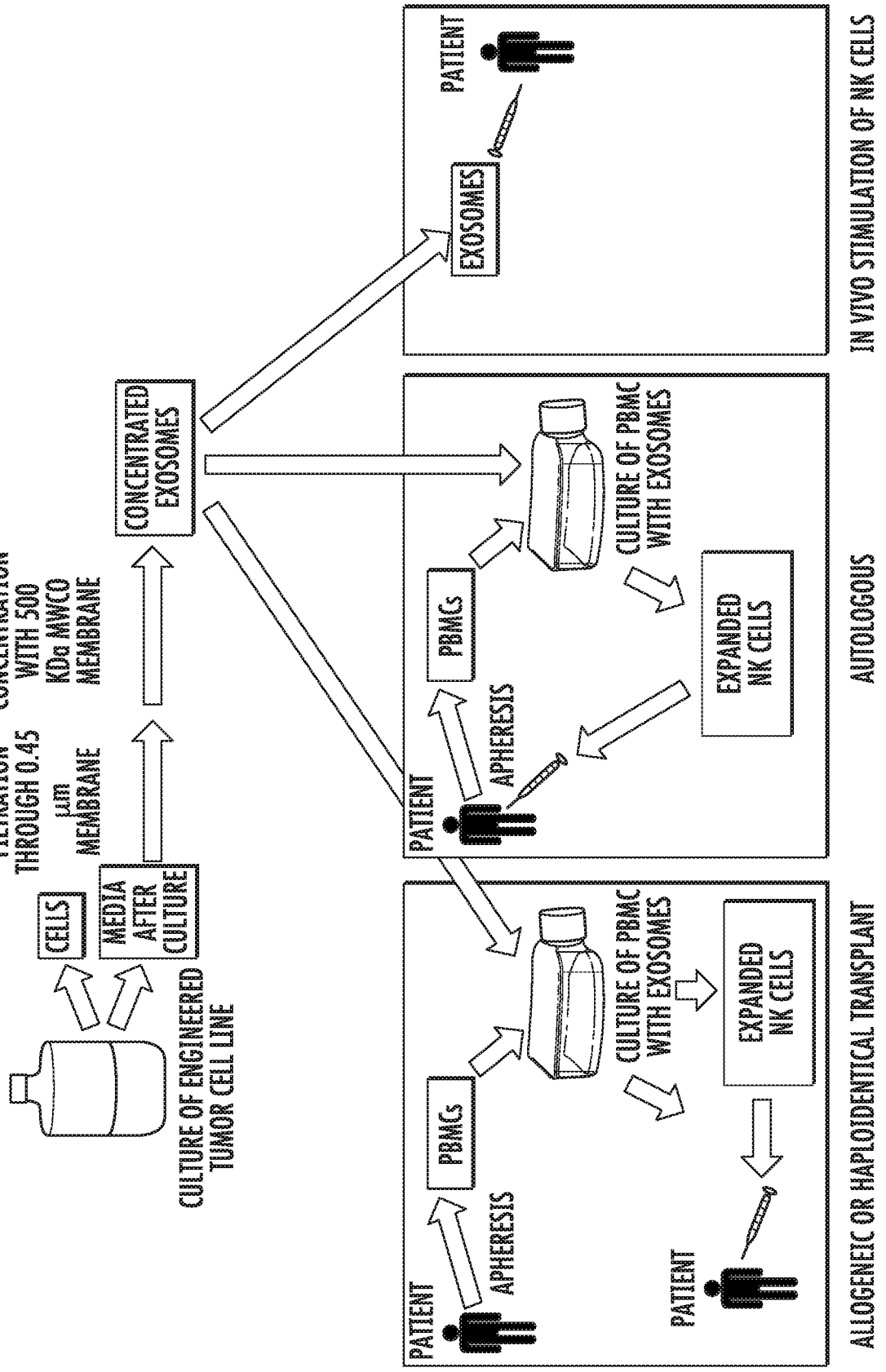

CULTURE OF ENGINEERED TUMOR CELL LINE
CELLS
MEDIA AFTER CULTURE
FILTRATION THROUGH 0.45 µm MEMBRANE
CONCENTRATION WITH 500 KDa MWCO MEMBRANE
CONCENTRATED EXOSOMES
PATIENT
EXOSOMES
IN VIVO STIMULATION OF NK CELLS
PATIENT
APHERESIS
PBMCs
CULTURE OF PBMC WITH EXOSOMES
EXPANDED NK CELLS
AUTOLOGOUS
PATIENT
APHERESIS
PBMCs
CULTURE OF PBMC WITH EXOSOMES
EXPANDED NK CELLS
PATIENT
ALLOGENEIC OR HAPLOIDENTICAL TRANSPLANT

FIG. 1

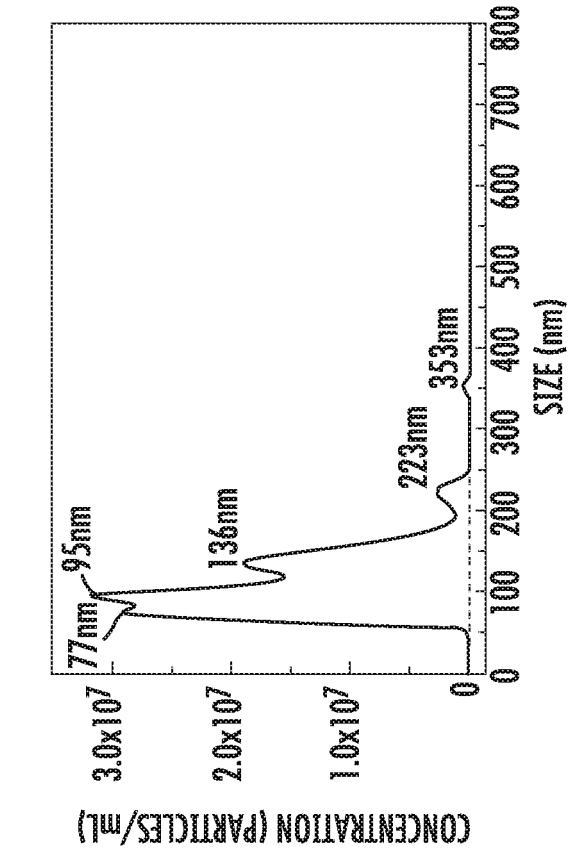

CONCENTRATION (PARTICLES/mL)
3.0x10^7
2.0x10^7
1.0x10^7
0
0
100
200
300
400
500
600
700
800
SIZE (nm)
77nm
95nm
136nm
223nm
353nm

FIG. 2B

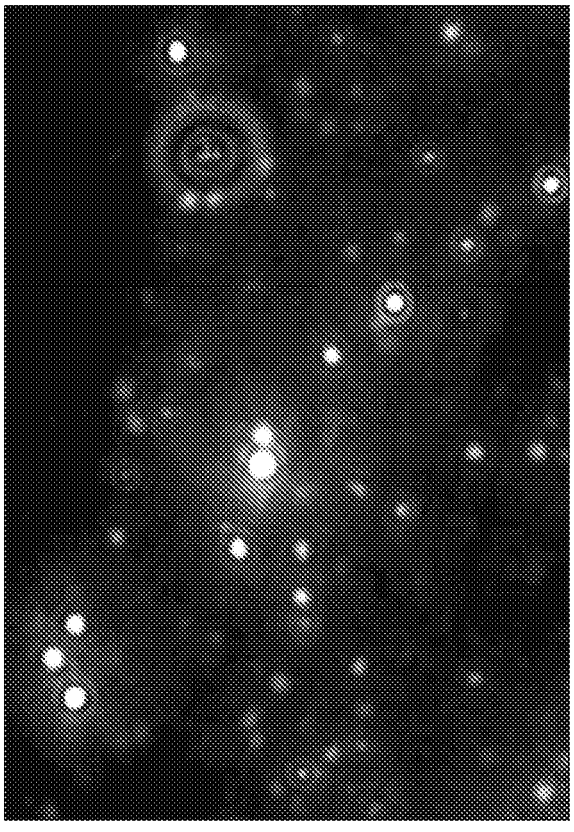


FIG. 2A

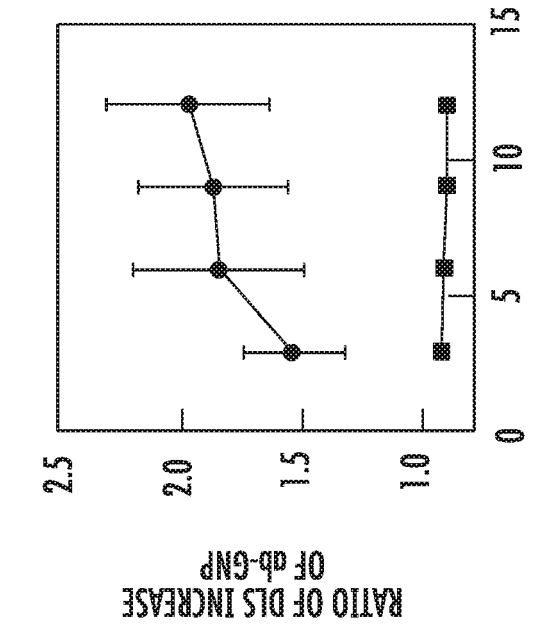

RATIO OF DLS INCREASE OF db-GNP
2.5
2.0
1.5
1.0
0
5
10
15
TIME (min)

FIG. 2D

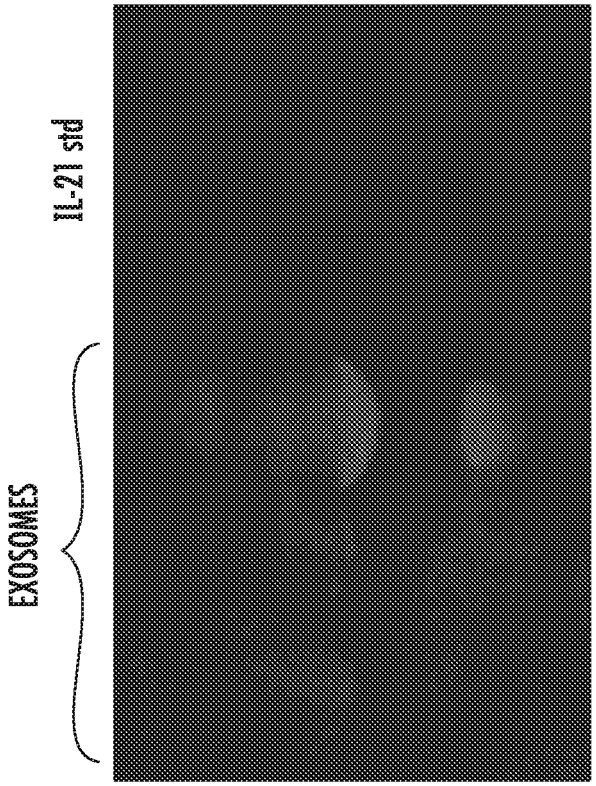

EXOSOMES
IL-21 std

FIG. 2C

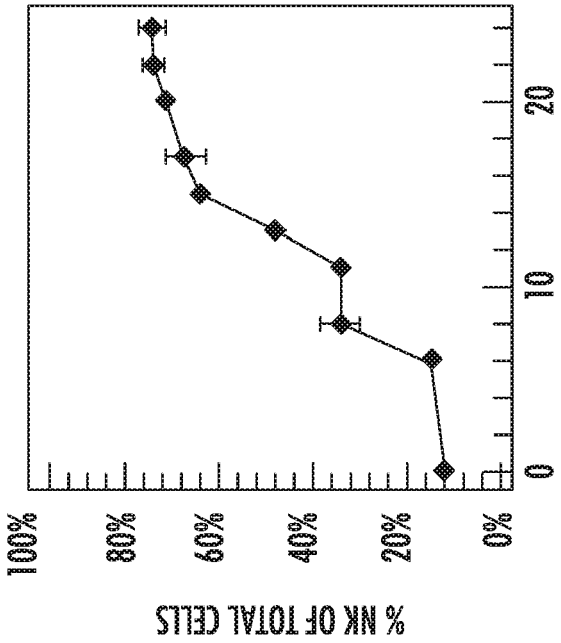

100%
80%
60%
40%
20%
0%
% NK OF TOTAL CELLS
0
10
20
DAYS IN CULTURE

FIG. 3B

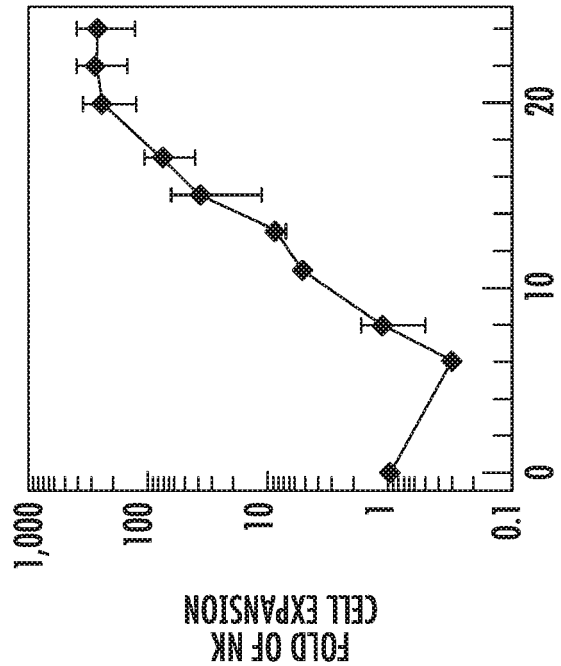

1,000
100
10
1
0.1
FOLD OF NK
CELL EXPANSION
0
10
20
DAYS IN CULTURE

FIG. 3A

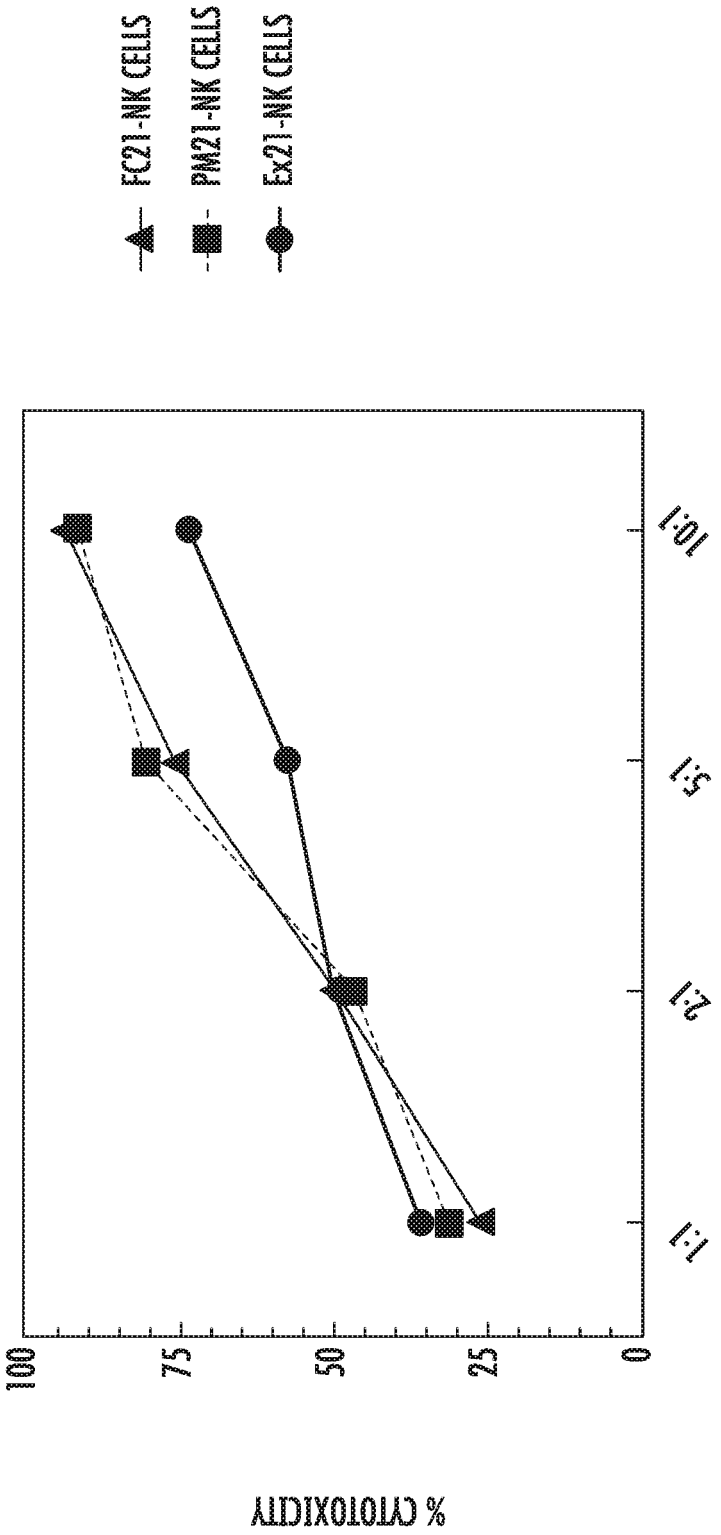

FC21-NK CELLS
PM21-NK CELLS
Ex21-NK CELLS
% CYTOTOXICITY
100
75
50
25
0
1:1
1:2
1:5
1:10
E:T RADIO

FIG. 4

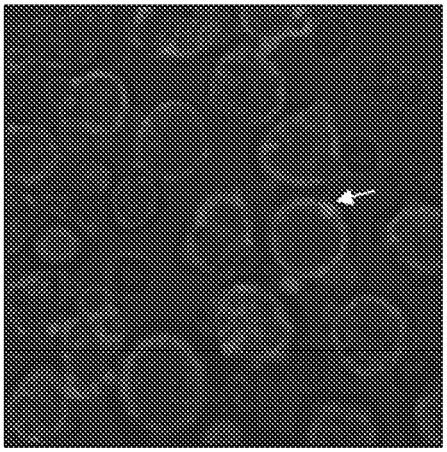


FIG. 5A

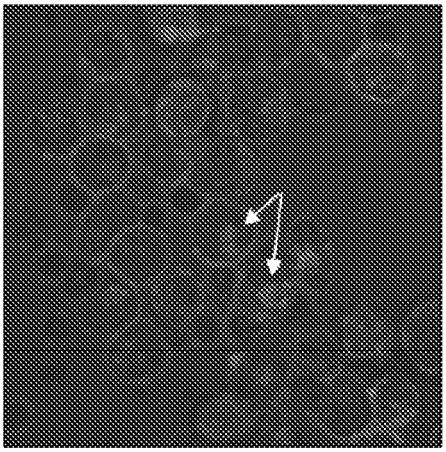


FIG. 5B

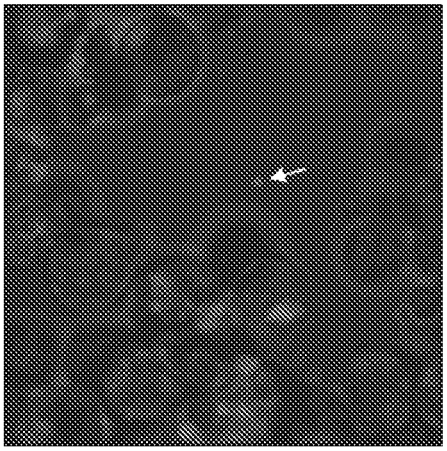


FIG. 5C

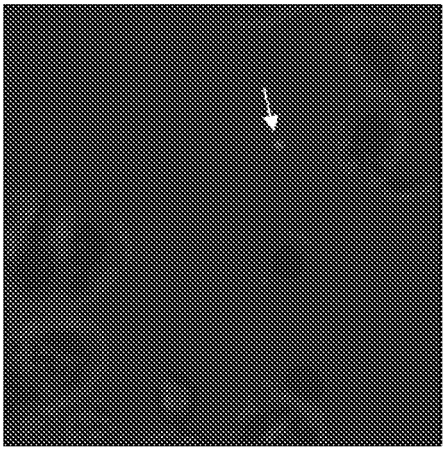


FIG. 5D

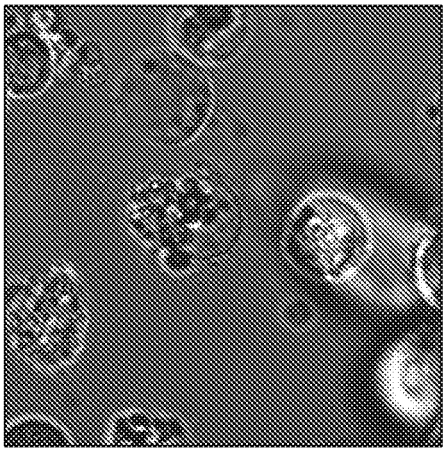


FIG. 5E