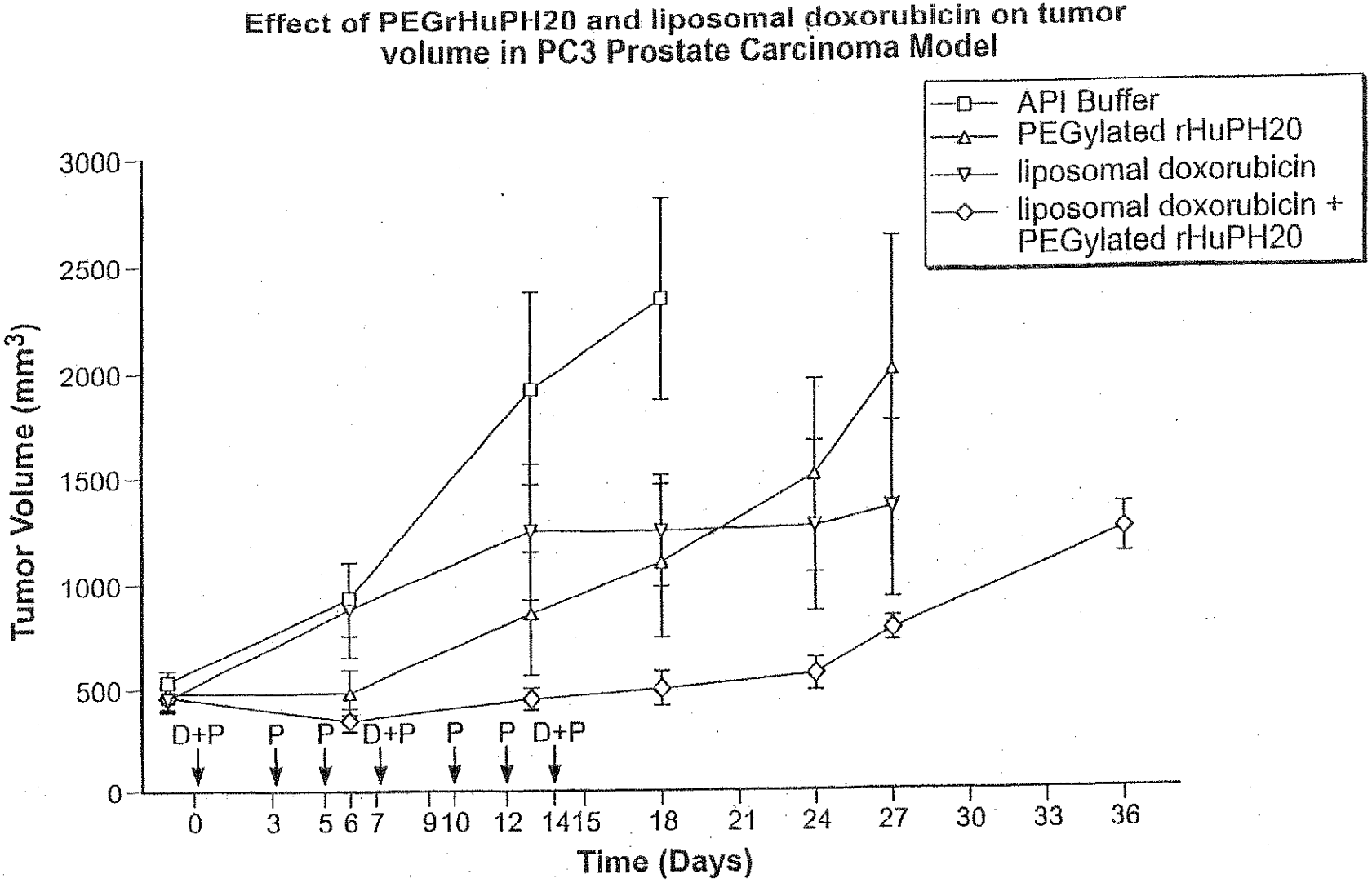

Effect of PEGrHuPH20 and liposomal doxorubicin on tumor volume in PC3 Prostate Carcinoma Model
API Buffer
PEGylated rHuPH20
liposomal doxorubicin
liposomal doxorubicin + PEGylated rHuPH20
Tumor Volume (mm3)
3000
2500
2000
1500
1000
500
0
D+P
P
P
D+P
P
P
D+P
0
3
5
6
7
9
10
12
14
15
18
21
24
27
30
33
36
Time (Days)

FIG. 3

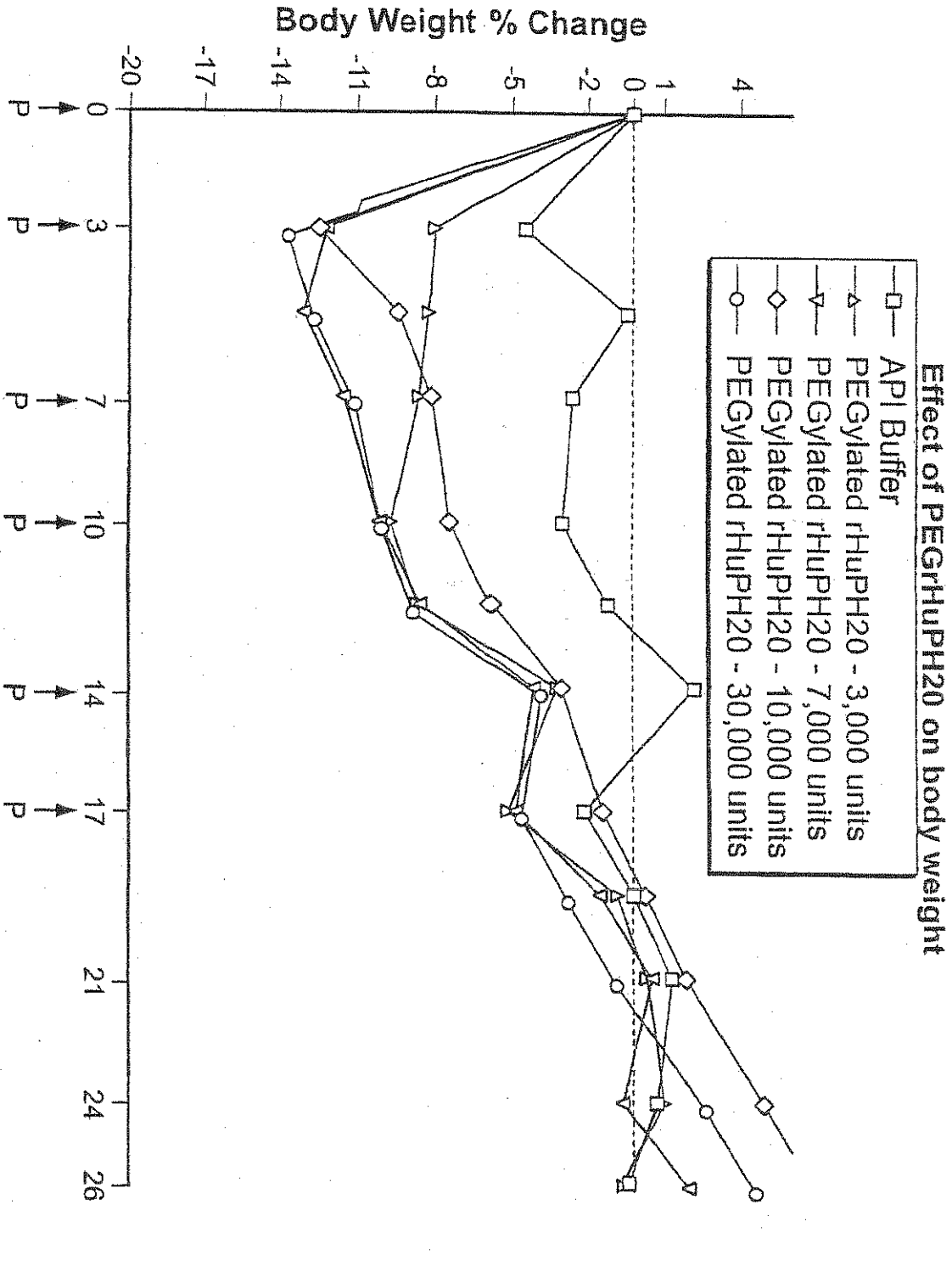

Effect of PEGrHuPH20 on body weight
API Buffer
PEGylated rHuPH20 - 3,000 units
PEGylated rHuPH20 - 7,000 units
PEGylated rHuPH20 - 10,000 units
PEGylated rHuPH20 - 30,000 units
Body Weight % Change
4
1
0
-2
-5
-8
-11
-14
-17
-20
Day
0
3
7
10
14
17
21
24
26
P

FIG. 4

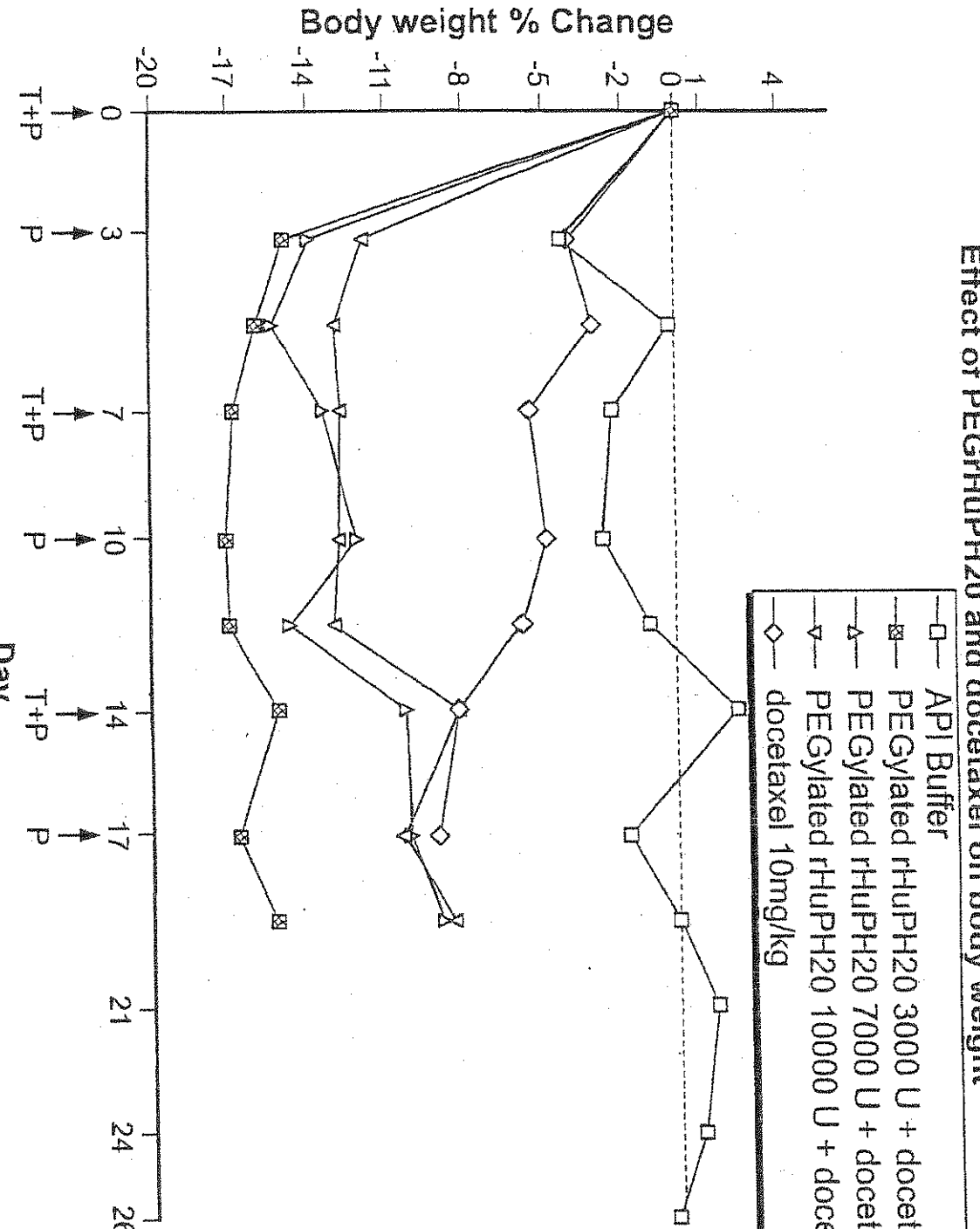

Effect of PEGrHuPH20 and docetaxel on body weight
Body weight % Change
4
1
0
-2
-5
-8
-11
-14
-17
-20
0
3
7
10
14
17
21
24
26
Day
T+P
P
T+P
P
T+P
P
API Buffer
PEGylated rHuPH20 3000 U + docetaxel 10mg/kg
PEGylated rHuPH20 7000 U + docetaxel 10mg/kg
PEGylated rHuPH20 10000 U + docetaxel 10mg/kg
docetaxel 10mg/kg

FIG. 5

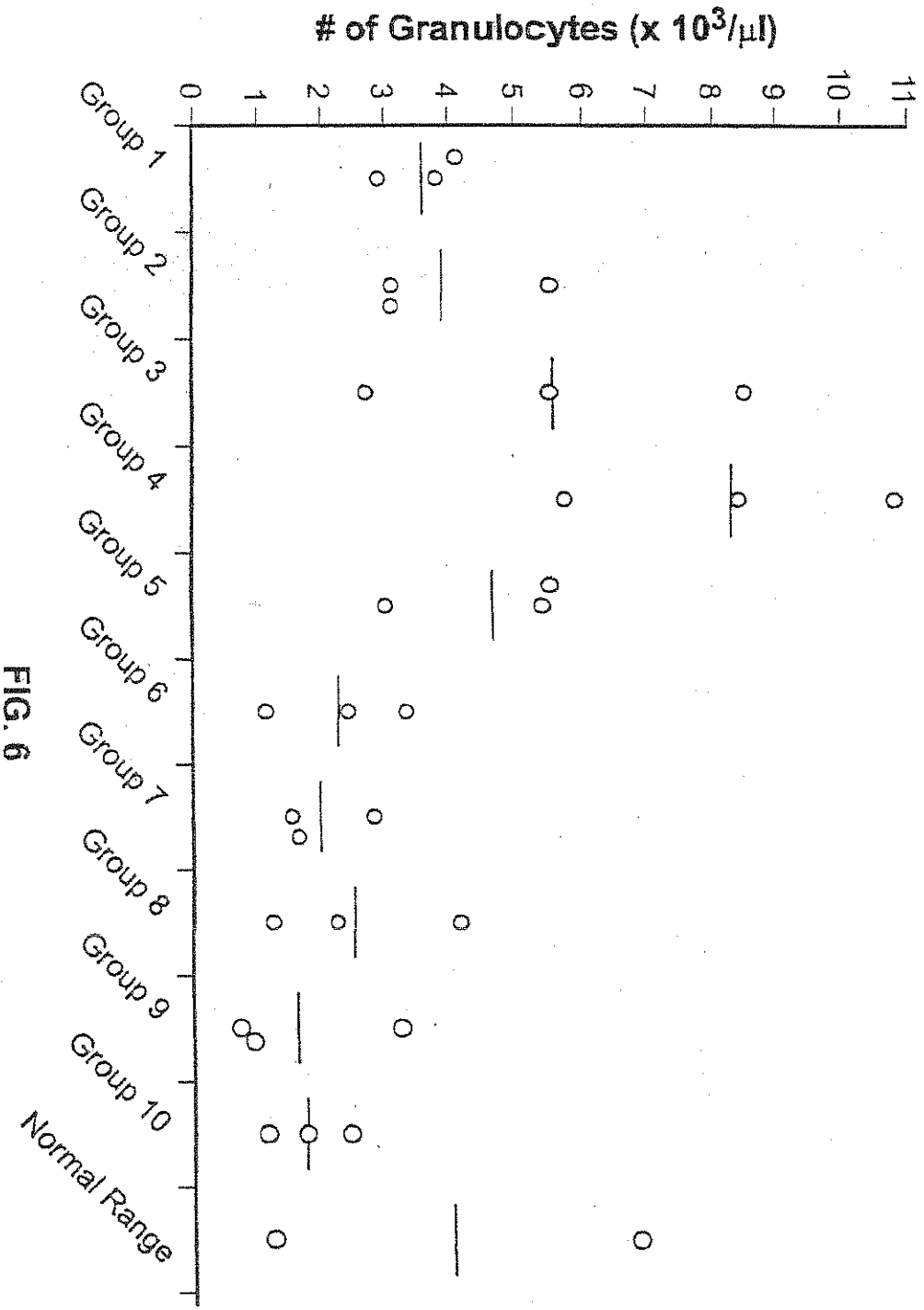

Effect of PEGrHuPH20 and docetaxel on granulocyte numbers
# of Granulocytes (x 10³/μl)
0
1
2
3
4
5
6
7
8
9
10
11
Group 1
Group 2
Group 3
Group 4
Group 5
Group 6
Group 7
Group 8
Group 9
Group 10
Normal Range

FIG. 6

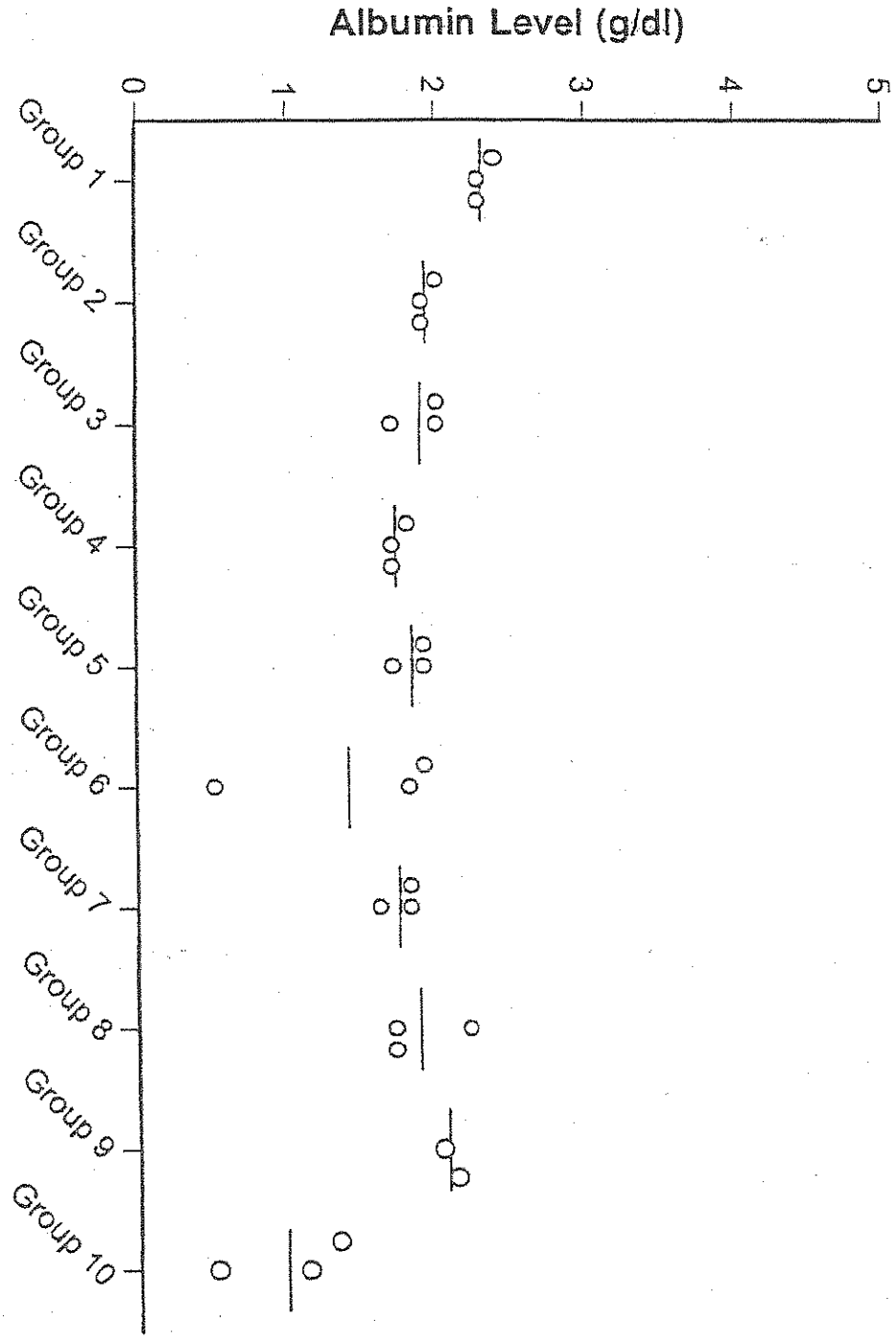

Effect of PEGrHuPH20 and docetaxel on albumin levels
Albumin Level (g/dl)
0
1
2
3
4
5
Group 1
Group 2
Group 3
Group 4
Group 5
Group 6
Group 7
Group 8
Group 9
Group 10

FIG. 7

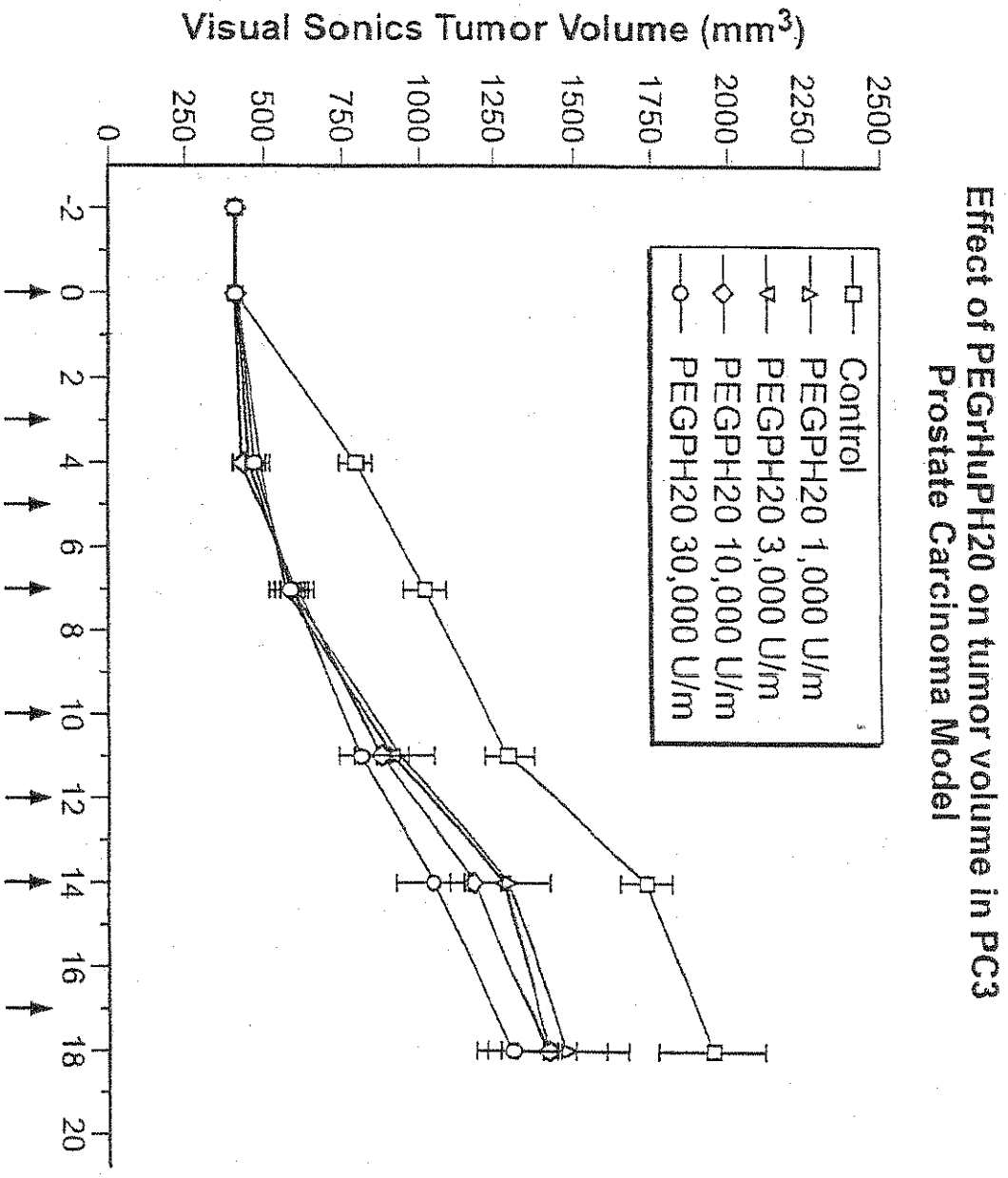

Effect of PEGrHuPH20 on tumor volume in PC3
Prostate Carcinoma Model
Visual Sonics Tumor Volume (mm3)
Control
PEGPH20 1,000 U/m
PEGPH20 3,000 U/m
PEGPH20 10,000 U/m
PEGPH20 30,000 U/m
0
250
500
750
1000
1250
1500
1750
2000
2250
2500
-2
0
2
4
6
8
10
12
14
16
18
20

FIG. 8

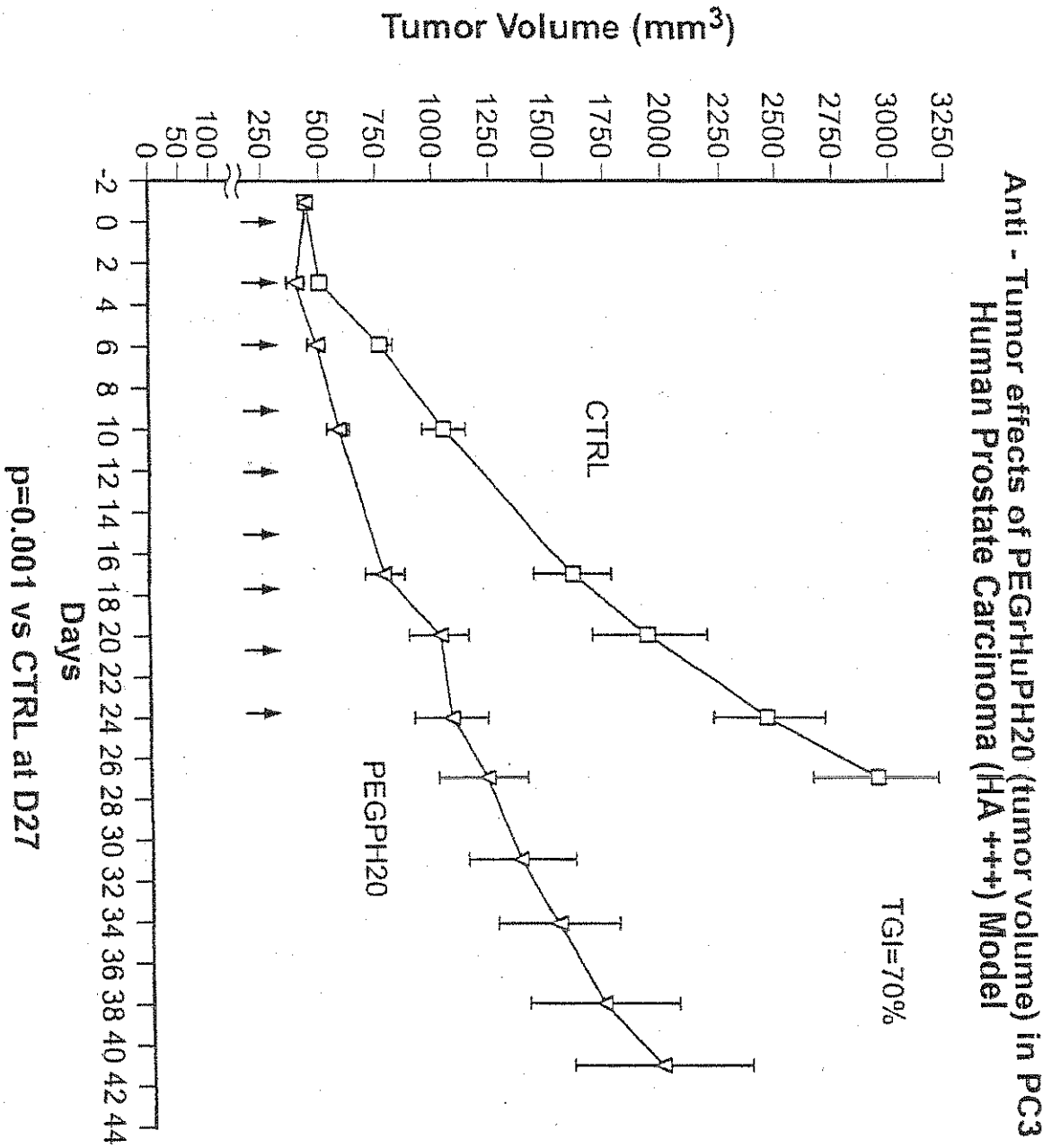

Anti - Tumor effects of PEGrHuPH20 (tumor volume) in PC3
Human Prostate Carcinoma (HA ++++) Model
Tumor Volume (mm3)
3250
3000
2750
2500
2250
2000
1750
1500
1250
1000
750
500
250
100
50
0
-2 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44
Days
CTRL
PEGPH20
TGI=70%
p=0.001 vs CTRL at D27

FIG. 9A

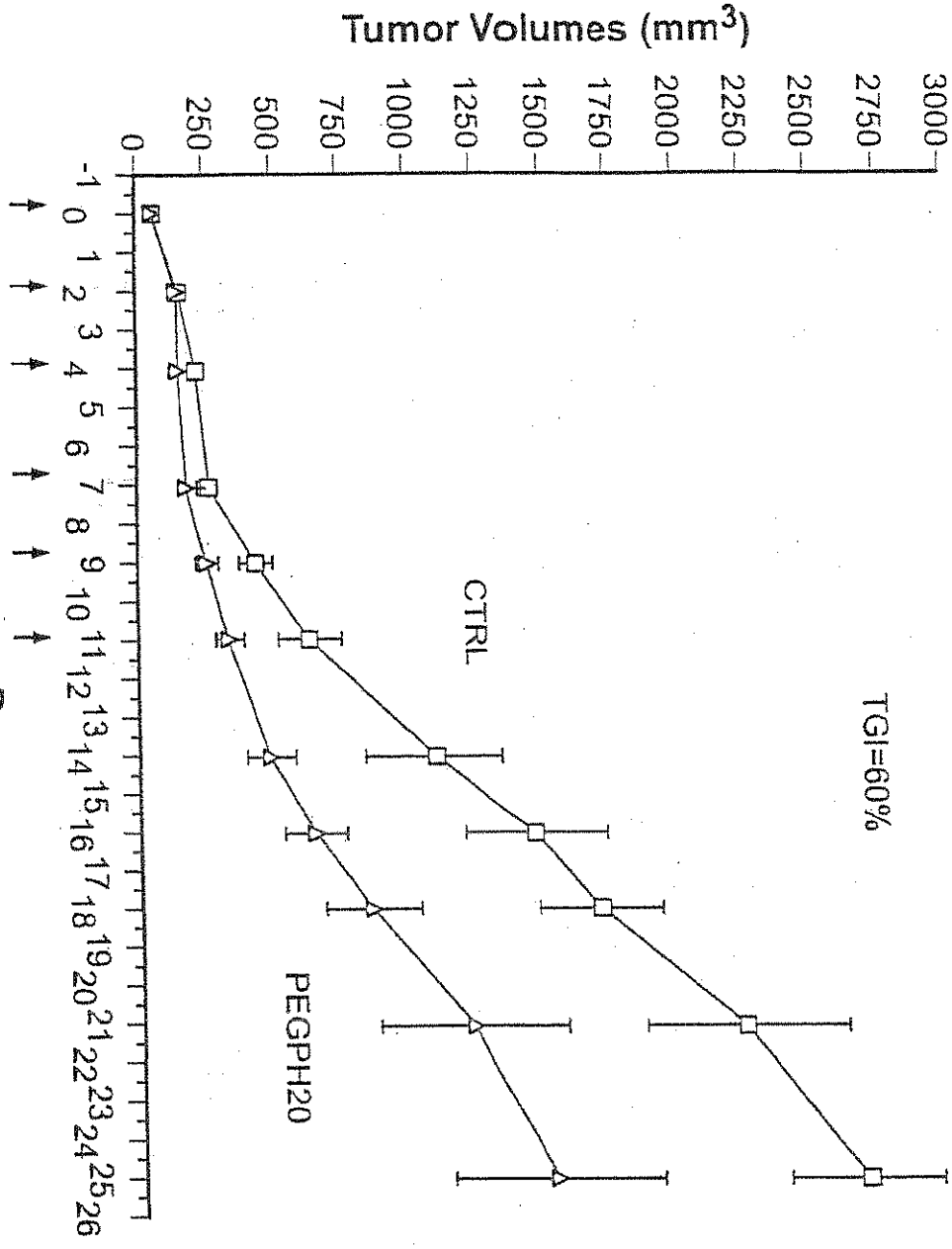

Anti - Tumor effects of PEGrHuPH20 (tumor volume) in 4T1- GFP Breast Cancer (HA ++) Model
Tumor Volumes (mm3)
3000
2750
2500
2250
2000
1750
1500
1250
1000
750
500
250
0
TGI=60%
CTRL
PEGPH20
-1 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
Days
p=0.04 vs CTRL at D14

FIG. 9B

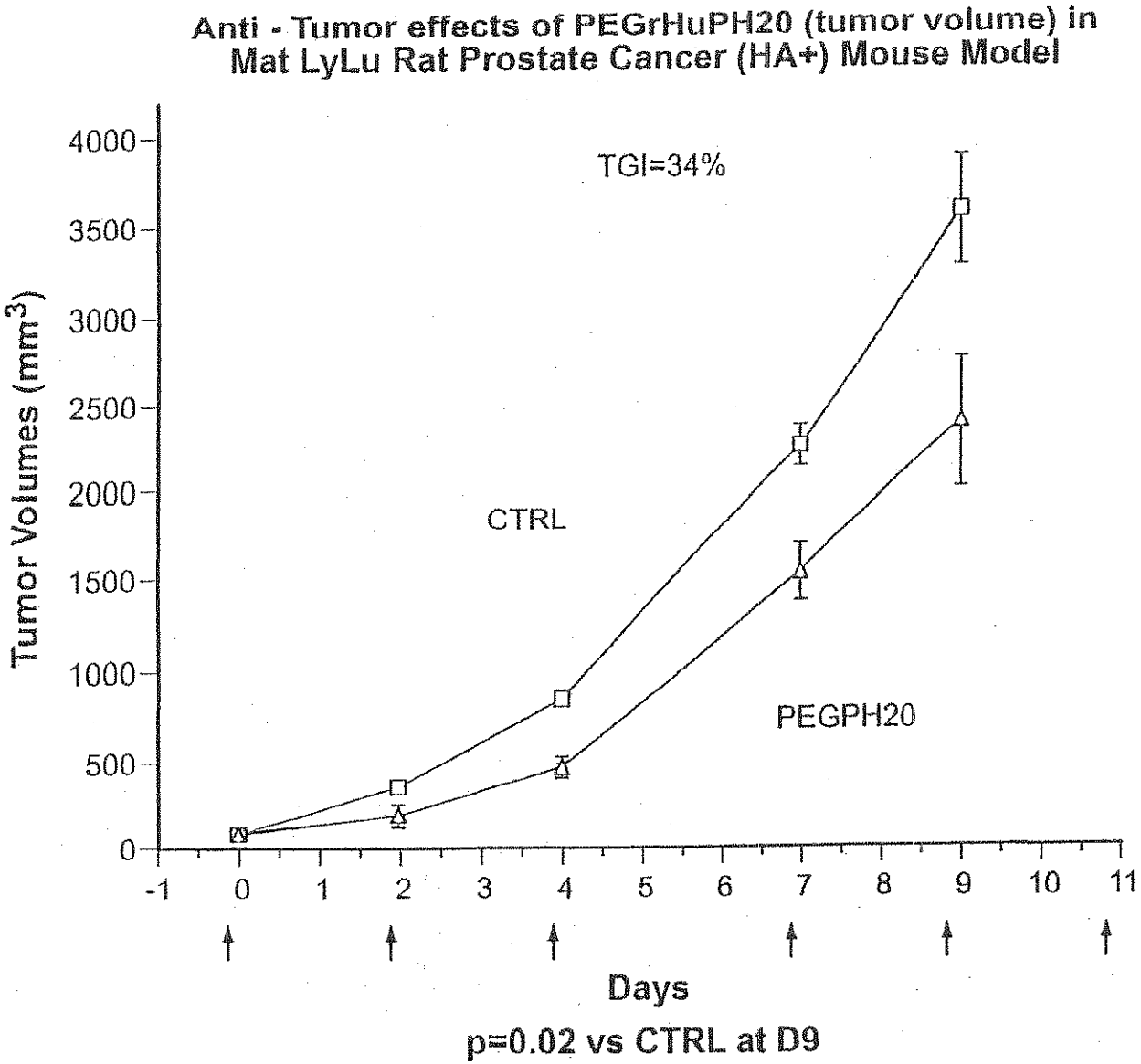
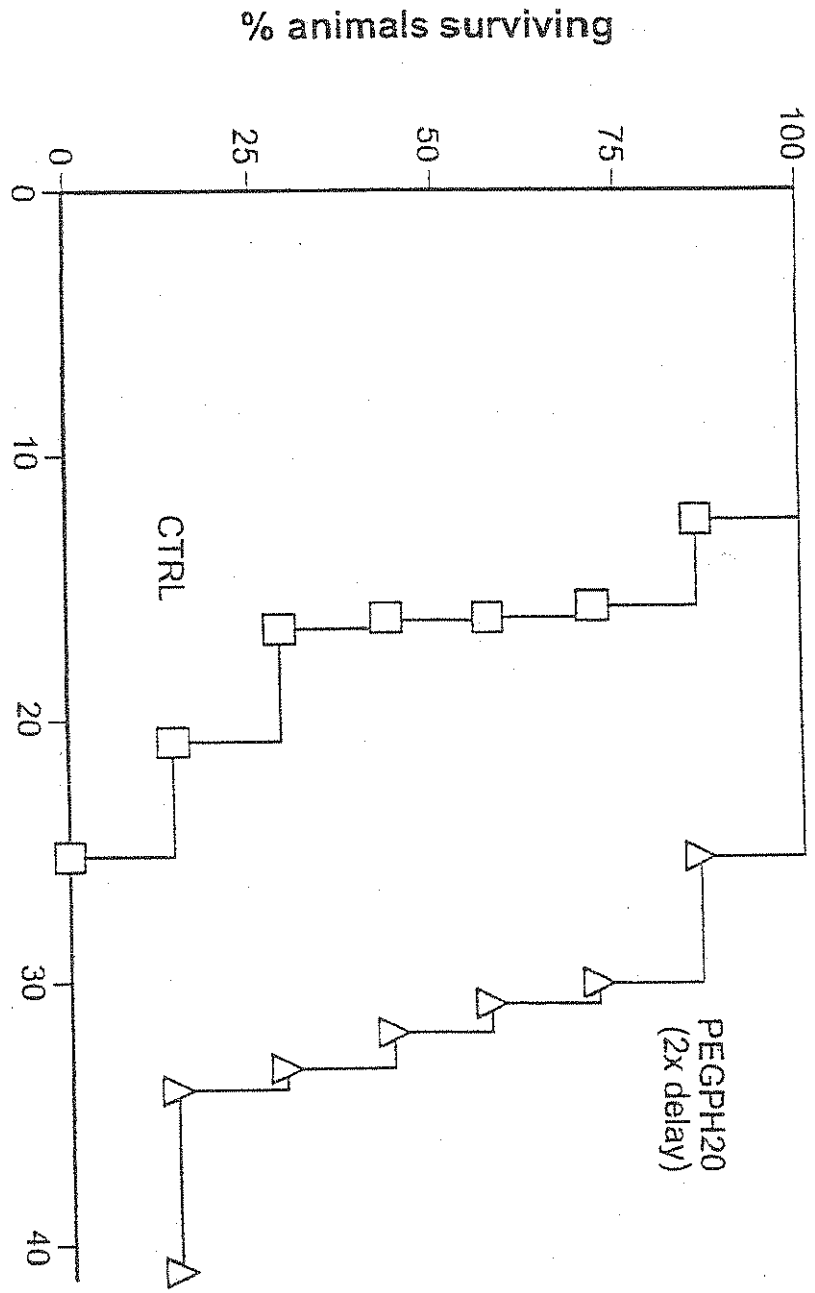

Anti - Tumor effects of PEGrHuPH20 (tumor volume) in
Mat LyLu Rat Prostate Cancer (HA+) Mouse Model
TGI=34%
CTRL
PEGPH20
Tumor Volumes (mm3)
4000
3500
3000
2500
2000
1500
1000
500
0
-1
0
1
2
3
4
5
6
7
8
9
10
11
Days
p=0.02 vs CTRL at D9

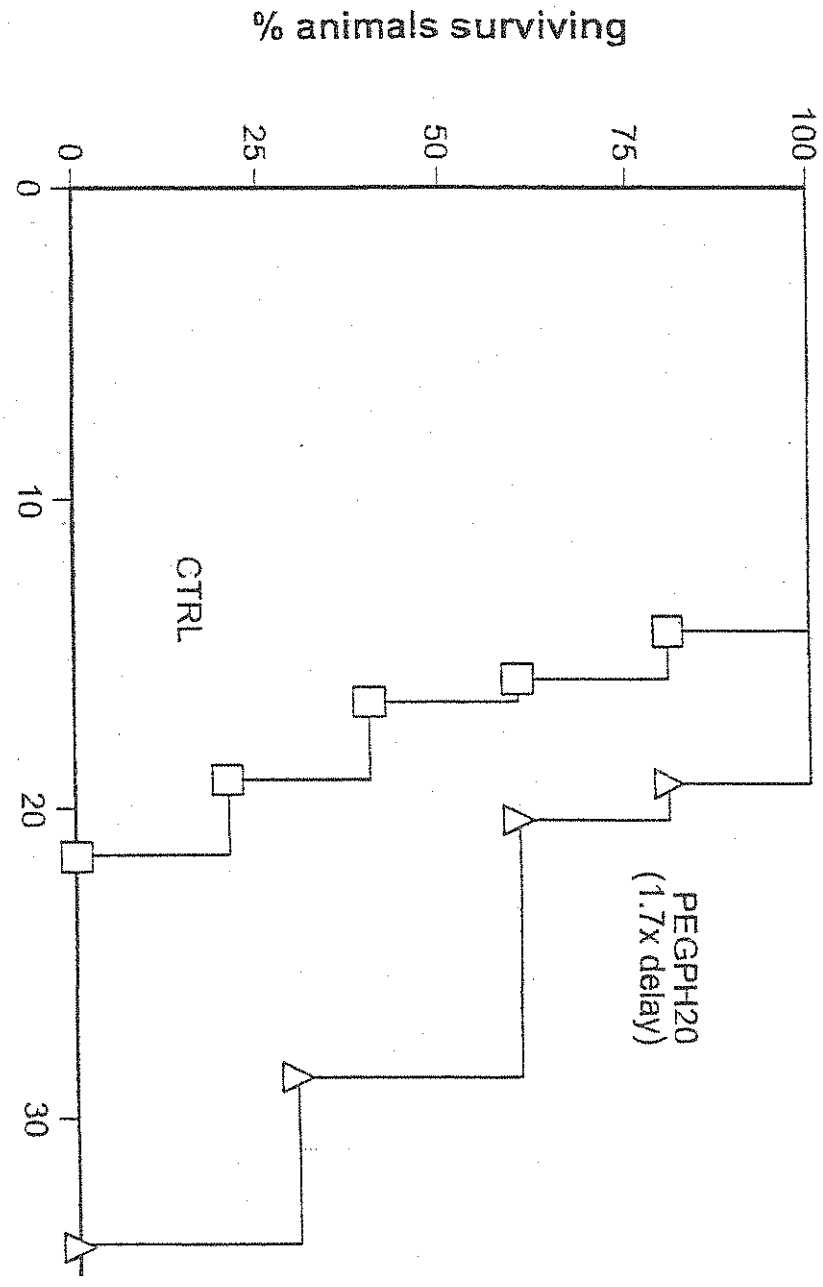
FIG. 9C



Anti-Tumor effects of PEGrHuPH20 (survival) in PC3 Human Prostate Carcinoma (HA^{++++}) Model

Time to 1500 mm^3

FIG. 9D



Anti-Tumor effects of PEGrHuPH20 (survival) in 4T1-GFP Breast Cancer (HA++) Model

Time to 1500 mm^3

FIG. 9E

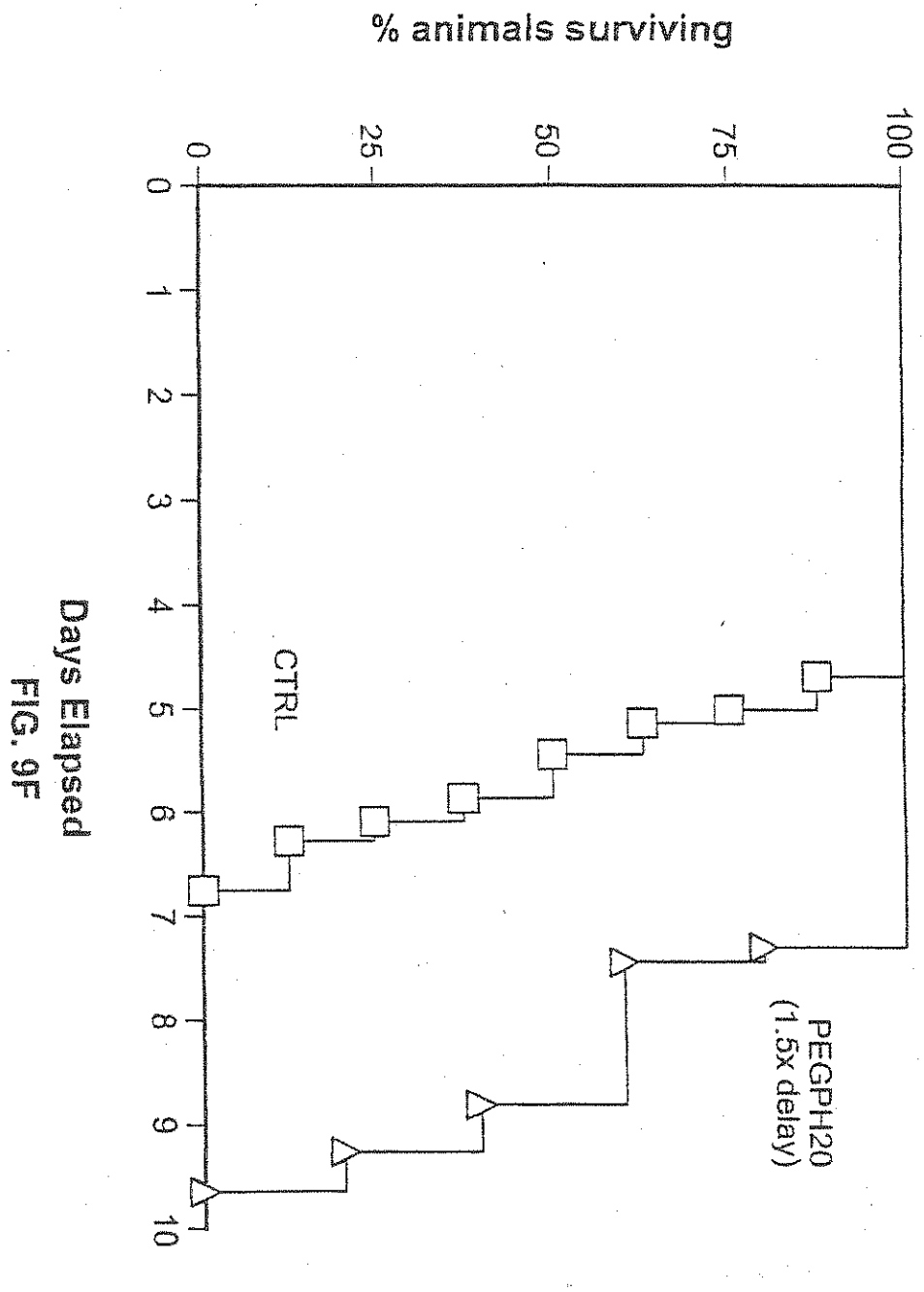

Anti-Tumor effects of PEGrHuPH20 (survival) in
Mat LyLu Rat Prostate Cancer (HA+) Mouse Model
Time to 1500 mm3
% animals surviving
100
75
50
25
0
0
1
2
3
4
5
6
7
8
9
10
PEGPH20
(1.5x delay)
CTRL
Days Elapsed

FIG. 9F

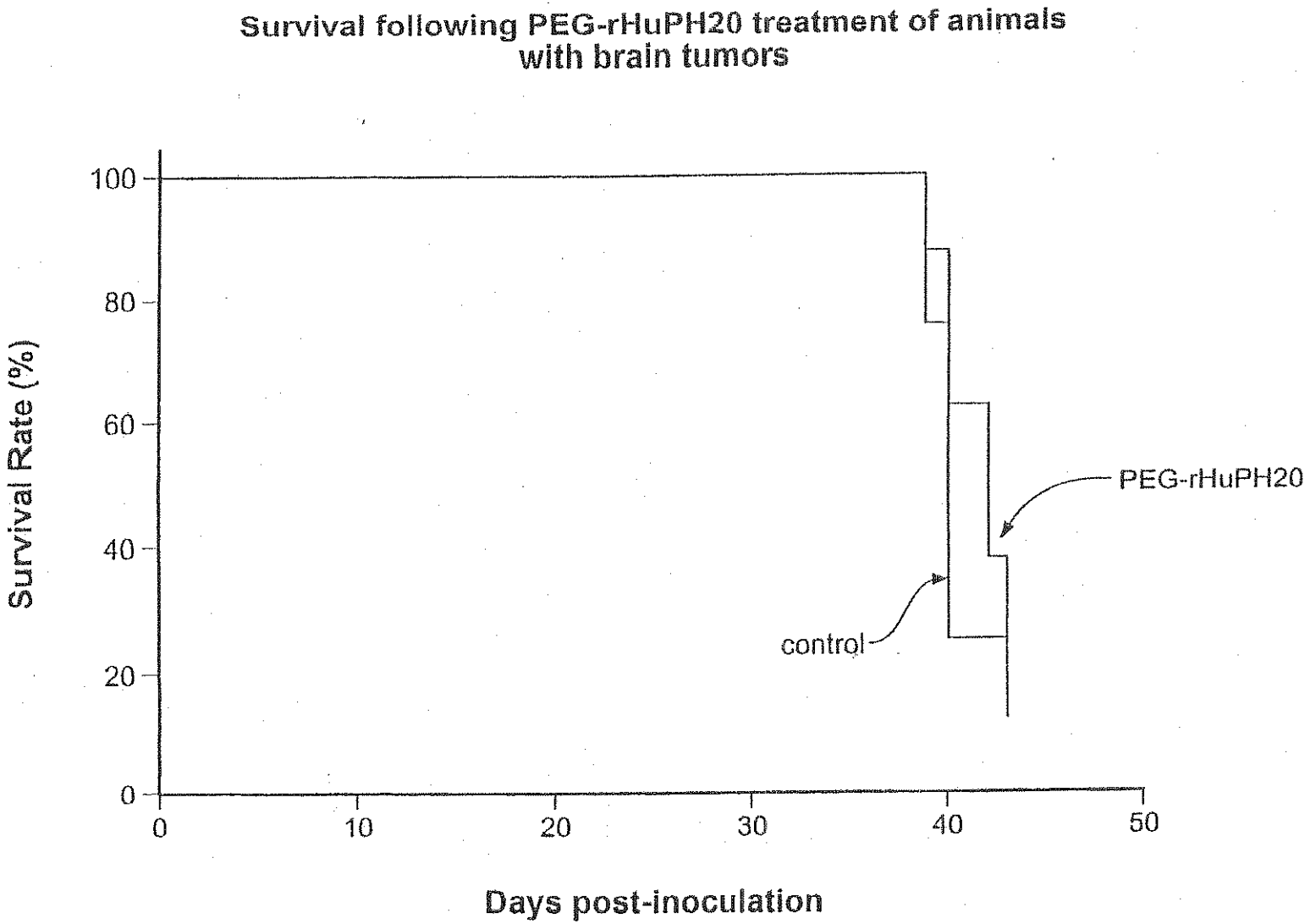
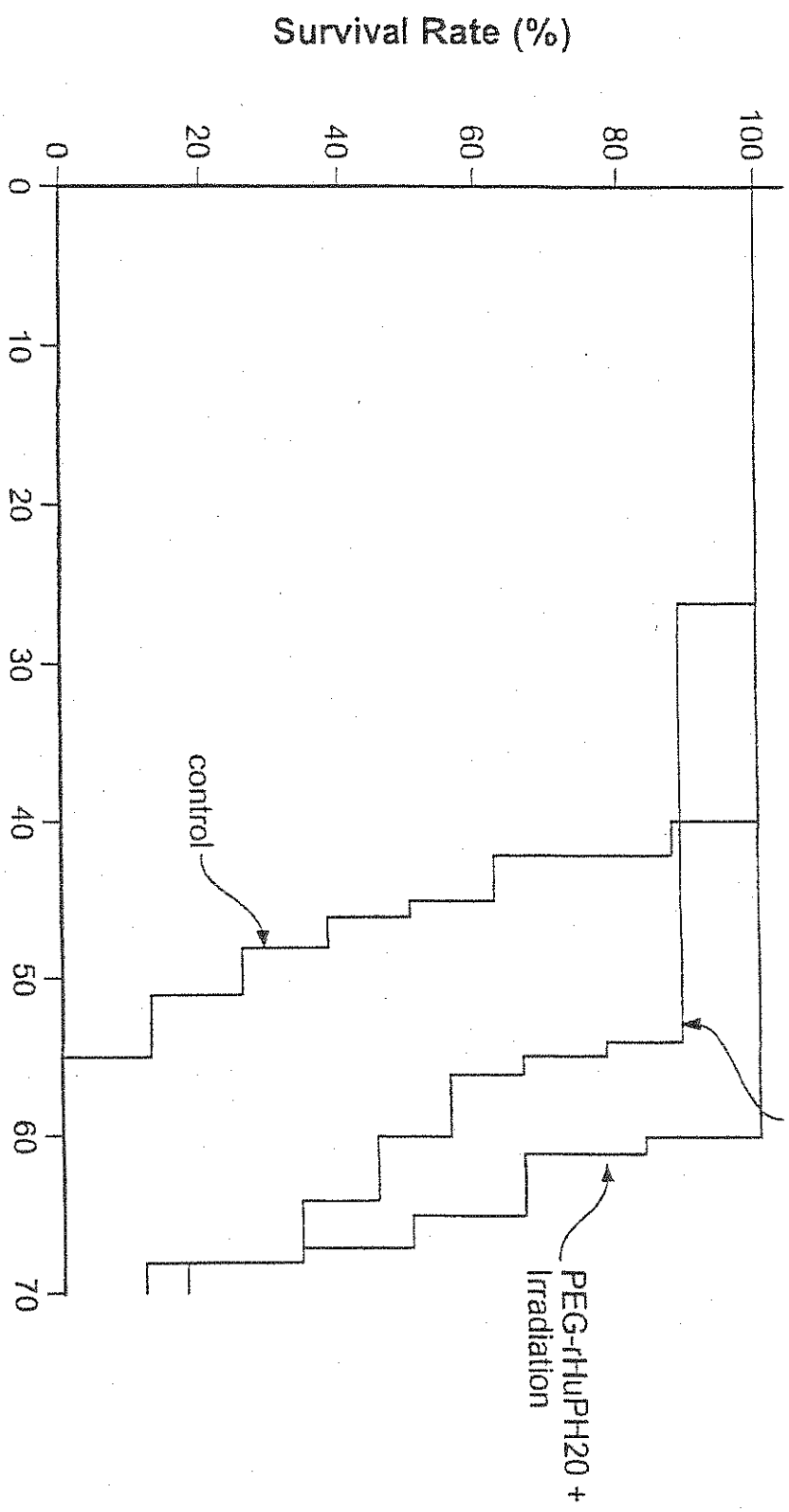

Survival following PEG-rHuPH20 treatment of animals with brain tumors
Survival Rate (%)
100
80
60
40
20
0
0
10
20
30
40
50
Days post-inoculation
PEG-rHuPH20
control

FIG. 10



Survival effects following PEG-rHuPH20 / irradiation combination therapy in animals brain tumor model

FIG. 11

PK Regression Curve Showing Enzymatic Units of hyaluronidase activity over time after single IV injection of 3000 U PEGylated rHuPH20 in mice

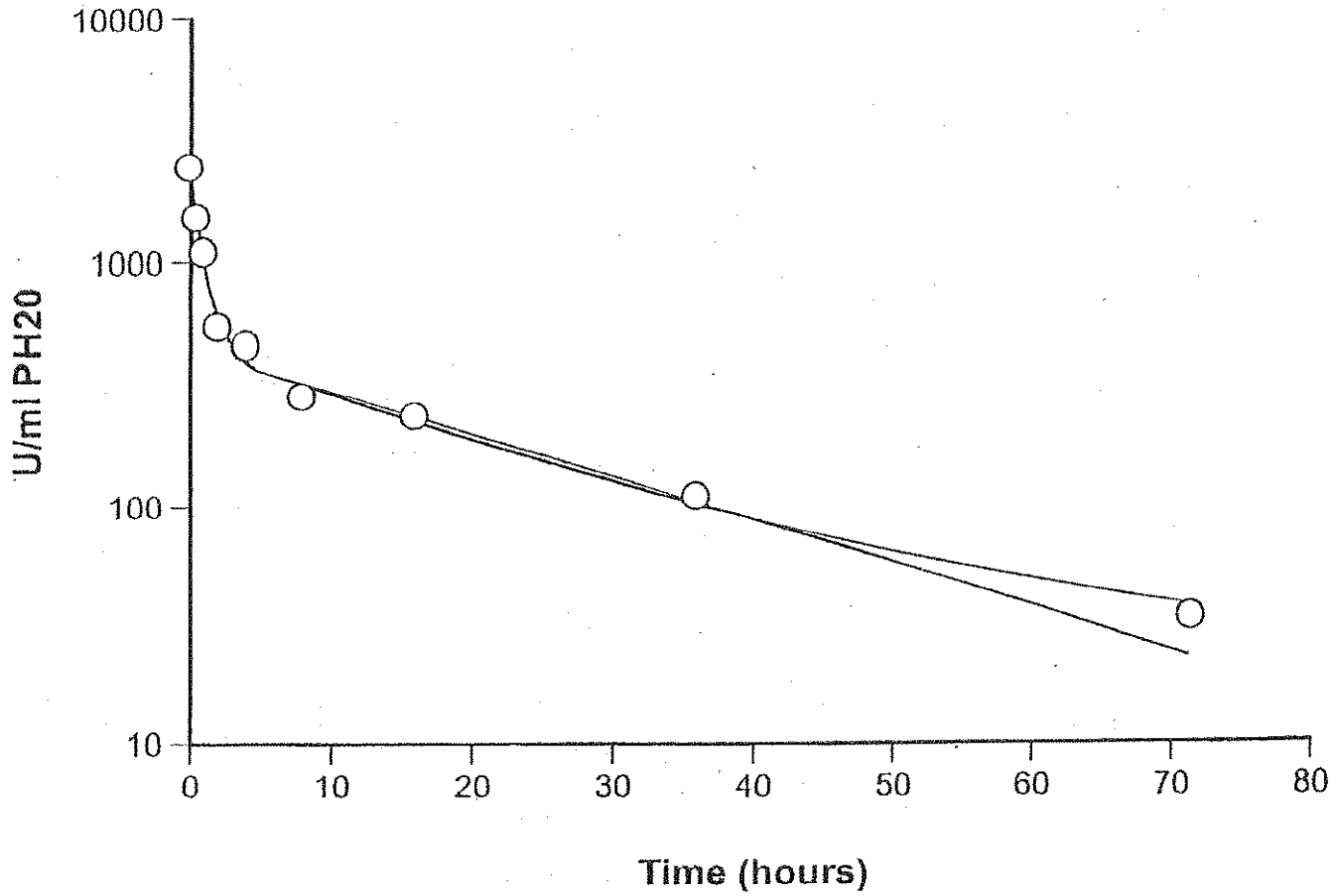


FIG. 12