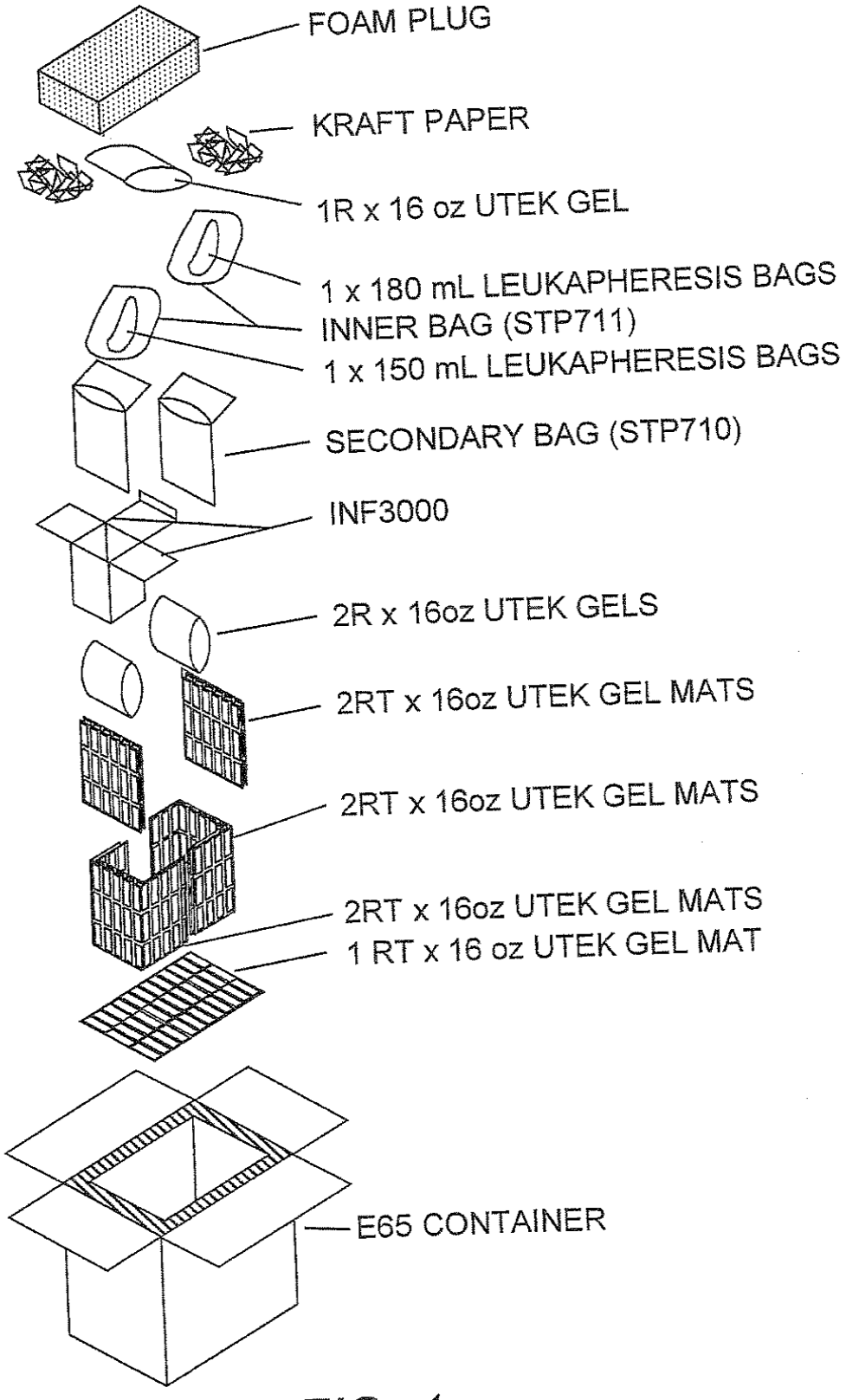

FOAM PLUG
KRAFT PAPER
1R x 16 oz UTEK GEL
1 x 180 mL LEUKAPHERESIS BAGS
INNER BAG (STP711)
1 x 150 mL LEUKAPHERESIS BAGS
SECONDARY BAG (STP710)
INF3000
2R x 16oz UTEK GELS
2RT x 16oz UTEK GEL MATS
2RT x 16oz UTEK GEL MATS
2RT x 16oz UTEK GEL MATS
1 RT x 16 oz UTEK GEL MAT
E65 CONTAINER

FIG. 1

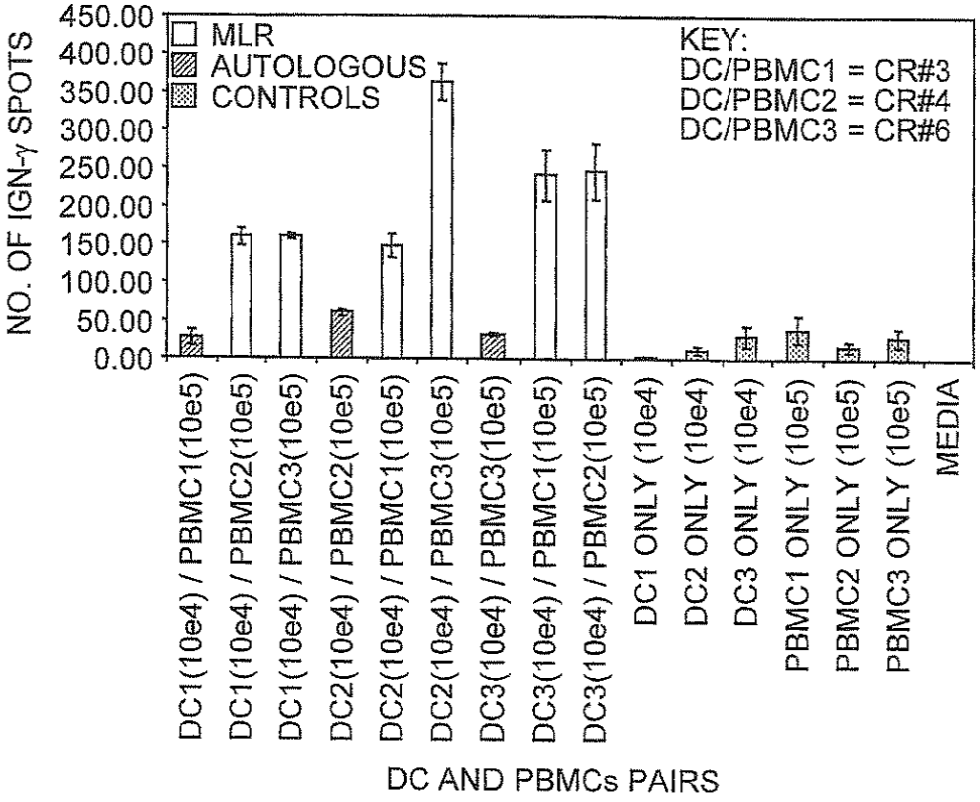

NO. OF IGN-γ SPOTS
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
MLR
AUTOLOGOUS
CONTROLS
KEY:
DC/PBMC1 = CR#3
DC/PBMC2 = CR#4
DC/PBMC3 = CR#6
DC1(10e4) / PBMC1(10e5)
DC1(10e4) / PBMC2(10e5)
DC1(10e4) / PBMC3(10e5)
DC2(10e4) / PBMC2(10e5)
DC2(10e4) / PBMC1(10e5)
DC2(10e4) / PBMC3(10e5)
DC3(10e4) / PBMC3(10e5)
DC3(10e4) / PBMC1(10e5)
DC3(10e4) / PBMC2(10e5)
DC1 ONLY (10e4)
DC2 ONLY (10e4)
DC3 ONLY (10e4)
PBMC1 ONLY (10e5)
PBMC2 ONLY (10e5)
PBMC3 ONLY (10e5)
MEDIA
DC AND PBMCs PAIRS

FIG. 2

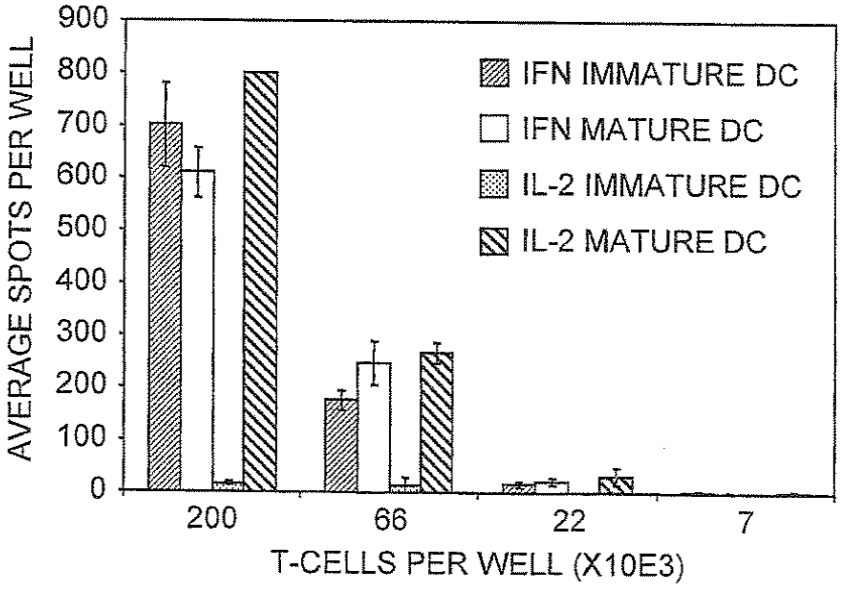

AVERAGE SPOTS PER WELL
900
800
700
600
500
400
300
200
100
0
IFN IMMATURE DC
IFN MATURE DC
IL-2 IMMATURE DC
IL-2 MATURE DC
200
66
22
7
T-CELLS PER WELL (X10E3)

FIG. 3

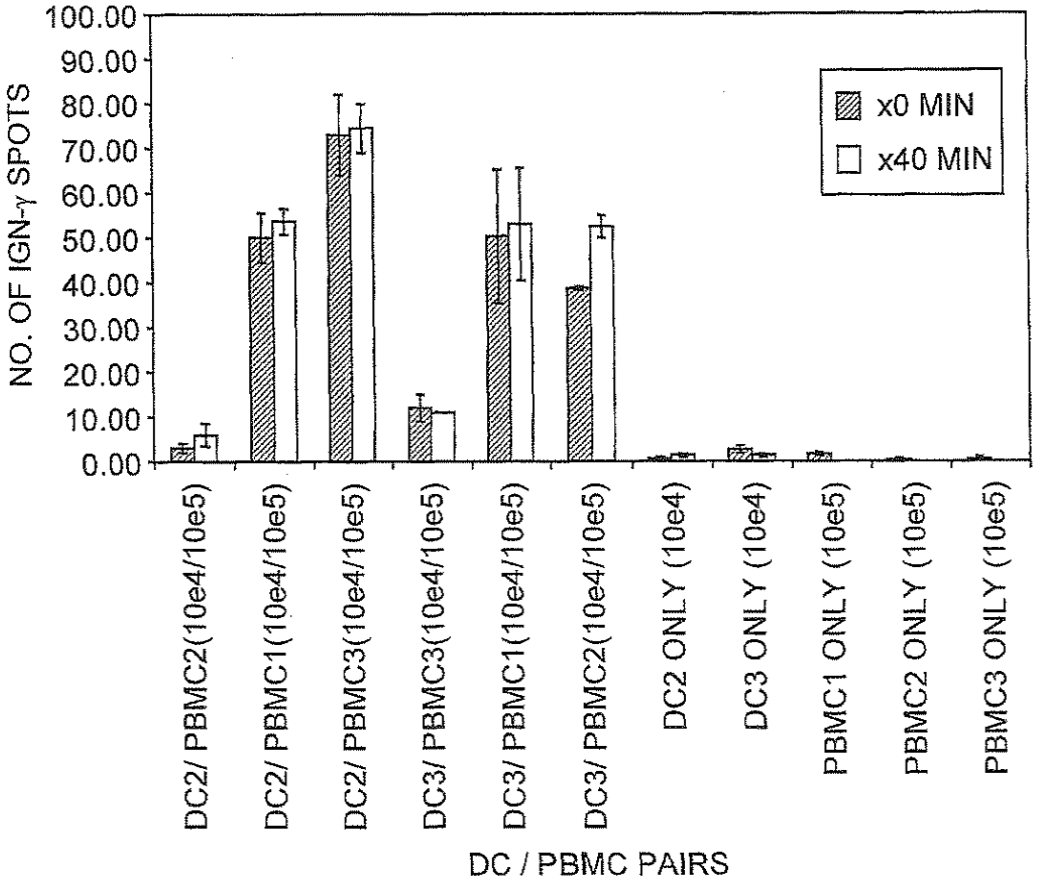

100.00
90.00
80.00
70.00
60.00
50.00
40.00
30.00
20.00
10.00
0.00
NO. OF IGN-γ SPOTS
x0 MIN
x40 MIN
DC2/ PBMC2(10e4/10e5)
DC2/ PBMC1(10e4/10e5)
DC2/ PBMC3(10e4/10e5)
DC3/ PBMC3(10e4/10e5)
DC3/ PBMC1(10e4/10e5)
DC3/ PBMC2(10e4/10e5)
DC2 ONLY (10e4)
DC3 ONLY (10e4)
PBMC1 ONLY (10e5)
PBMC2 ONLY (10e5)
PBMC3 ONLY (10e5)
DC / PBMC PAIRS

FIG. 4

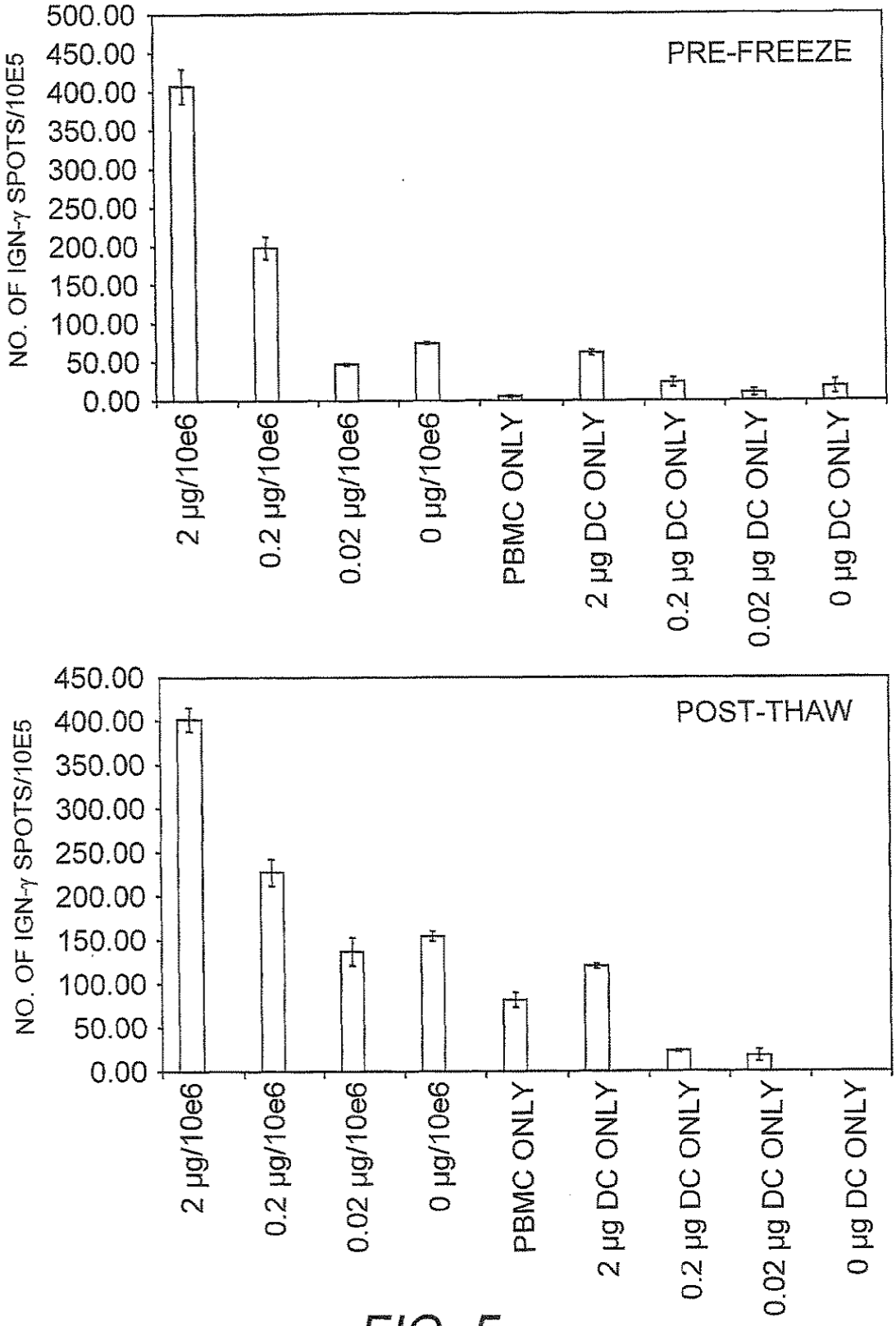

PRE-FREEZE
NO. OF IGN-γ SPOTS/10E5
500.00
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
2 µg/10e6
0.2 µg/10e6
0.02 µg/10e6
0 µg/10e6
PBMC ONLY
2 µg DC ONLY
0.2 µg DC ONLY
0.02 µg DC ONLY
0 µg DC ONLY
POST-THAW
NO. OF IGN-γ SPOTS/10E5
450.00
400.00
350.00
300.00
250.00
200.00
150.00
100.00
50.00
0.00
2 µg/10e6
0.2 µg/10e6
0.02 µg/10e6
0 µg/10e6
PBMC ONLY
2 µg DC ONLY
0.2 µg DC ONLY
0.02 µg DC ONLY
0 µg DC ONLY

FIG. 5

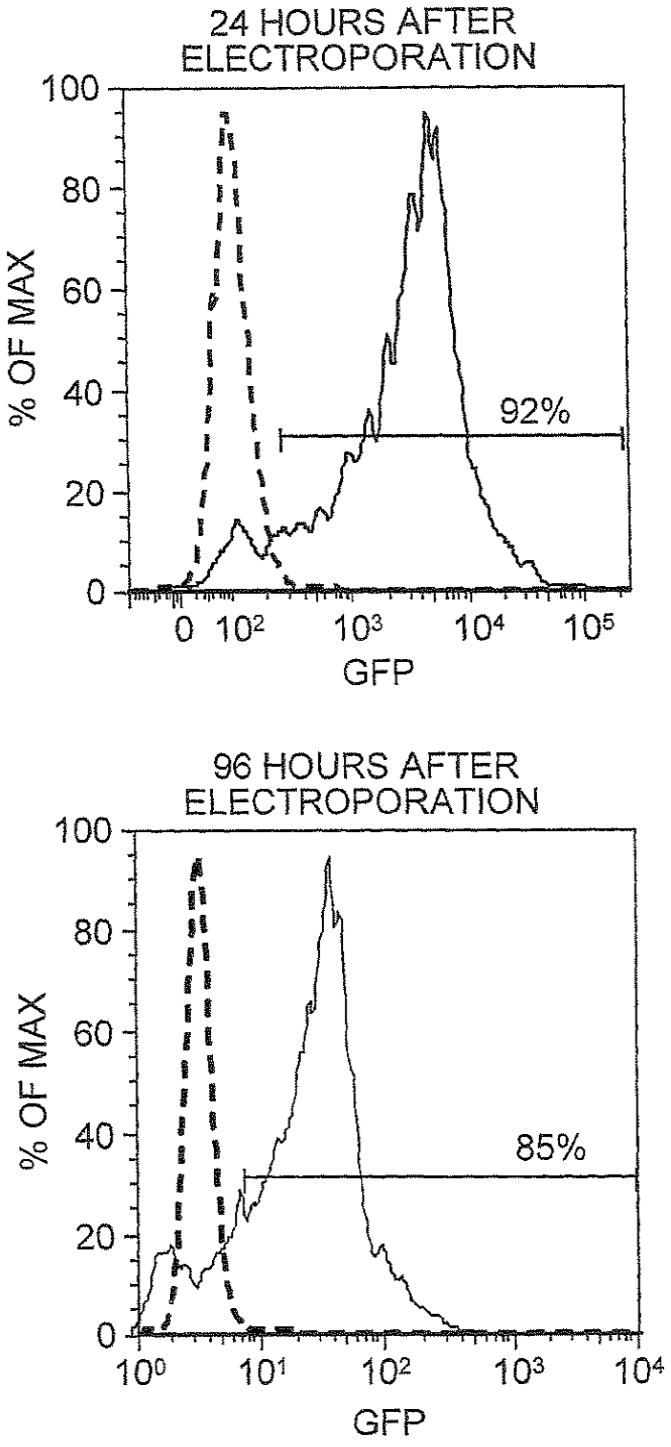

24 HOURS AFTER ELECTROPORATION
100
80
60
40
20
0
% OF MAX
92%
0
10^2
10^3
10^4
10^5
GFP
96 HOURS AFTER ELECTROPORATION
100
80
60
40
20
0
% OF MAX
85%
10^0
10^1
10^2
10^3
10^4
GFP

FIG. 6

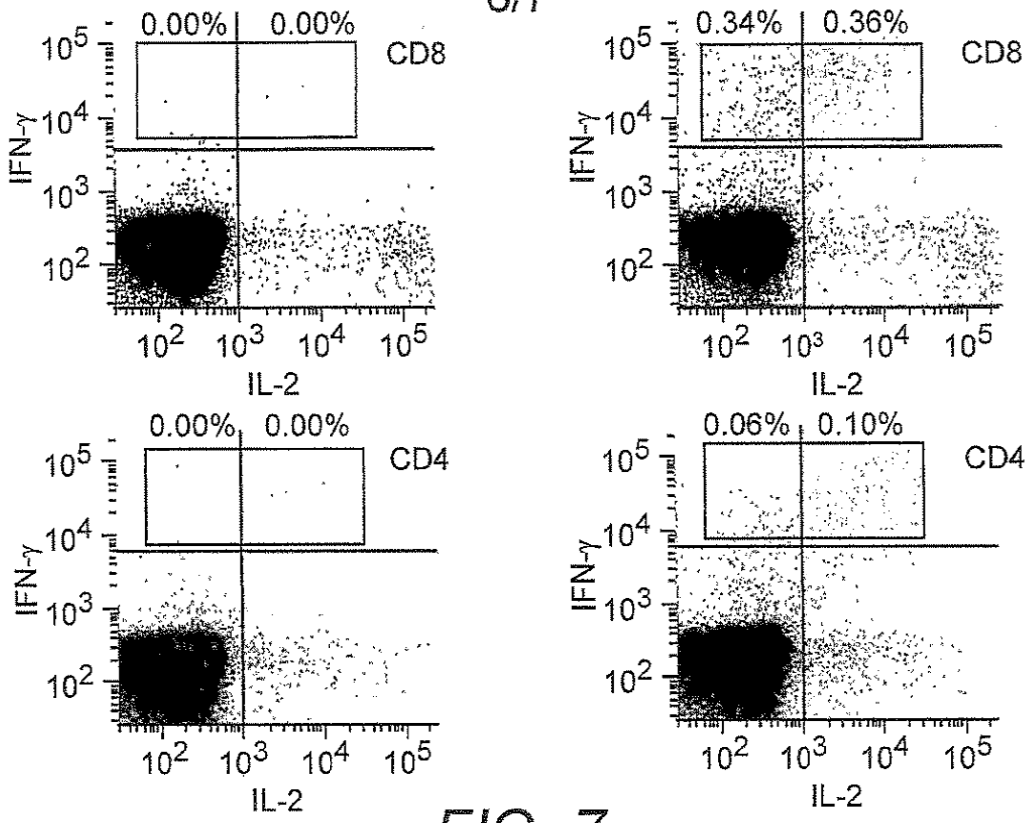

0.00%
0.00%
CD8
IFN-γ
IL-2
0.34%
0.36%
CD8
IFN-γ
IL-2
0.00%
0.00%
CD4
IFN-γ
IL-2
0.06%
0.10%
CD4
IFN-γ
IL-2

FIG. 7

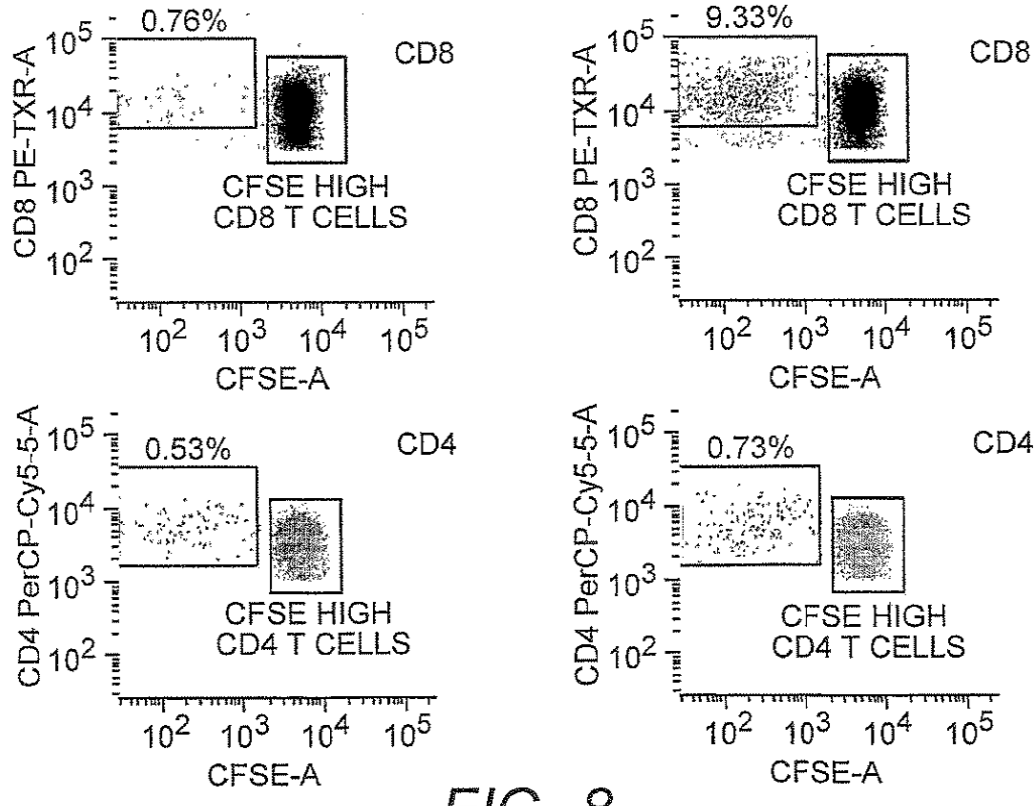

0.76%
CD8
CD8 PE-TXR-A
CFSE HIGH
CD8 T CELLS
CFSE-A
9.33%
CD8
CD8 PE-TXR-A
CFSE HIGH
CD8 T CELLS
CFSE-A
0.53%
CD4
CD4 PerCP-Cy5-5-A
CFSE HIGH
CD4 T CELLS
CFSE-A
0.73%
CD4
CD4 PerCP-Cy5-5-A
CFSE HIGH
CD4 T CELLS
CFSE-A

FIG. 8

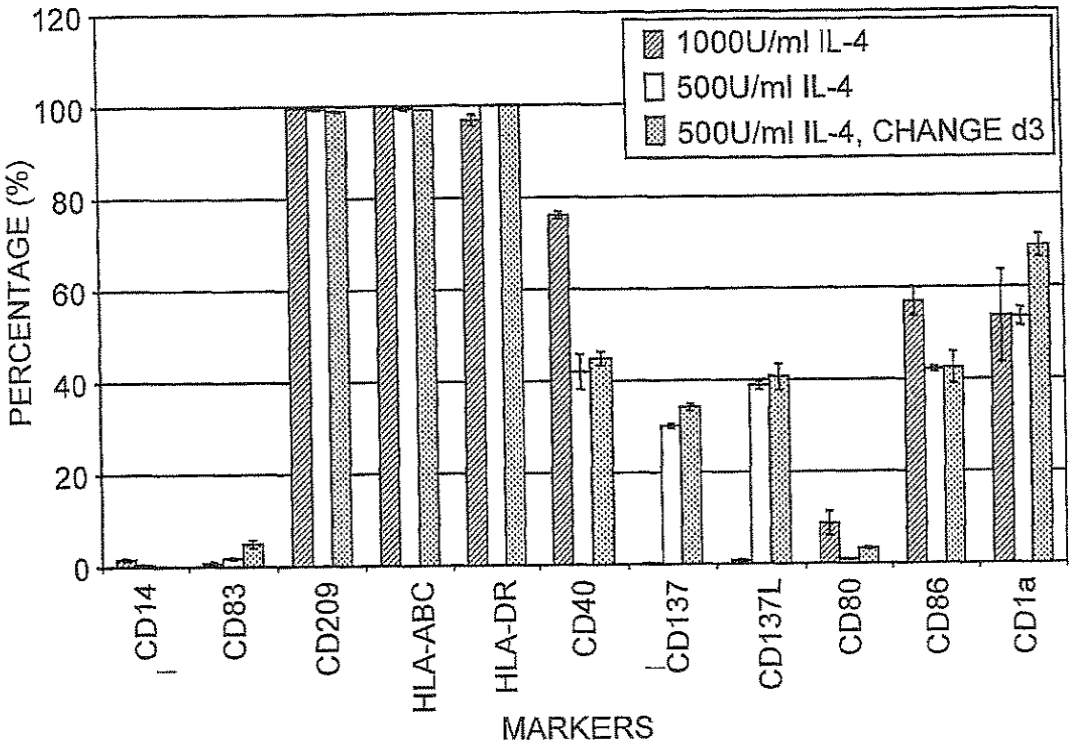

1000U/ml IL-4
500U/ml IL-4
500U/ml IL-4, CHANGE d3
PERCENTAGE (%)
120
100
80
60
40
20
0
CD14
CD83
CD209
HLA-ABC
HLA-DR
CD40
CD137
CD137L
CD80
CD86
CD1a
MARKERS

FIG. 9

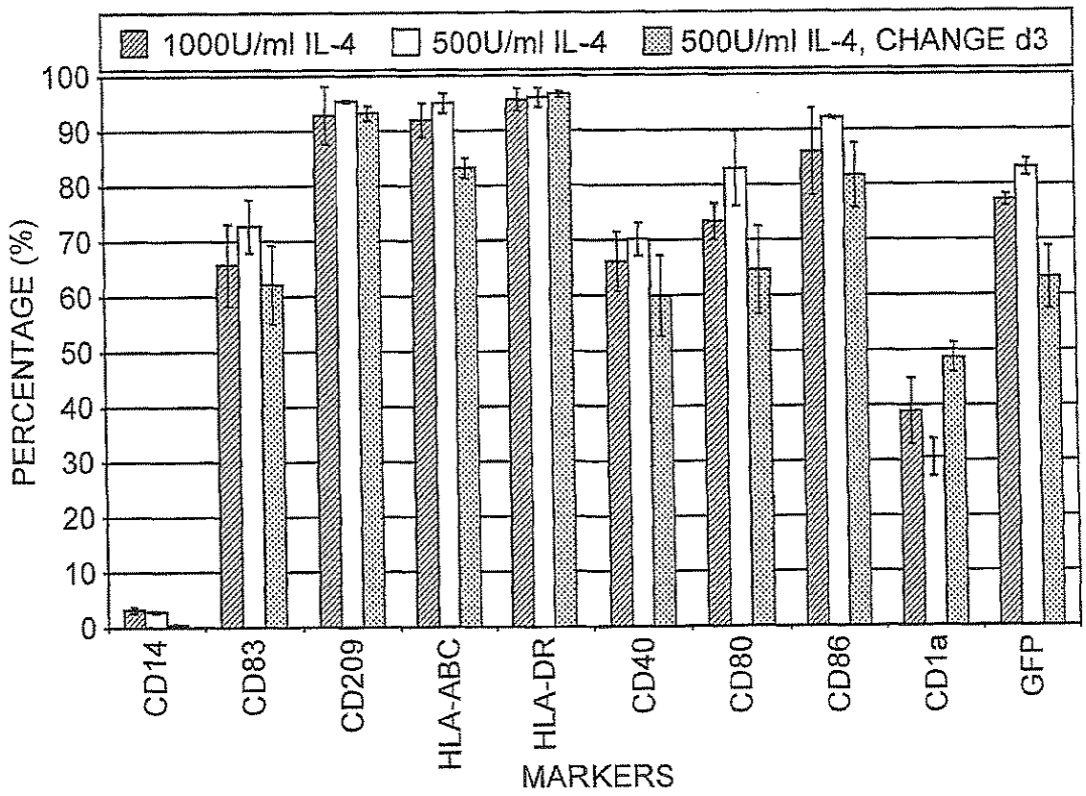

1000U/ml IL-4
500U/ml IL-4
500U/ml IL-4, CHANGE d3
PERCENTAGE (%)
100
90
80
70
60
50
40
30
20
10
0
CD14
CD83
CD209
HLA-ABC
HLA-DR
CD40
CD80
CD86
CD1a
GFP
MARKERS

FIG. 10