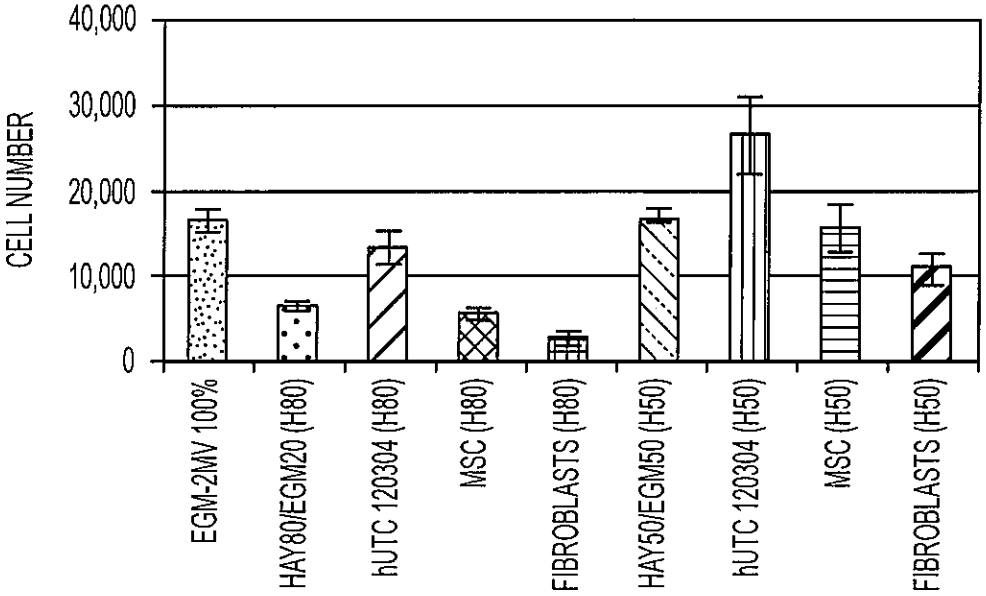

CELL NUMBER
40,000
30,000
20,000
10,000
0
EGM-2MV 100%
HAY80/EGM20 (H80)
hUTC 120304 (H80)
MSC (H80)
FIBROBLASTS (H80)
HAY50/EGM50 (H50)
hUTC 120304 (H50)
MSC (H50)
FIBROBLASTS (H50)

FIG. 1A

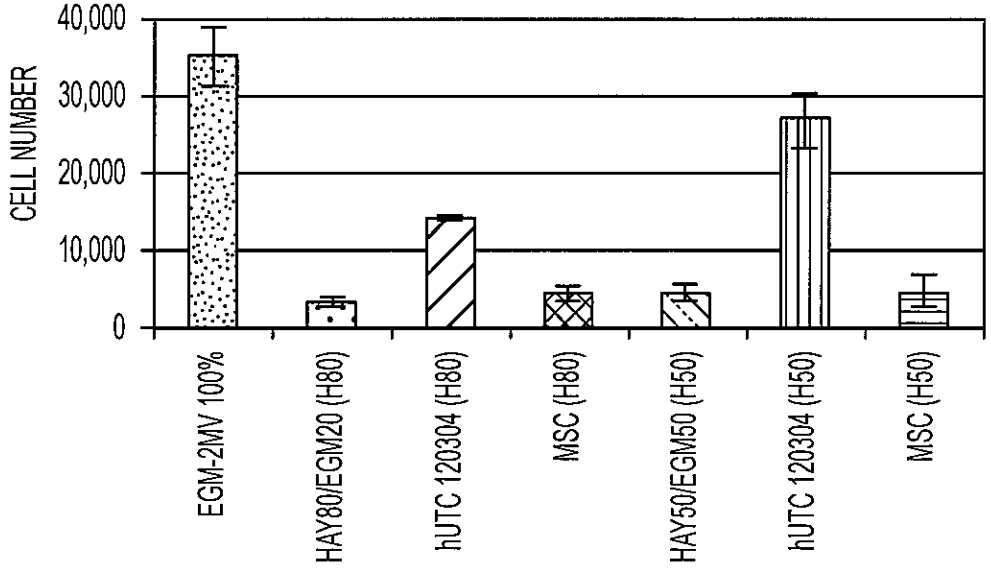

CELL NUMBER
40,000
30,000
20,000
10,000
0
EGM-2MV 100%
HAY80/EGM20 (H80)
hUTC 120304 (H80)
MSC (H80)
HAY50/EGM50 (H50)
hUTC 120304 (H50)
MSC (H50)

FIG. 1B

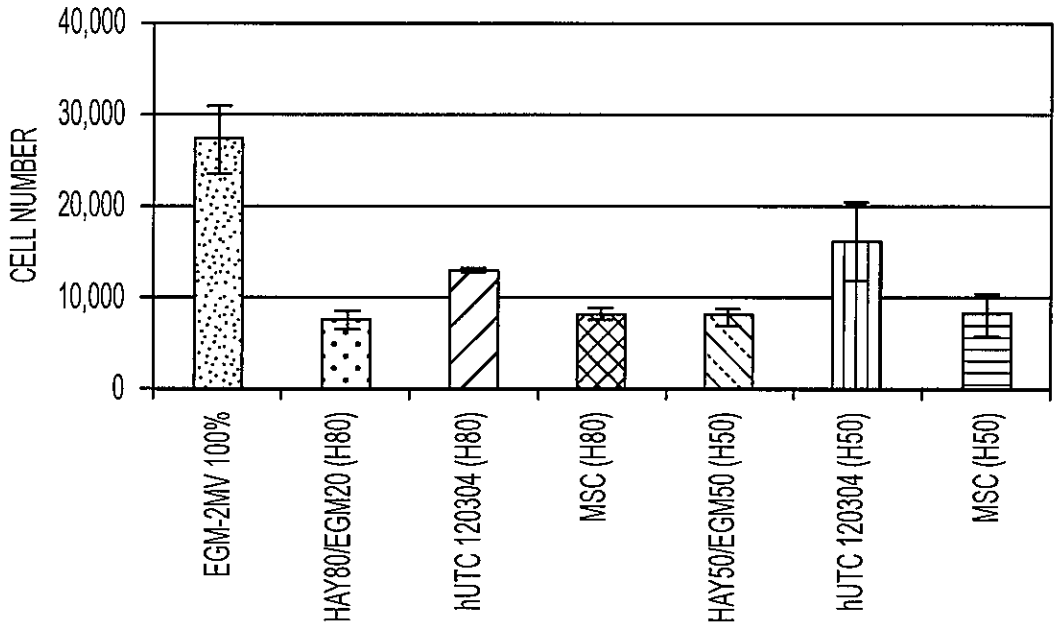
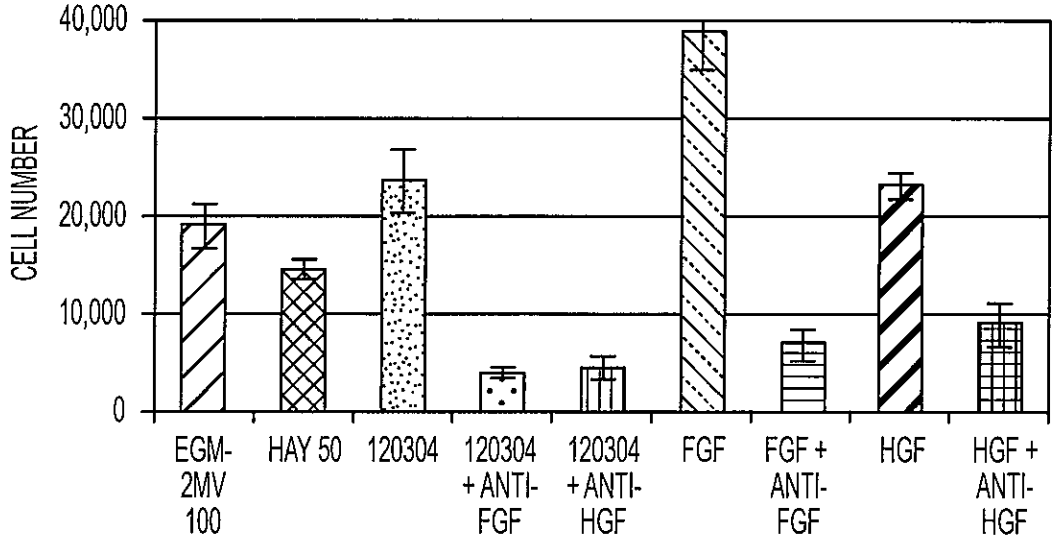

40,000
30,000
20,000
10,000
0
CELL NUMBER
EGM-2MV 100%
HAY80/EGM20 (H80)
hUTC 120304 (H80)
MSC (H80)
HAY50/EGM50 (H50)
hUTC 120304 (H50)
MSC (H50)

FIG. 1C


40,000
30,000
20,000
10,000
0
CELL NUMBER
EGM-2MV 100
HAY 50
120304
120304 + ANTI-FGF
120304 + ANTI-HGF
FGF
FGF + ANTI-FGF
HGF
HGF + ANTI-HGF

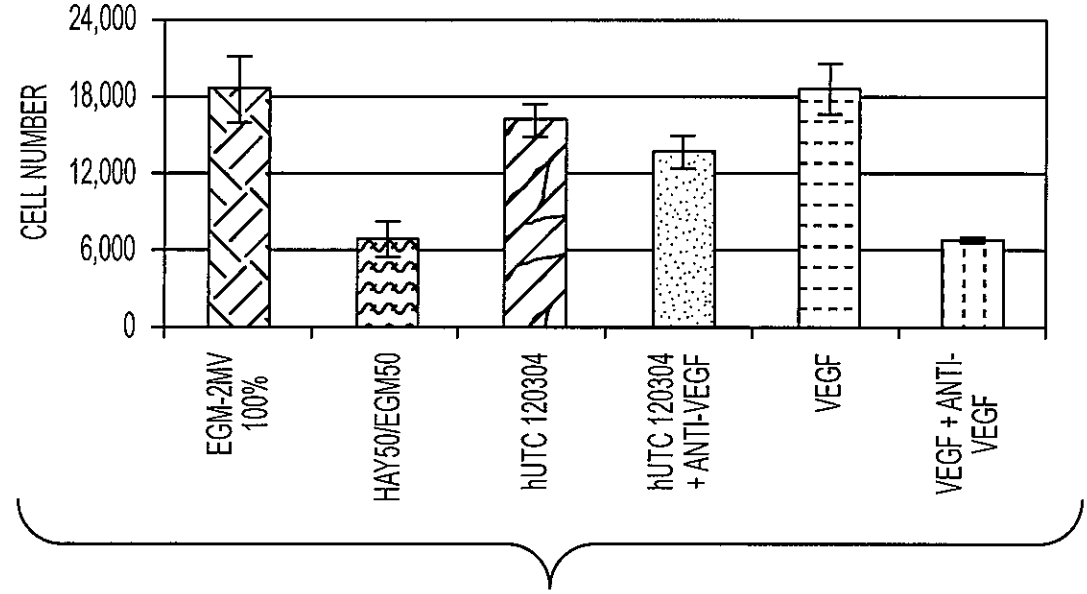
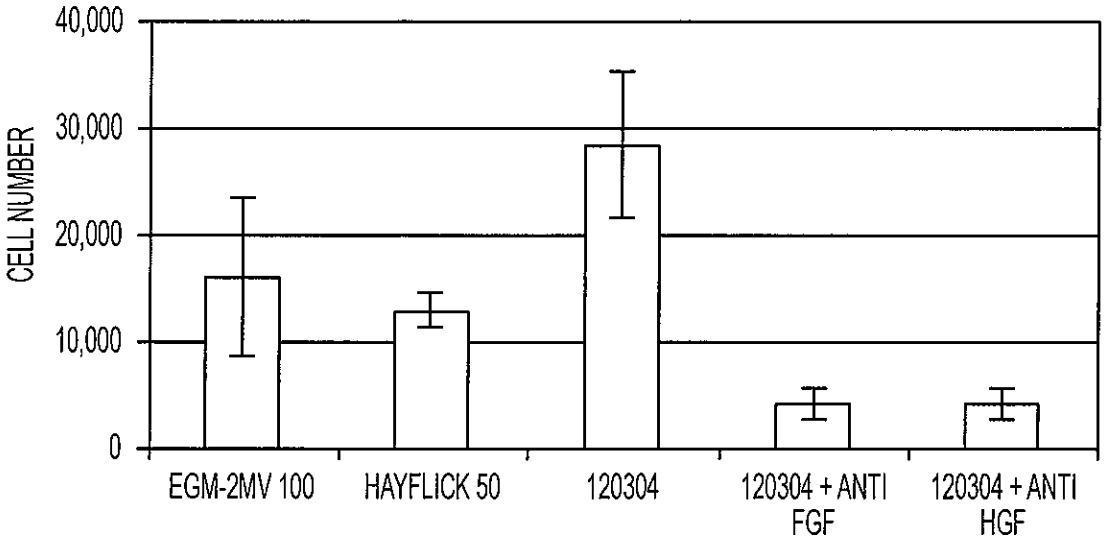

24,000
18,000
12,000
6,000
0
CELL NUMBER
EGM-2MV 100%
HAY50/EGM50
hUTC 120304
hUTC 120304 + ANTI-VEGF
VEGF
VEGF + ANTI-VEGF

FIG. 2A


40,000
30,000
20,000
10,000
0
CELL NUMBER
EGM-2MV 100
HAYFLICK 50
120304
120304 + ANTI FGF
120304 + ANTI HGF

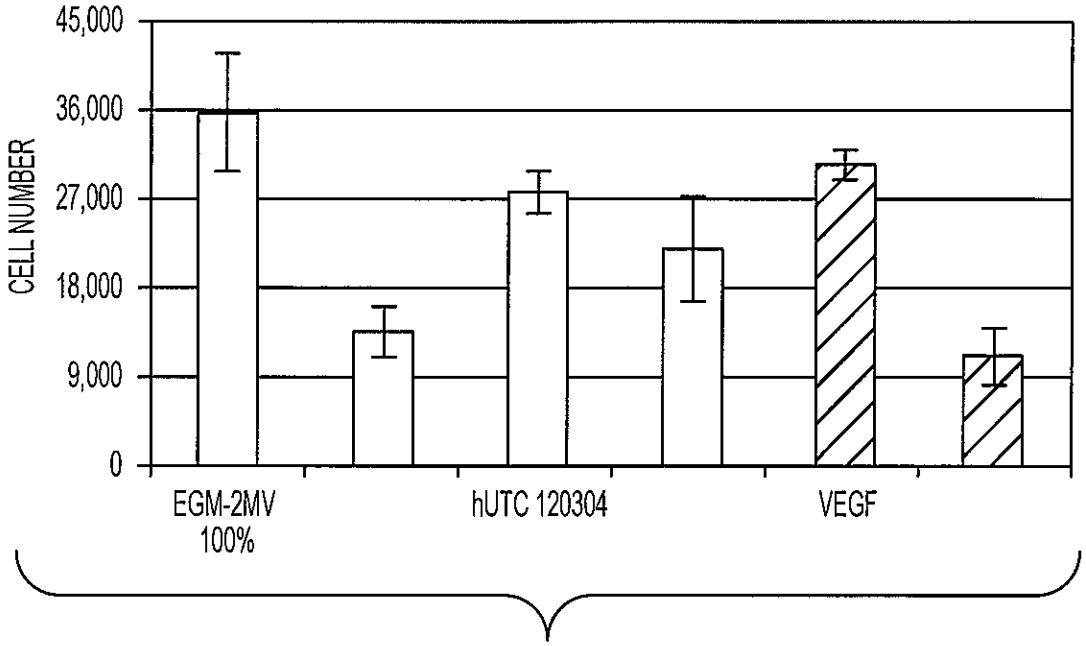

45,000
36,000
27,000
18,000
9,000
0
CELL NUMBER
EGM-2MV 100%
hUTC 120304
VEGF

FIG. 2B

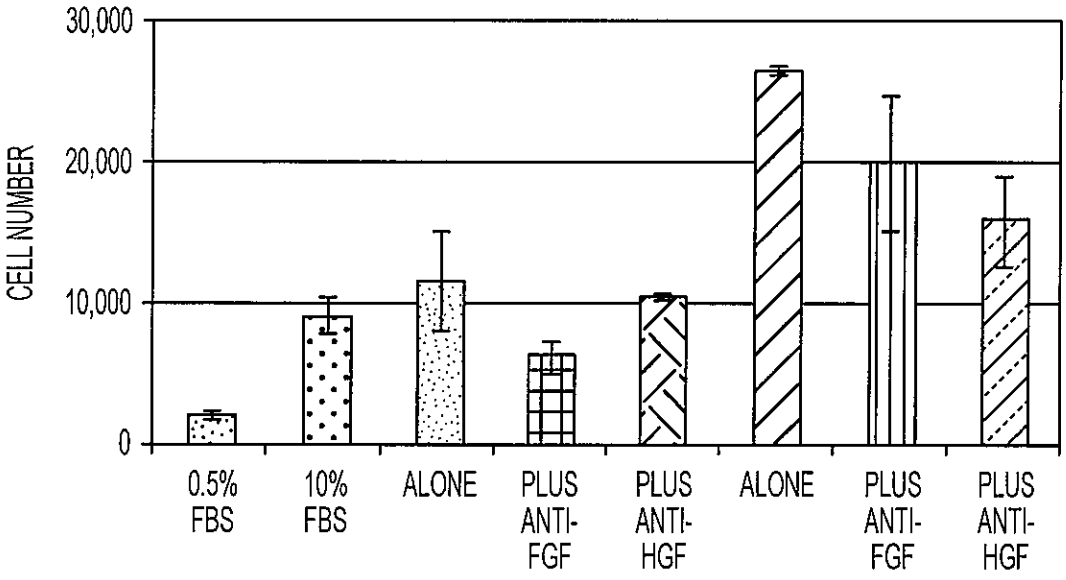

30,000
20,000
10,000
0
CELL NUMBER
0.5% FBS
10% FBS
ALONE
PLUS ANTI-FGF
PLUS ANTI-HGF
ALONE
PLUS ANTI-FGF
PLUS ANTI-HGF

FIG. 3

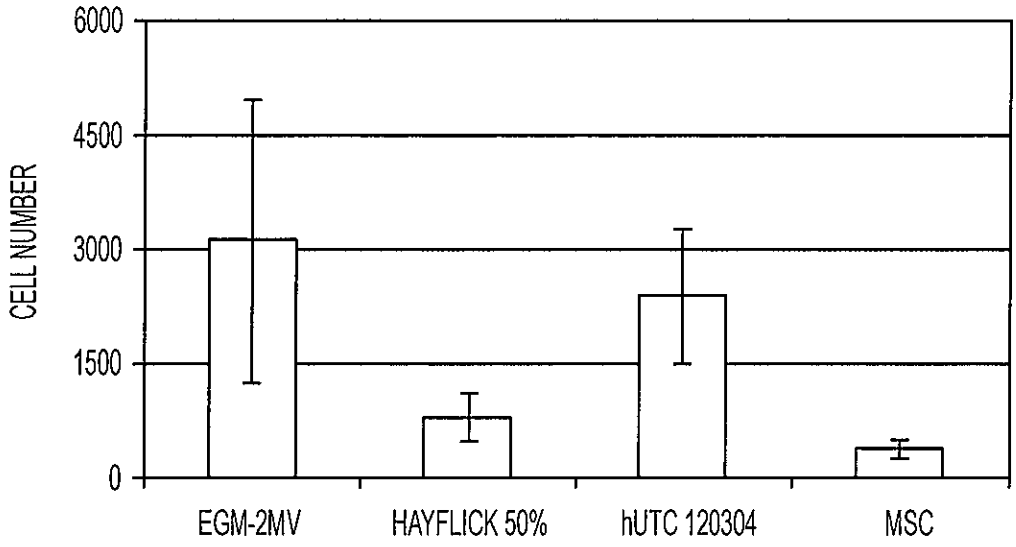

6000
4500
3000
1500
0
CELL NUMBER
EGM-2MV
HAYFLICK 50%
hUTC 120304
MSC

FIG. 4A

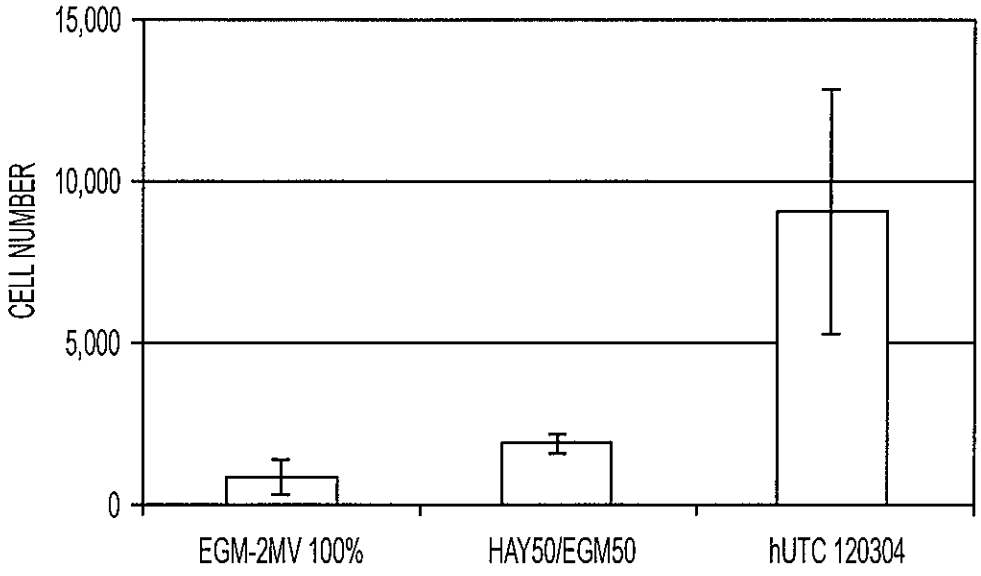

15,000
10,000
5,000
0
CELL NUMBER
EGM-2MV 100%
HAY50/EGM50
hUTC 120304

FIG. 4B

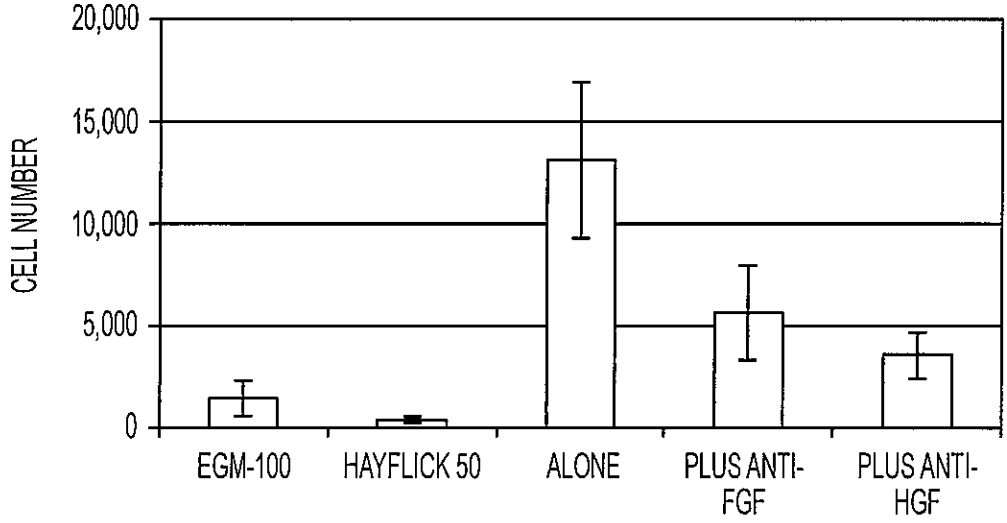

20,000
15,000
10,000
5,000
0
CELL NUMBER
EGM-100
HAYFLICK 50
ALONE
PLUS ANTI-FGF
PLUS ANTI-HGF

FIG. 5A

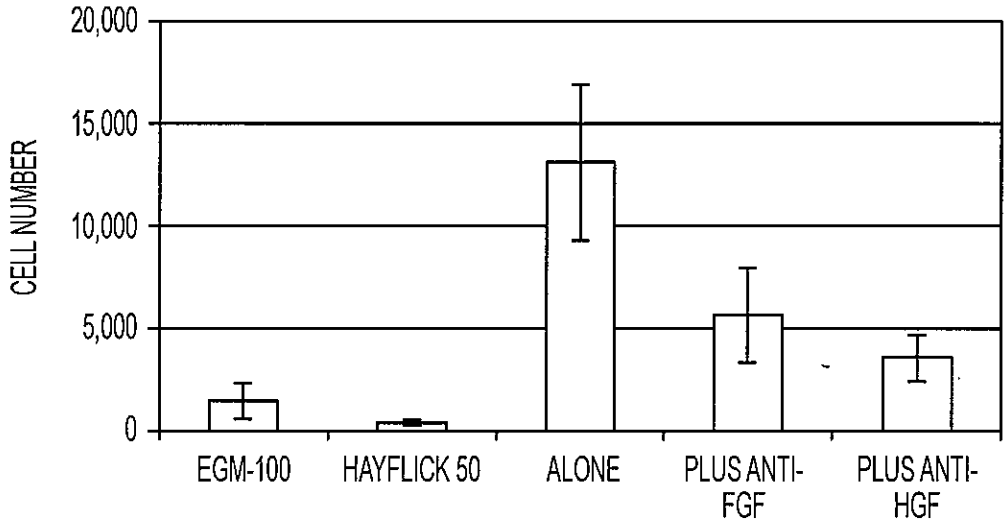

20,000
15,000
10,000
5,000
0
CELL NUMBER
EGM-100
HAYFLICK 50
ALONE
PLUS ANTI-FGF
PLUS ANTI-HGF

FIG. 5B

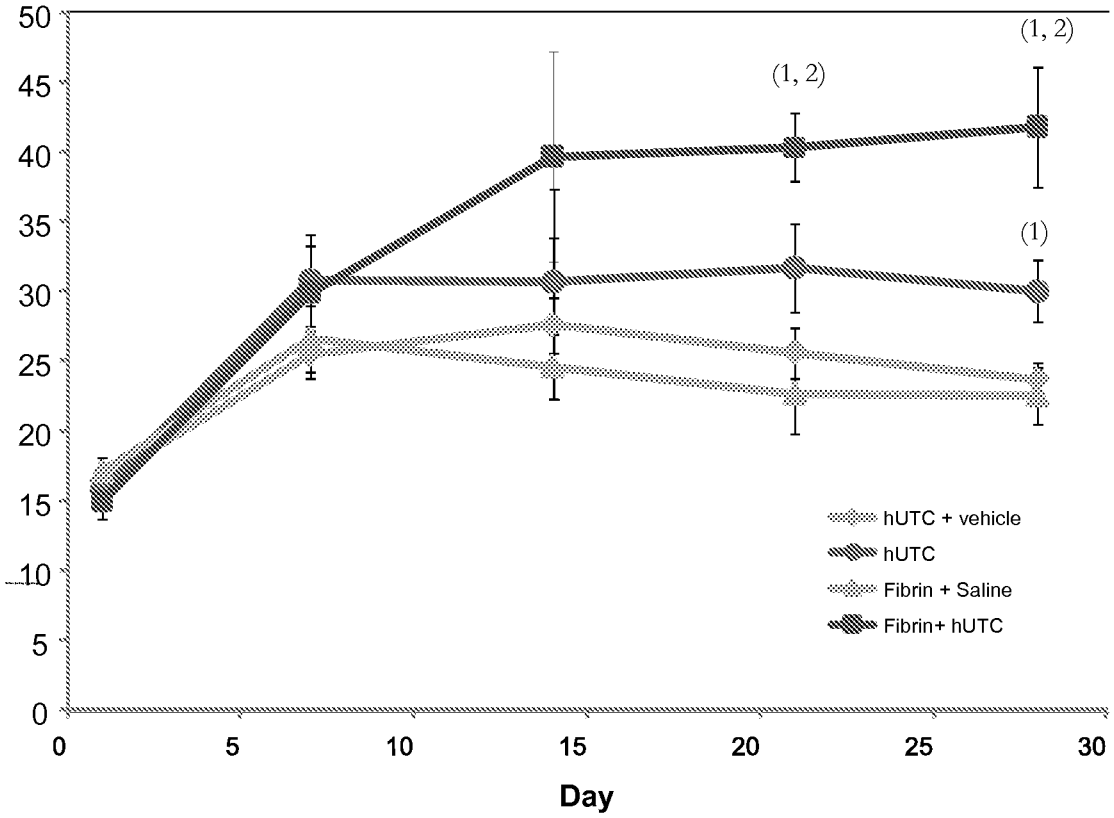

50
45
40
35
30
25
20
15
10
5
0
0
5
10
15
20
25
30
Day
(1, 2)
(1, 2)
(1)
hUTC + vehicle
hUTC
Fibrin + Saline
Fibrin+ hUTC

Figure 6

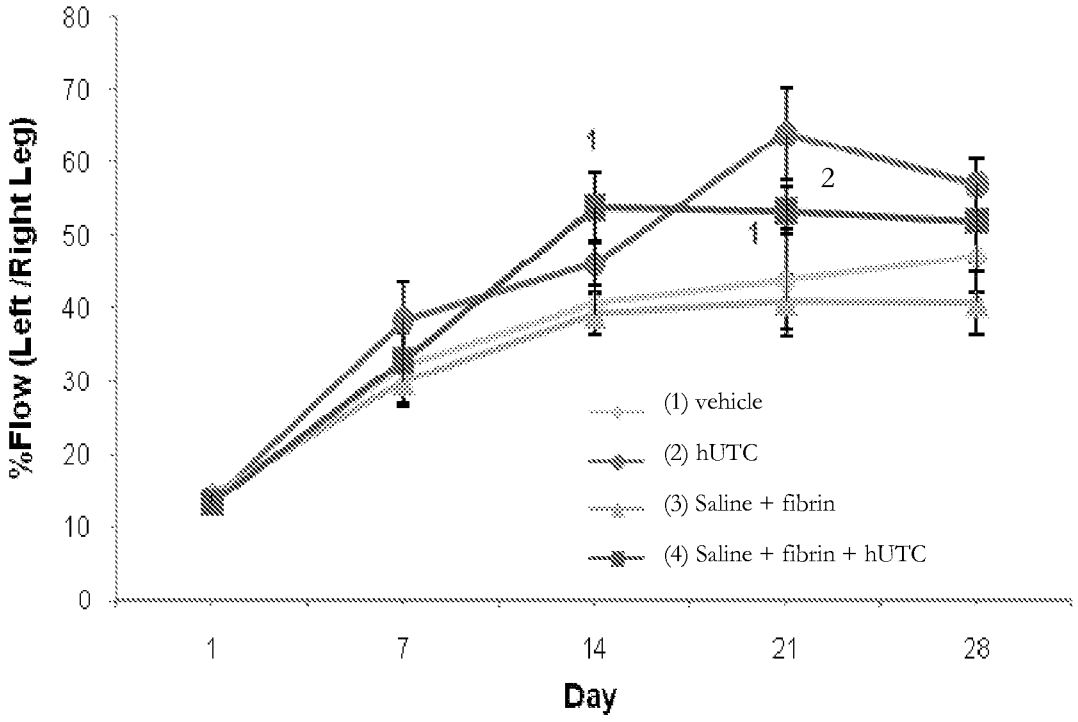

80
70
60
50
40
30
20
10
0
%Flow (Left /Right Leg)
1
7
14
21
28
Day
2
(1) vehicle
(2) hUTC
(3) Saline + fibrin
(4) Saline + fibrin + hUTC

Figure 7

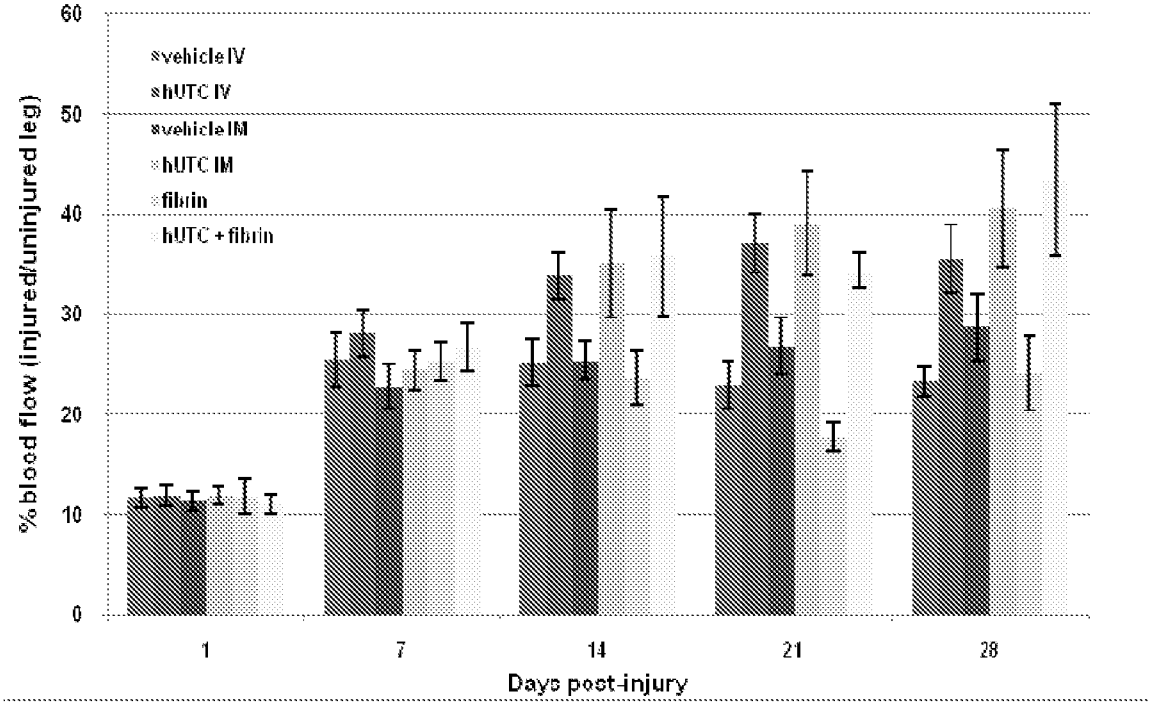

60
50
40
30
20
10
0
% blood flow (injured/uninjured leg)
vehicle IV
hUTC IV
vehicle IM
hUTC IM
fibrin
hUTC + fibrin
1
7
14
21
28
Days post-injury

Figure 8

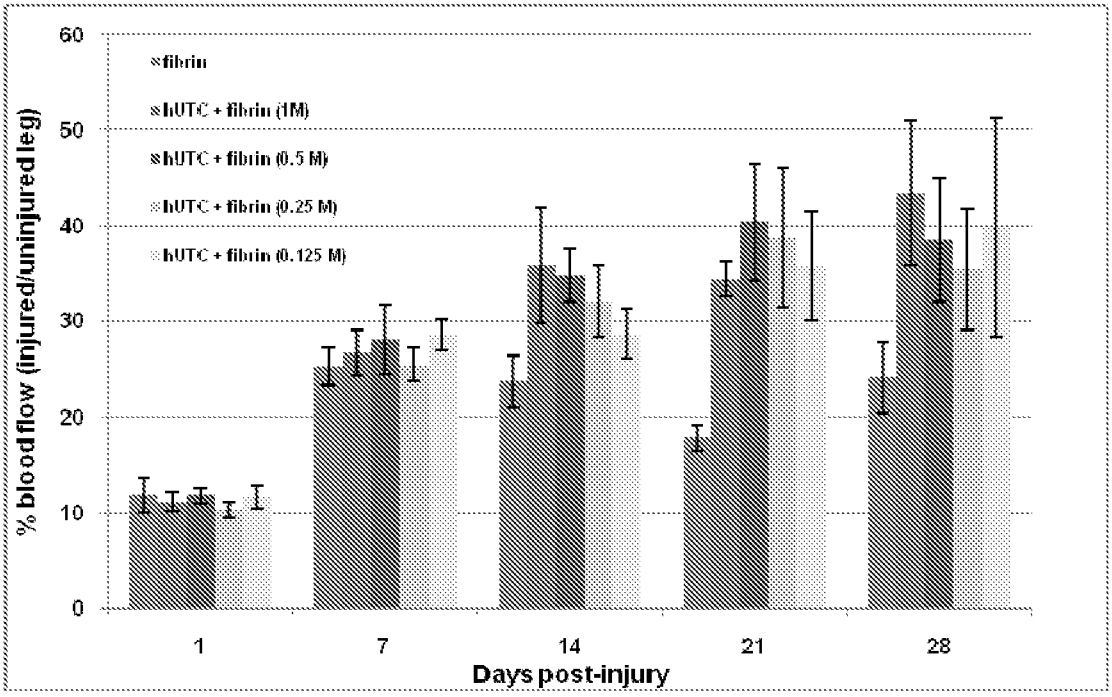

60
50
40
30
20
10
0
% blood flow (injured/uninjured leg)
fibrin
hUTC + fibrin (1M)
hUTC + fibrin (0.5 M)
hUTC + fibrin (0.25 M)
hUTC + fibrin (0.125 M)
1
7
14
21
28
Days post-injury

Figure 9

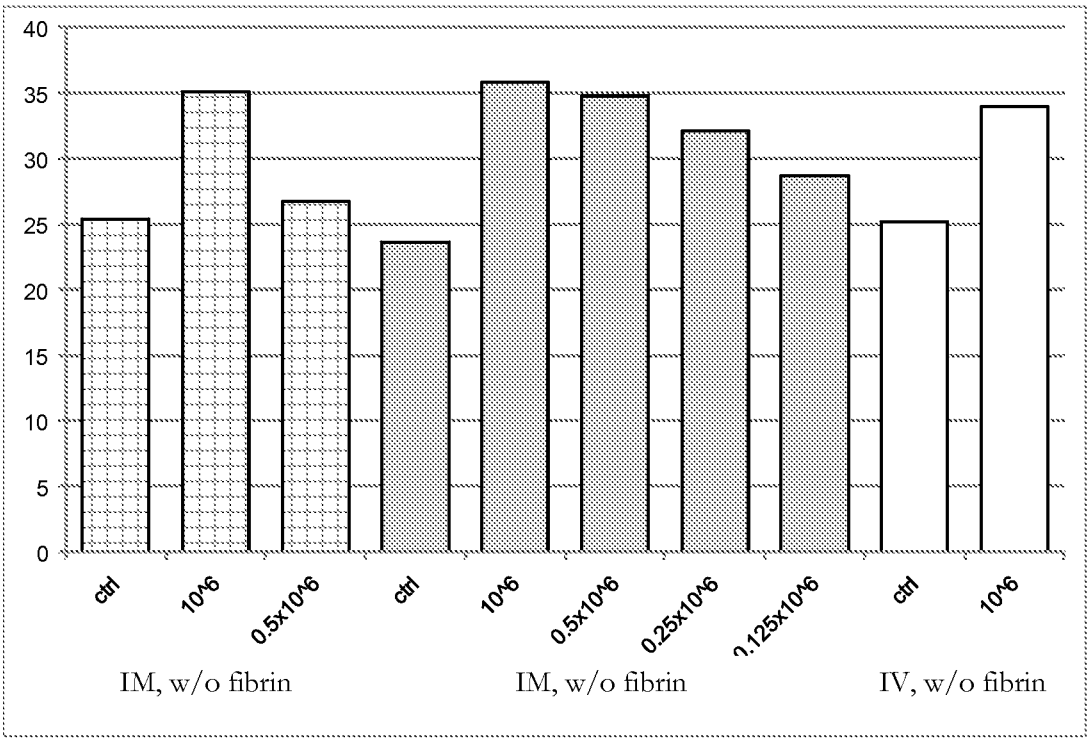

40
35
30
25
20
15
10
5
0
ctrl
10^6
0.5x10^6
ctrl
10^6
0.5x10^6
0.25x10^6
0.125x10^6
ctrl
10^6
IM, w/o fibrin
IM, w/o fibrin
IV, w/o fibrin

Figure 10

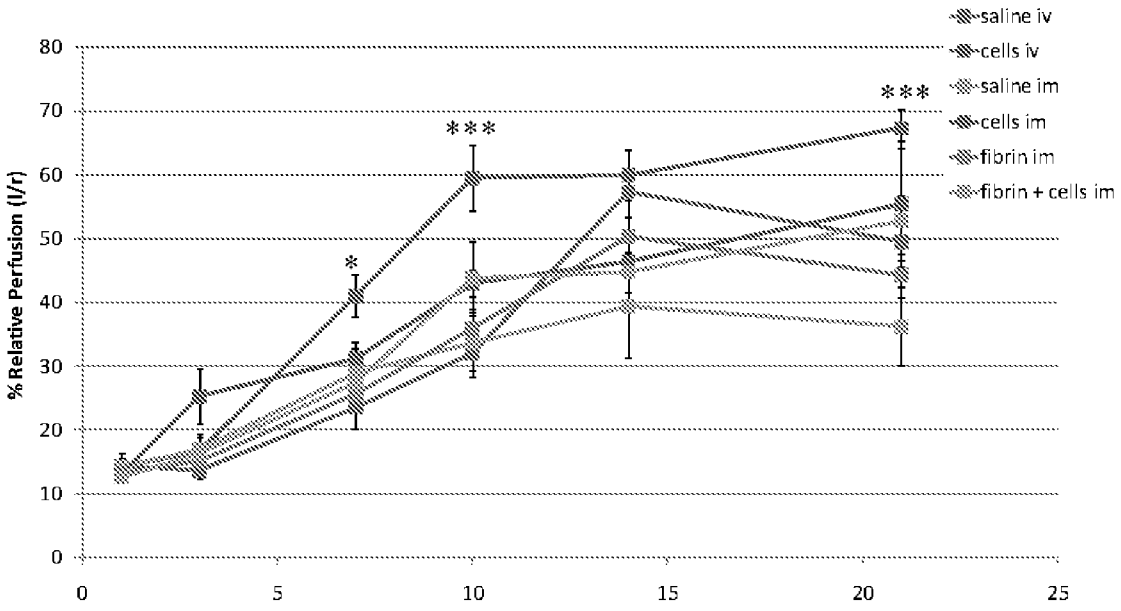

saline iv
cells iv
saline im
cells im
fibrin im
fibrin + cells im
% Relative Perfusion (l/r)
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
*
***
***

Figure 11

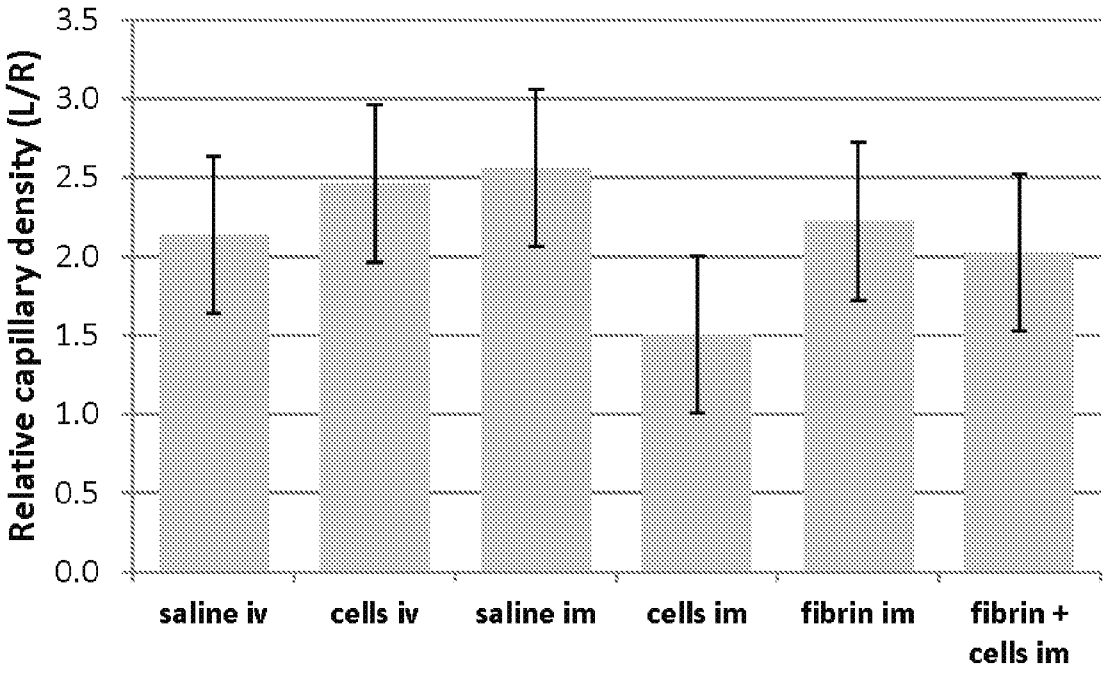

Relative capillary density (L/R)
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
saline iv
cells iv
saline im
cells im
fibrin im
fibrin + cells im

Figure 12

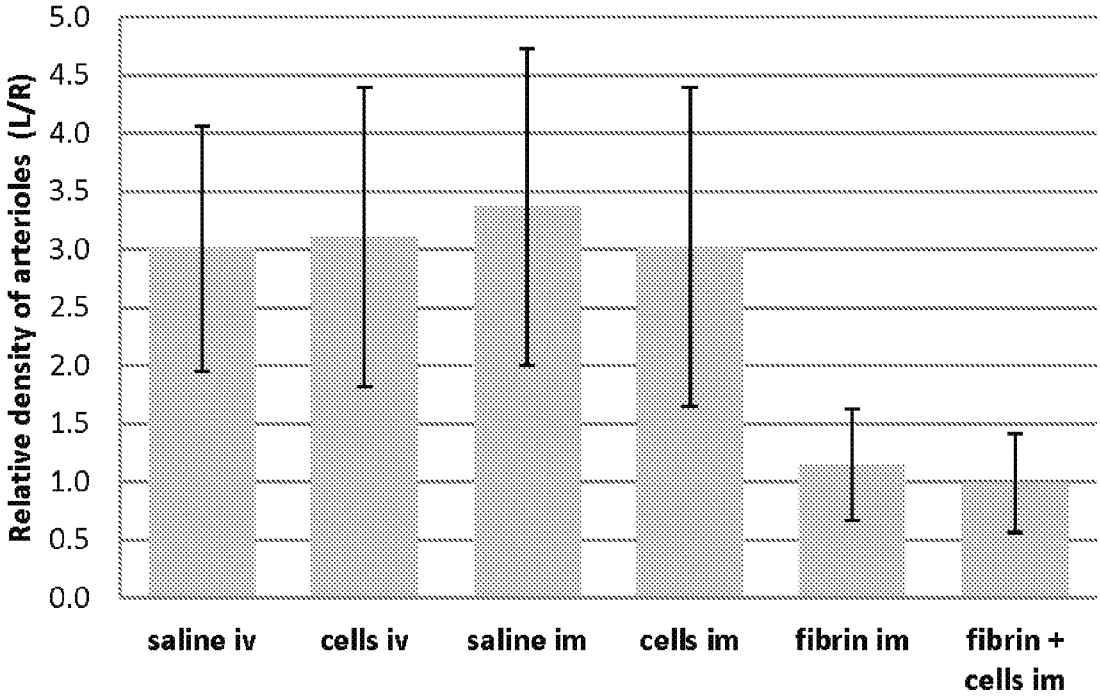

Relative density of arterioles (L/R)
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
saline iv
cells iv
saline im
cells im
fibrin im
fibrin + cells im

Figure 13