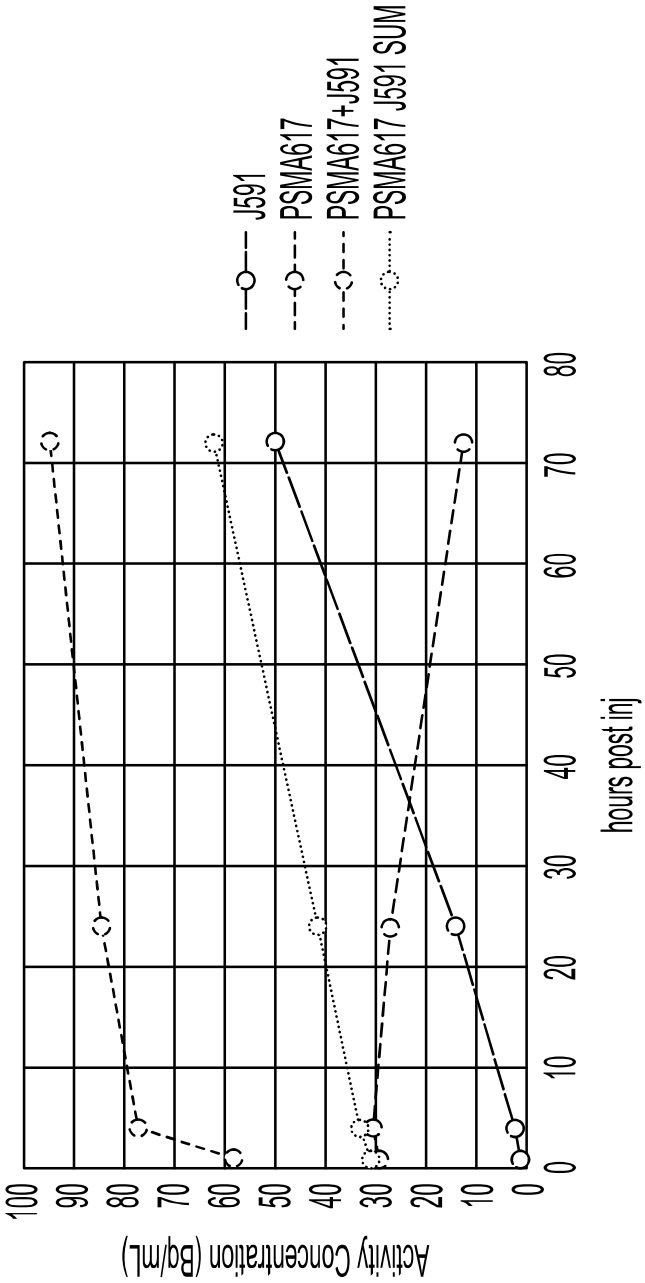

Tumor
Activity Concentration (Bq/mL)
100
90
80
70
60
50
40
30
20
10
0
0
10
20
30
40
50
60
70
80
hours post inj
J591
PSMA617
PSMA617+J591
PSMA617 J591 SUM

FIG. 1

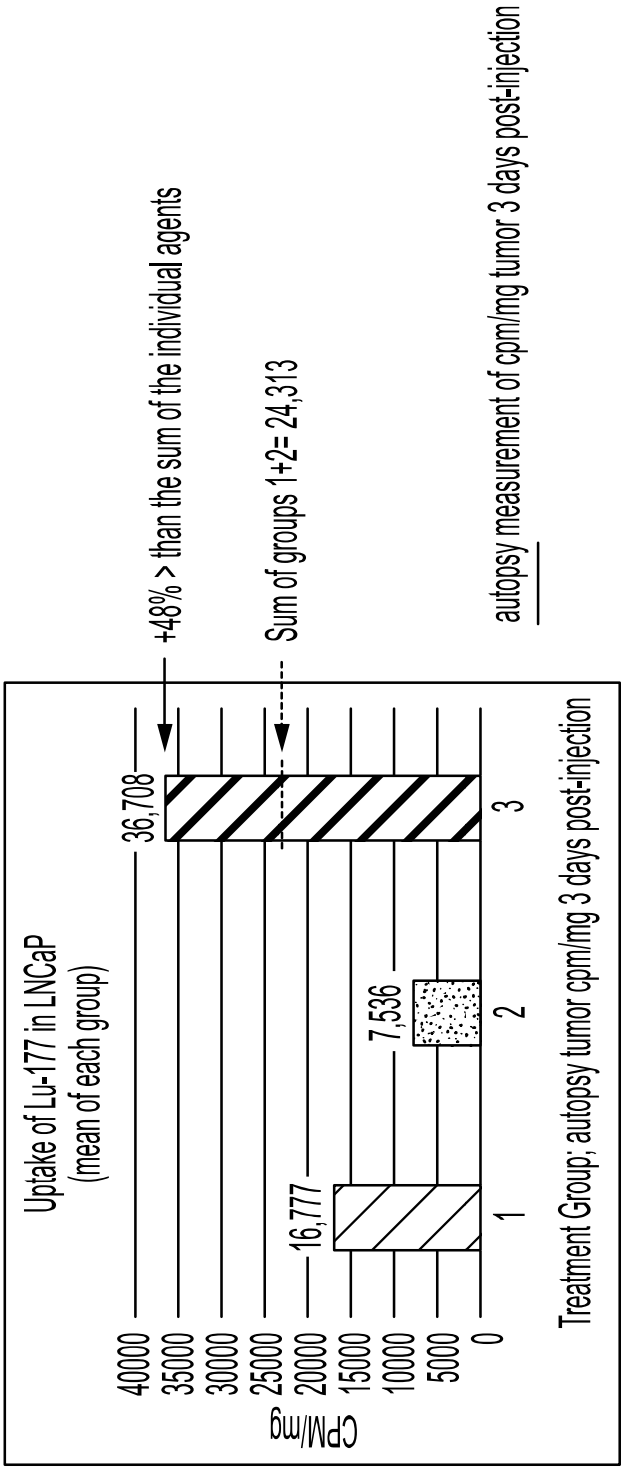

Uptake of Lu-177 in LNCaP
(mean of each group)
CPM/mg
40000
35000
30000
25000
20000
15000
10000
5000
0
36,708
16,777
7,536
1
2
3
+48% > than the sum of the individual agents
Sum of groups 1+2= 24,313
autopsy measurement of cpm/mg tumor 3 days post-injection
Treatment Group; autopsy tumor cpm/mg 3 days post-injection
1= J591-Lu177; 2= 617-Lu177; 3= J591-Lu177 + 617-Lu177

FIG. 2

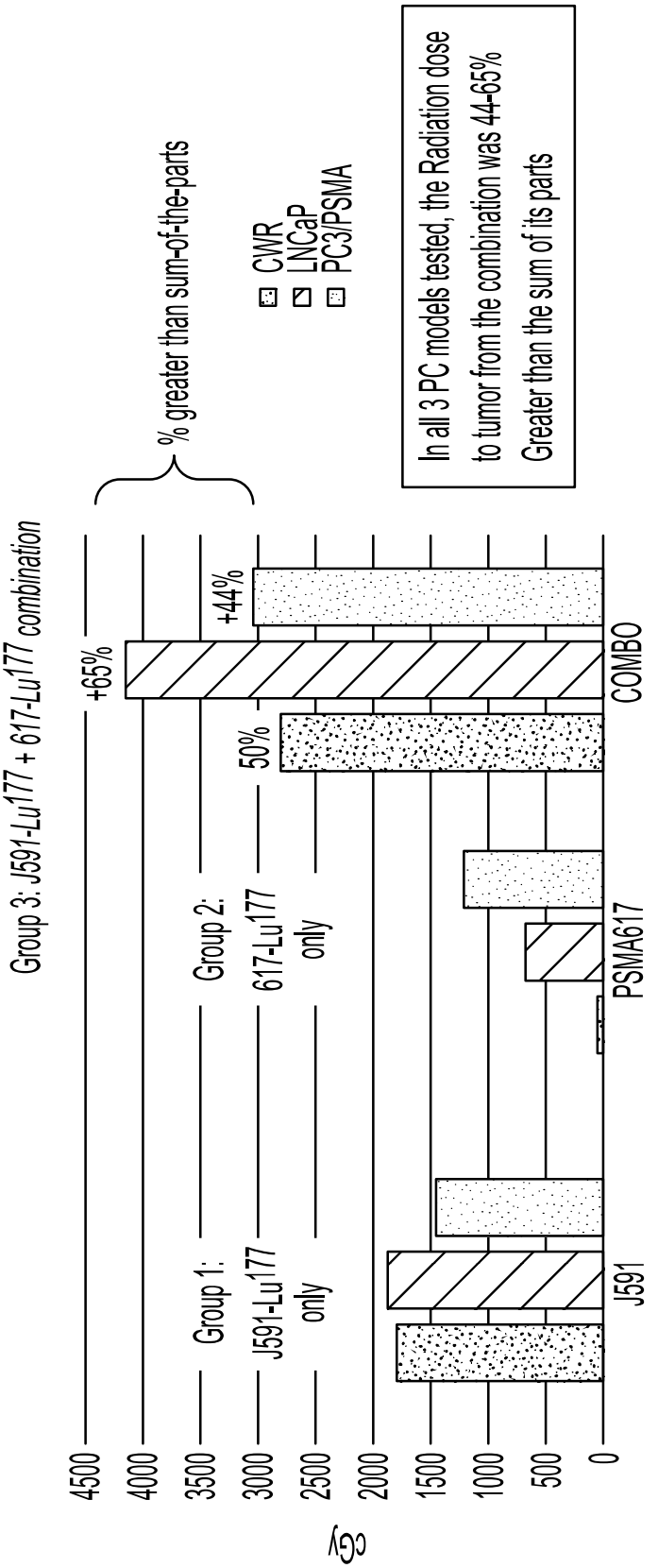

In all 3 PC models tested, the Radiation dose to tumor from the combination was 44-65% Greater than the sum of its parts
CWR
LNCaP
PC3/PSMA
% greater than sum-of-the-parts
Group 3: J591-Lu177 + 617-Lu177 combination
+65%
+44%
50%
Group 1: J591-Lu177 only
Group 2: 617-Lu177 only
J591
PSMA617
COMBO
cGy
4500
4000
3500
3000
2500
2000
1500
1000
500
0

FIG. 3