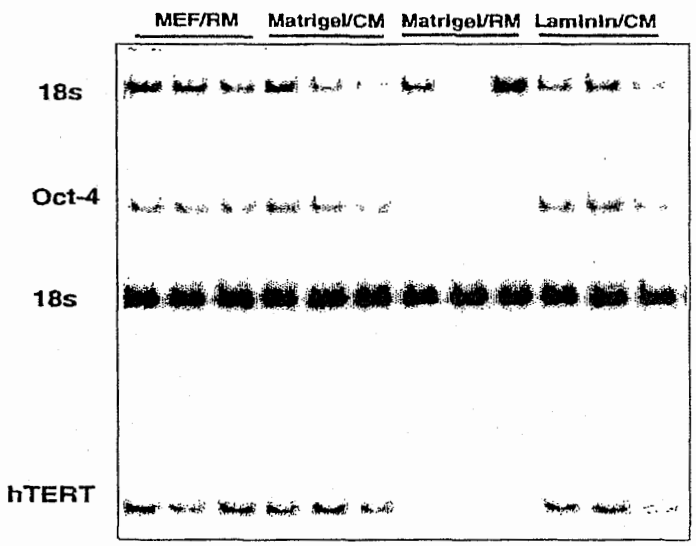
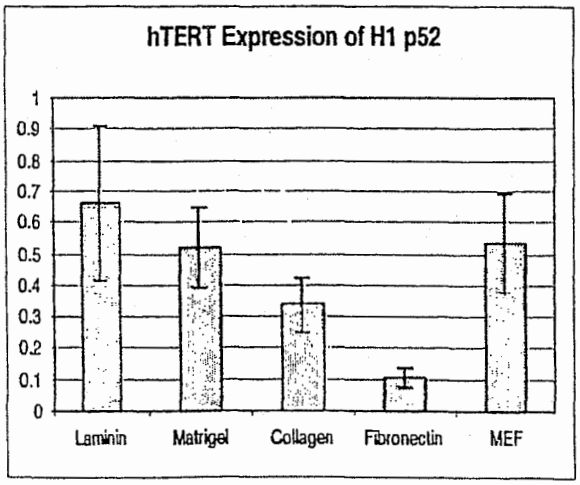
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Figure 1





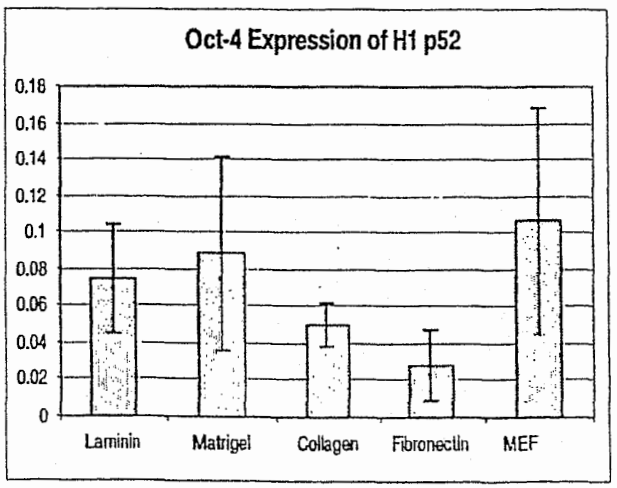
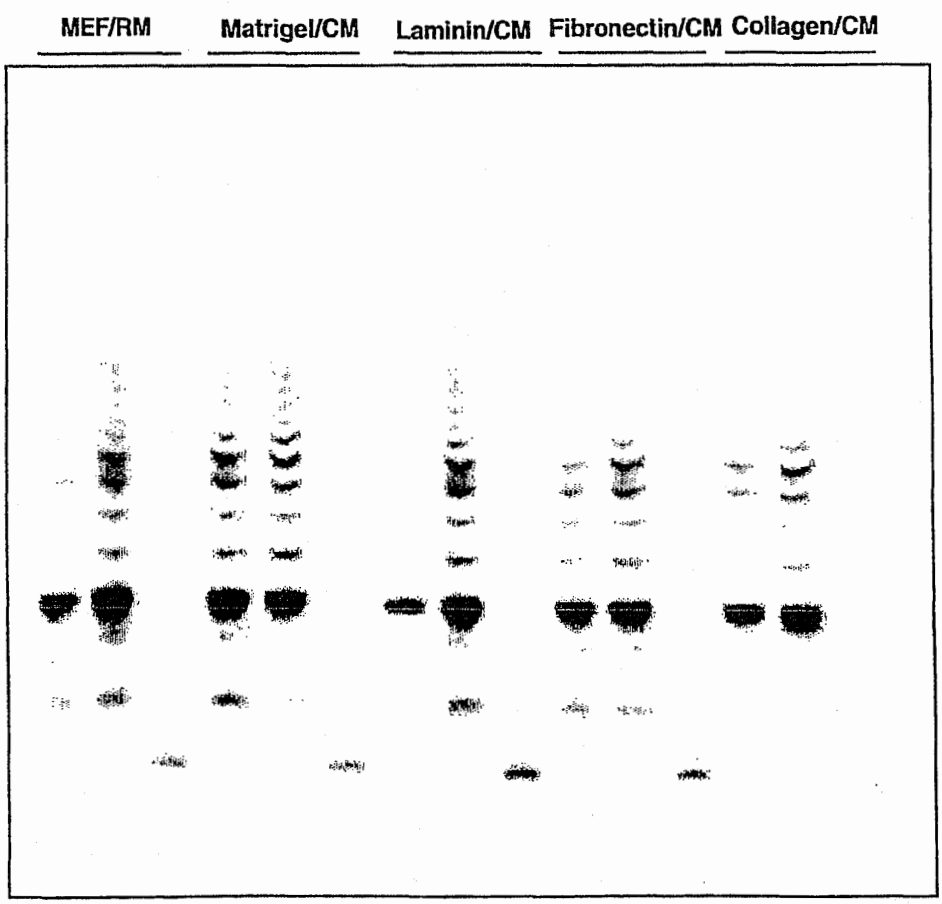


Figure 2



27 MAY 2005

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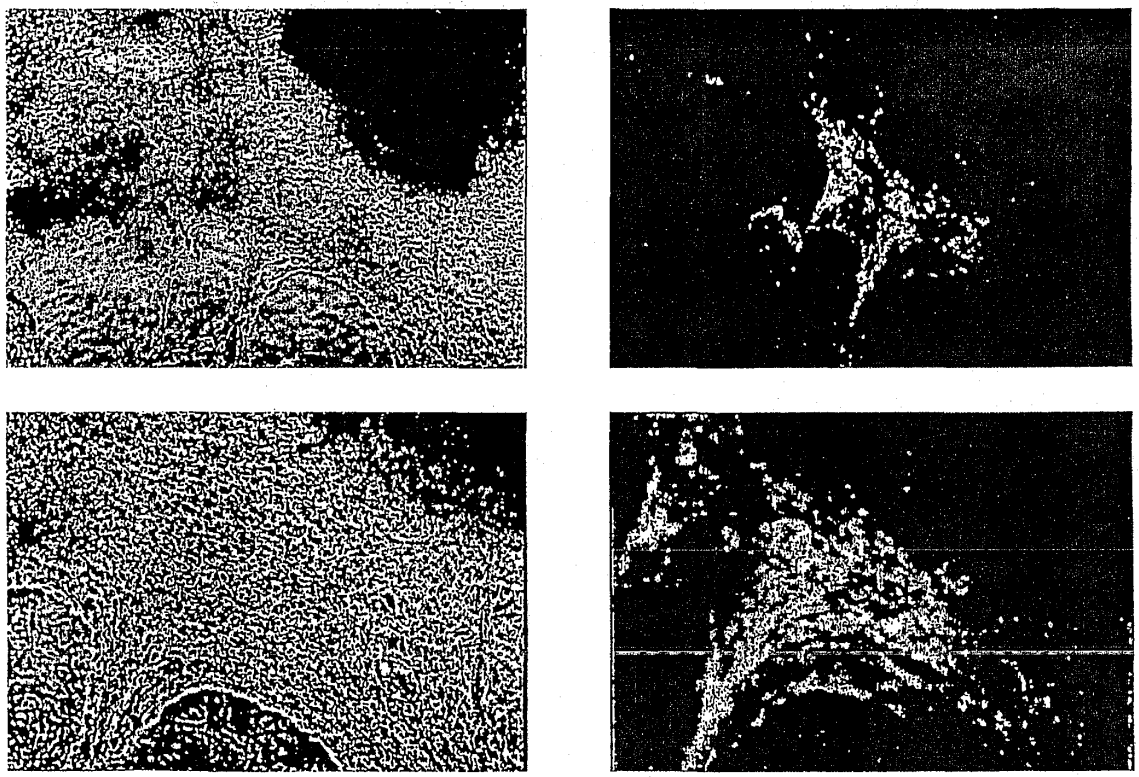


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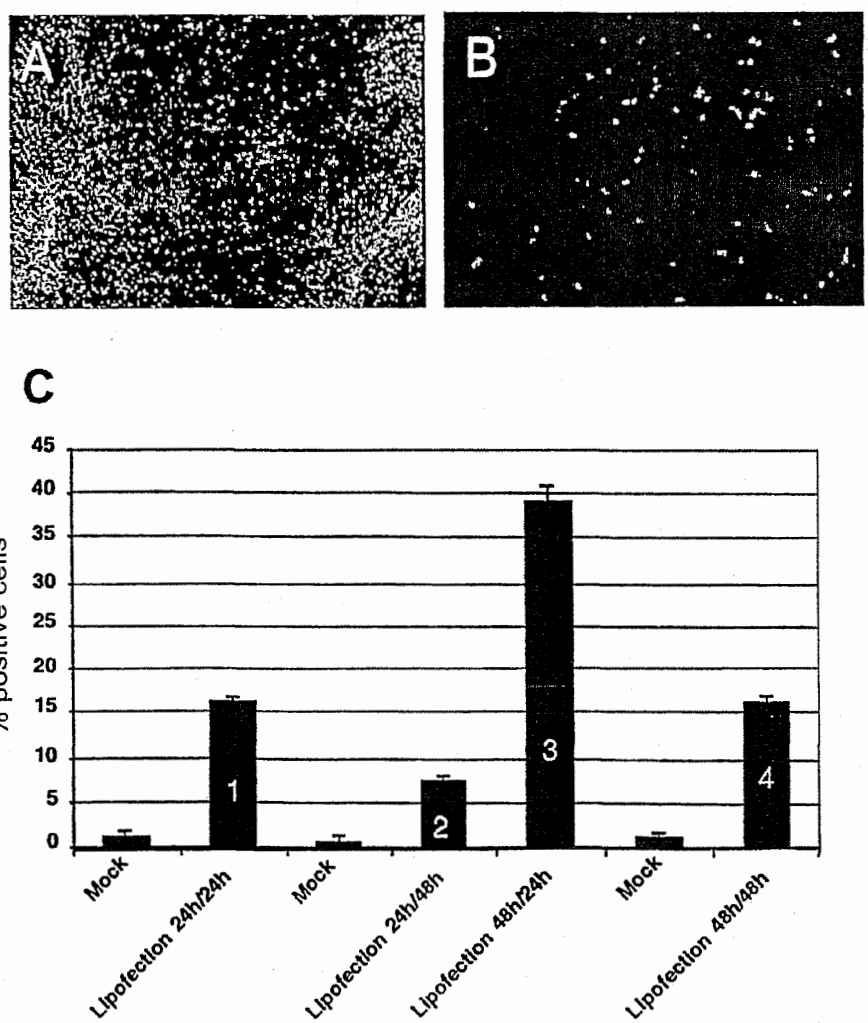
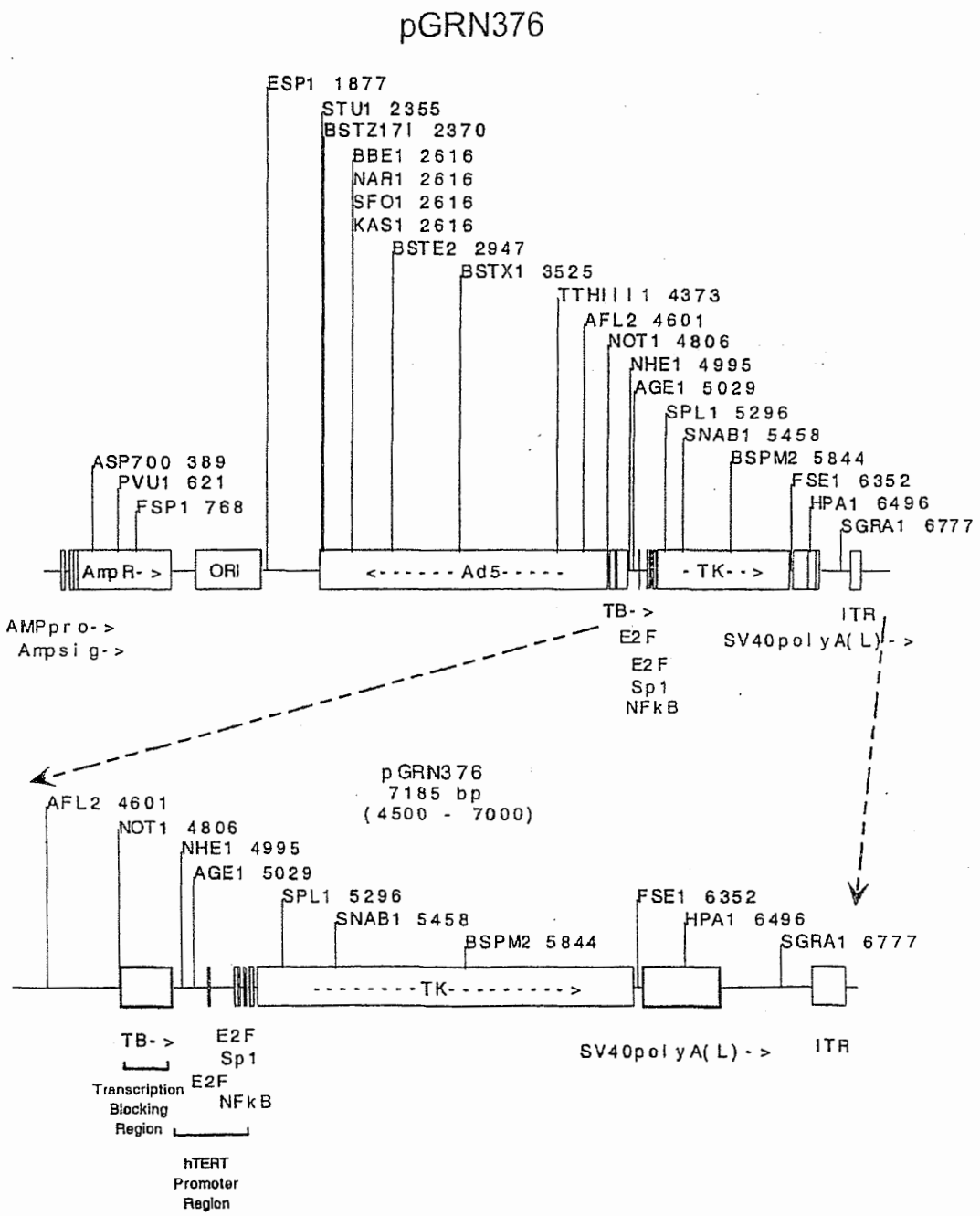
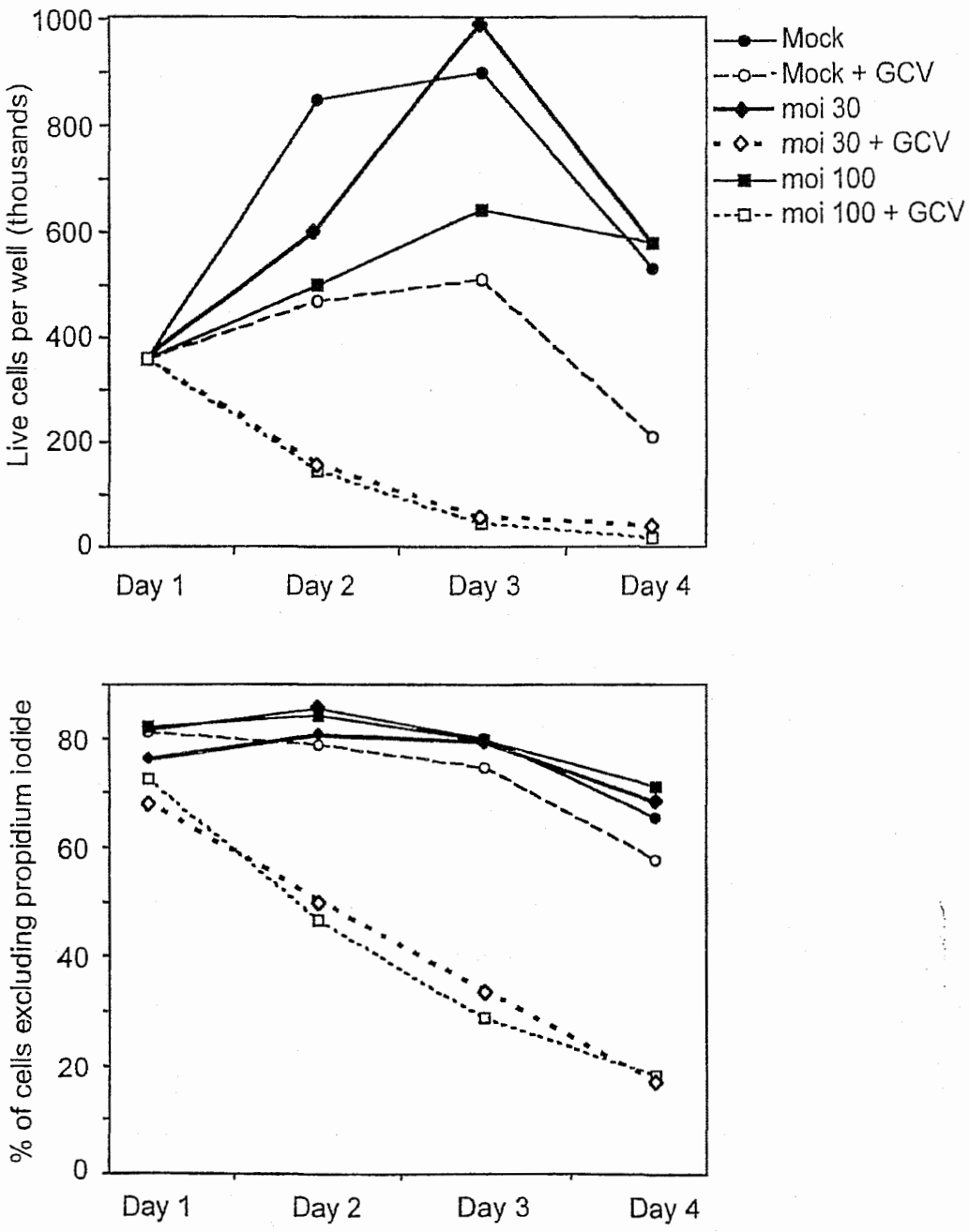

A
B
C
% positive cells
45
40
35
30
25
20
15
10
5
0
1
2
3
4
Mock
Lipofection 24h/24h
Mock
Lipofection 24h/48h
Lipofection 48h/24h
Mock
Lipofection 48h/48h

Figure 5



Transgene expression cassette for
hTERT-promoter/TK/Adenovirus Plasmid

Figure 6


Live cells per well (thousands)
1000
800
600
400
200
0
Day 1
Day 2
Day 3
Day 4
Mock
Mock + GCV
moi 30
moi 30 + GCV
moi 100
moi 100 + GCV
% of cells excluding propidium iodide
80
60
40
20
0
Day 1
Day 2
Day 3
Day 4

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Figure 7

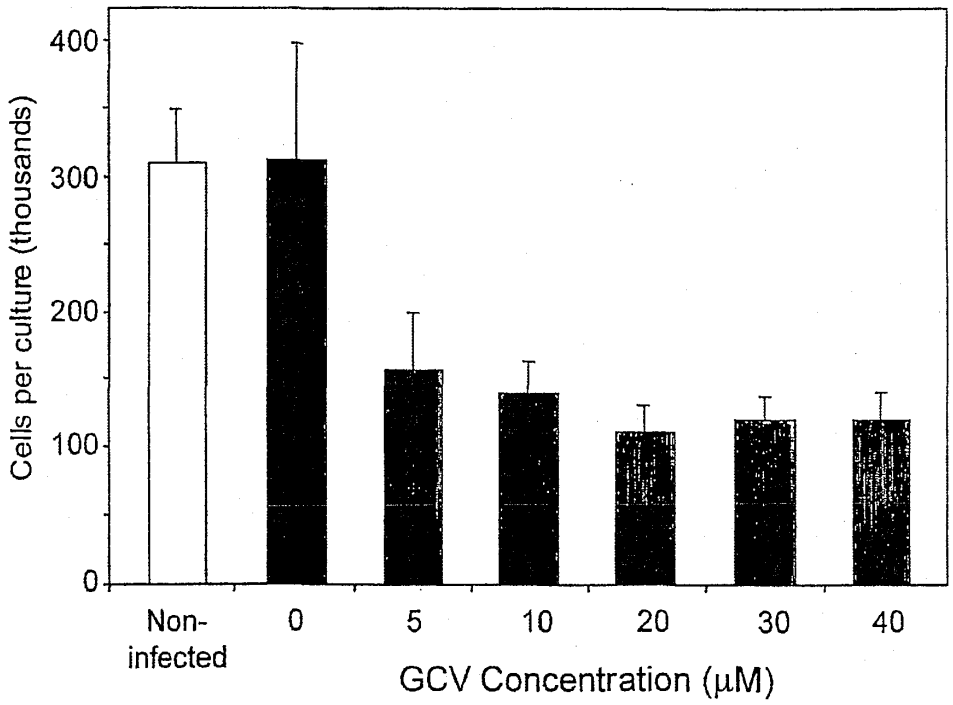


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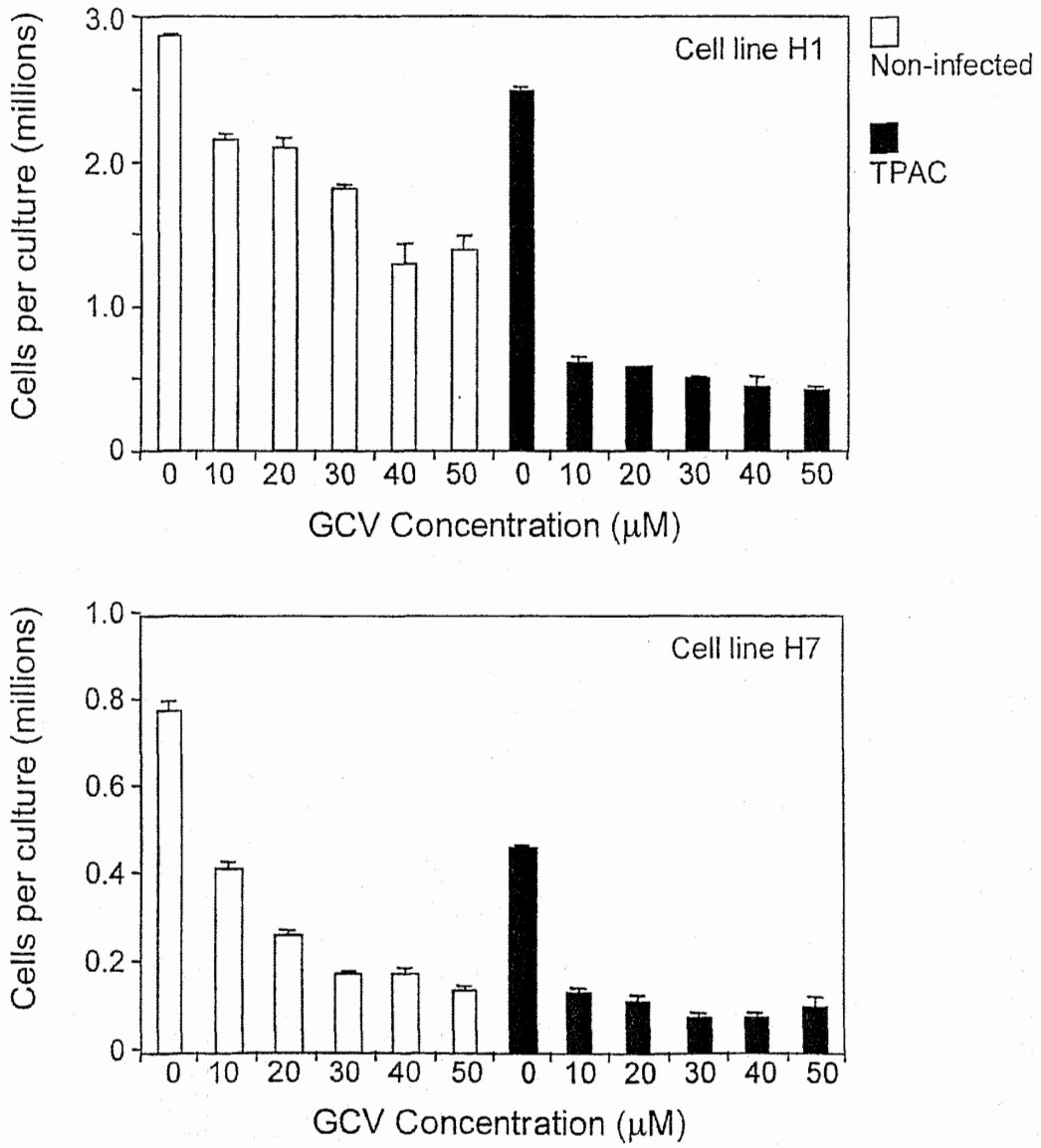
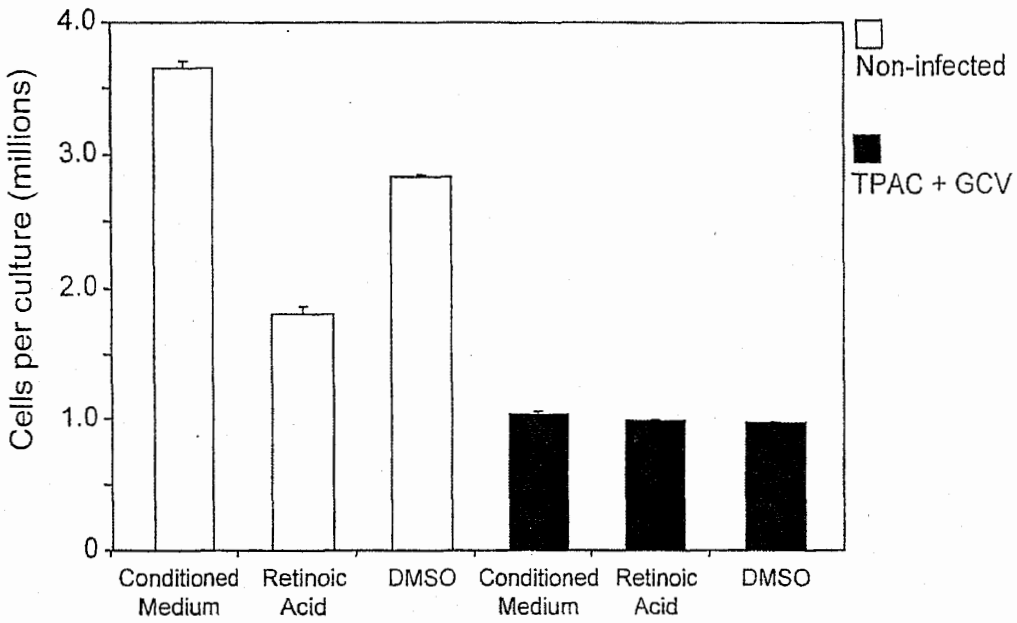

Cell line H1
Non-infected
TPAC
Cells per culture (millions)
3.0
2.0
1.0
0
0 10 20 30 40 50 0 10 20 30 40 50
GCV Concentration (μM)
Cell line H7
Cells per culture (millions)
1.0
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 0 10 20 30 40 50
GCV Concentration (μM)

Figure 9


4.0
3.0
2.0
1.0
0
Cells per culture (millions)
Non-infected
TPAC + GCV
Conditioned Medium
Retinoic Acid
DMSO
Conditioned Medium
Retinoic Acid
DMSO

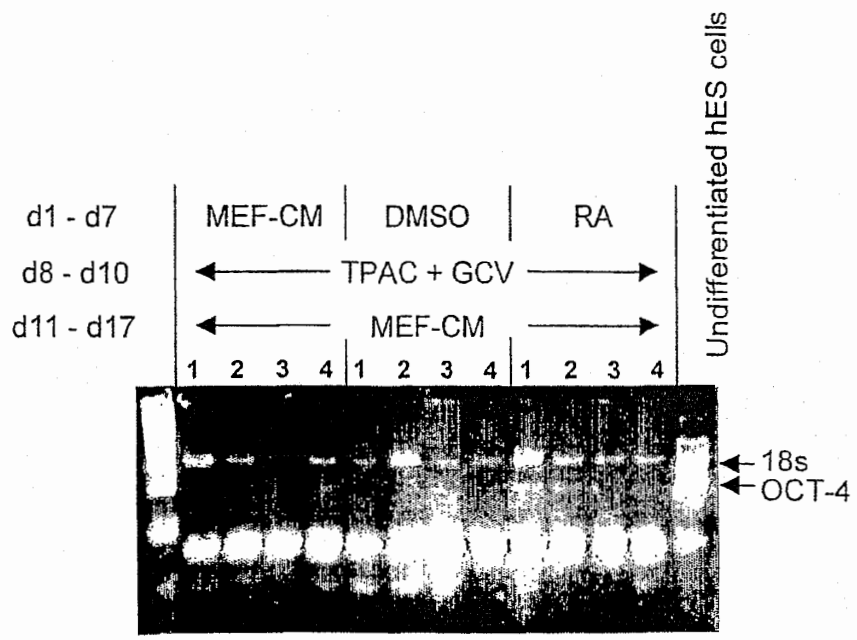

Undifferentiated hES cells
d1 - d7
MEF-CM
DMSO
RA
d8 - d10
TPAC + GCV
d11 - d17
MEF-CM
1 2 3 4 1 2 3 4 1 2 3 4
18s
OCT-4

Figure 10

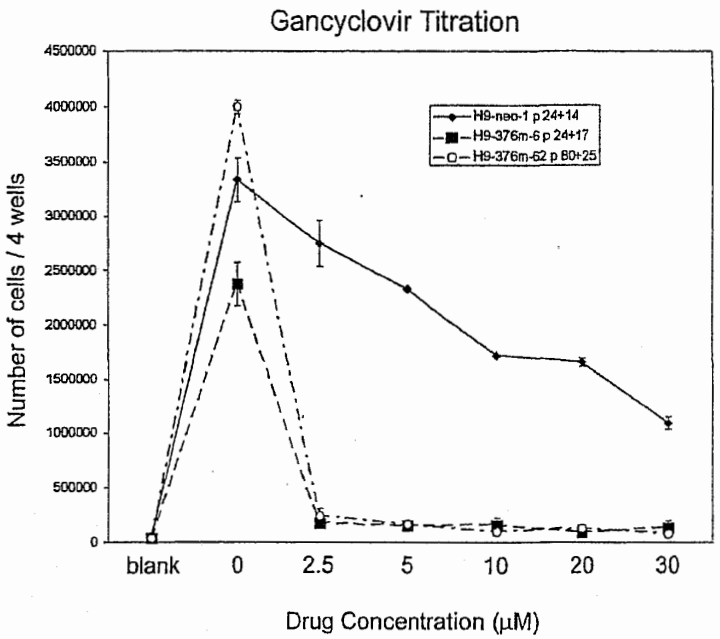
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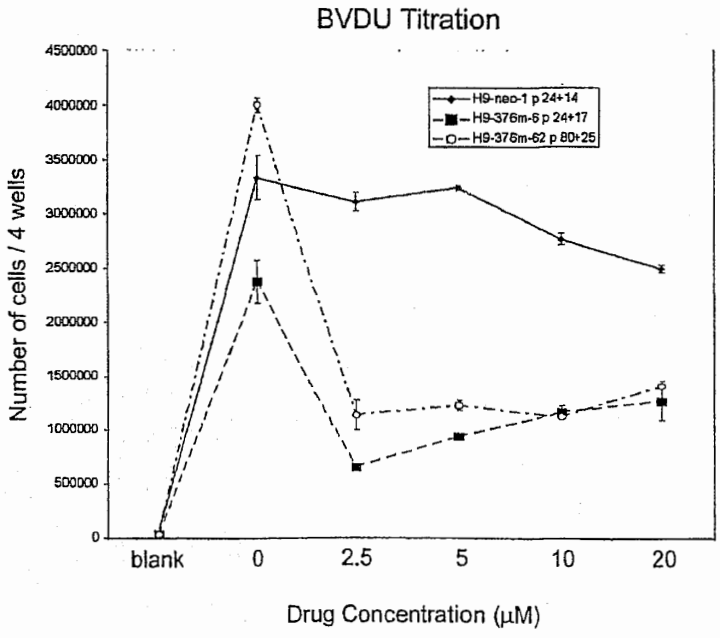


B.



Figure 11


Gancyclovir Titration
Number of cells / 4 wells
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
H9-neo-1 p 24+14
H9-376m-6 p 24+17
H9-376m-62 p 80+25
blank
0
2.5
5
10
20
30
Drug Concentration (μM)


BVDU Titration
Number of cells / 4 wells
4500000
4000000
3500000
3000000
2500000
2000000
1500000
1000000
500000
0
H9-neo-1 p 24+14
H9-376m-6 p 24+17
H9-376m-62 p 80+25
blank
0
2.5
5
10
20
Drug Concentration (μM)

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PCT/US01/44309

Figure 12A

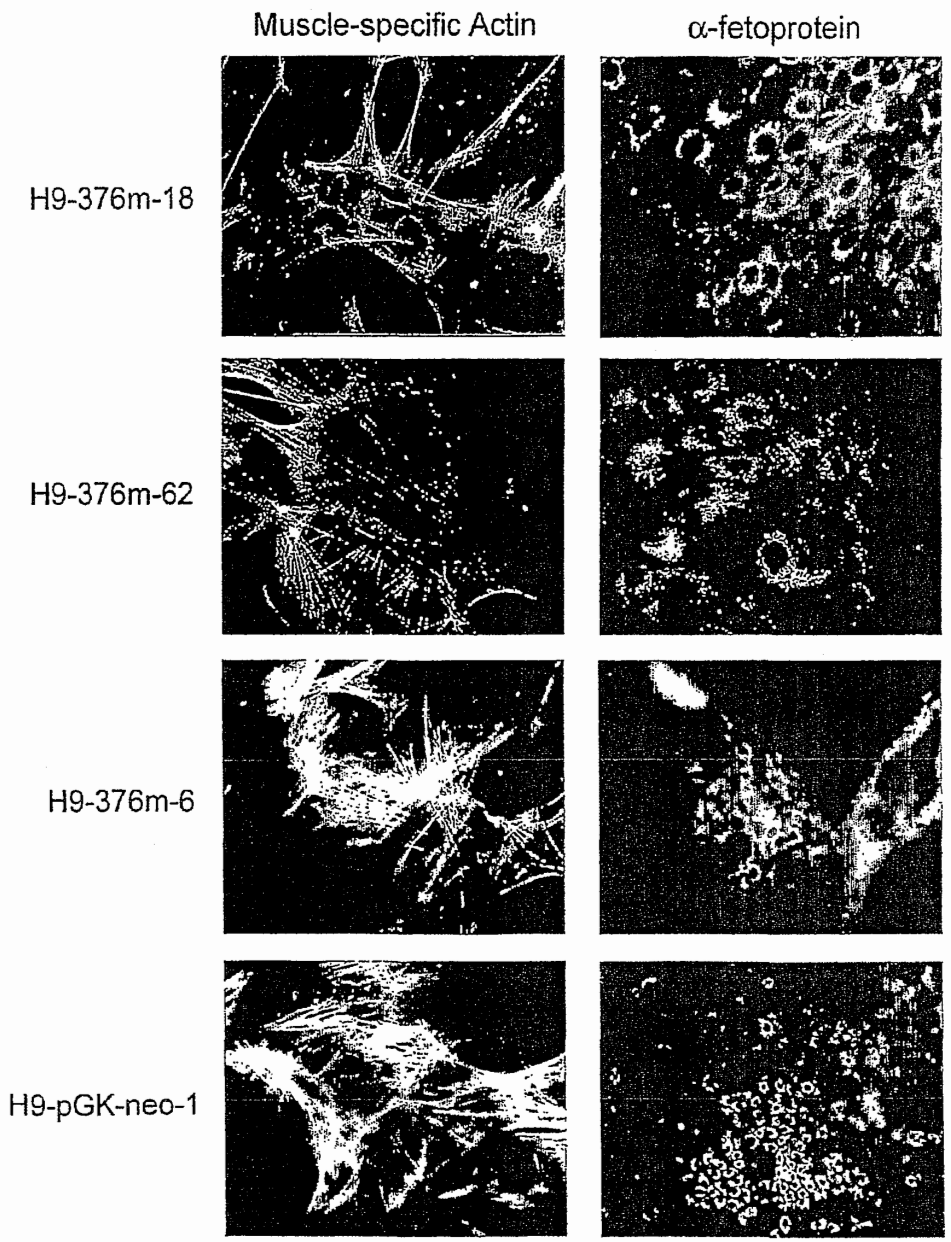
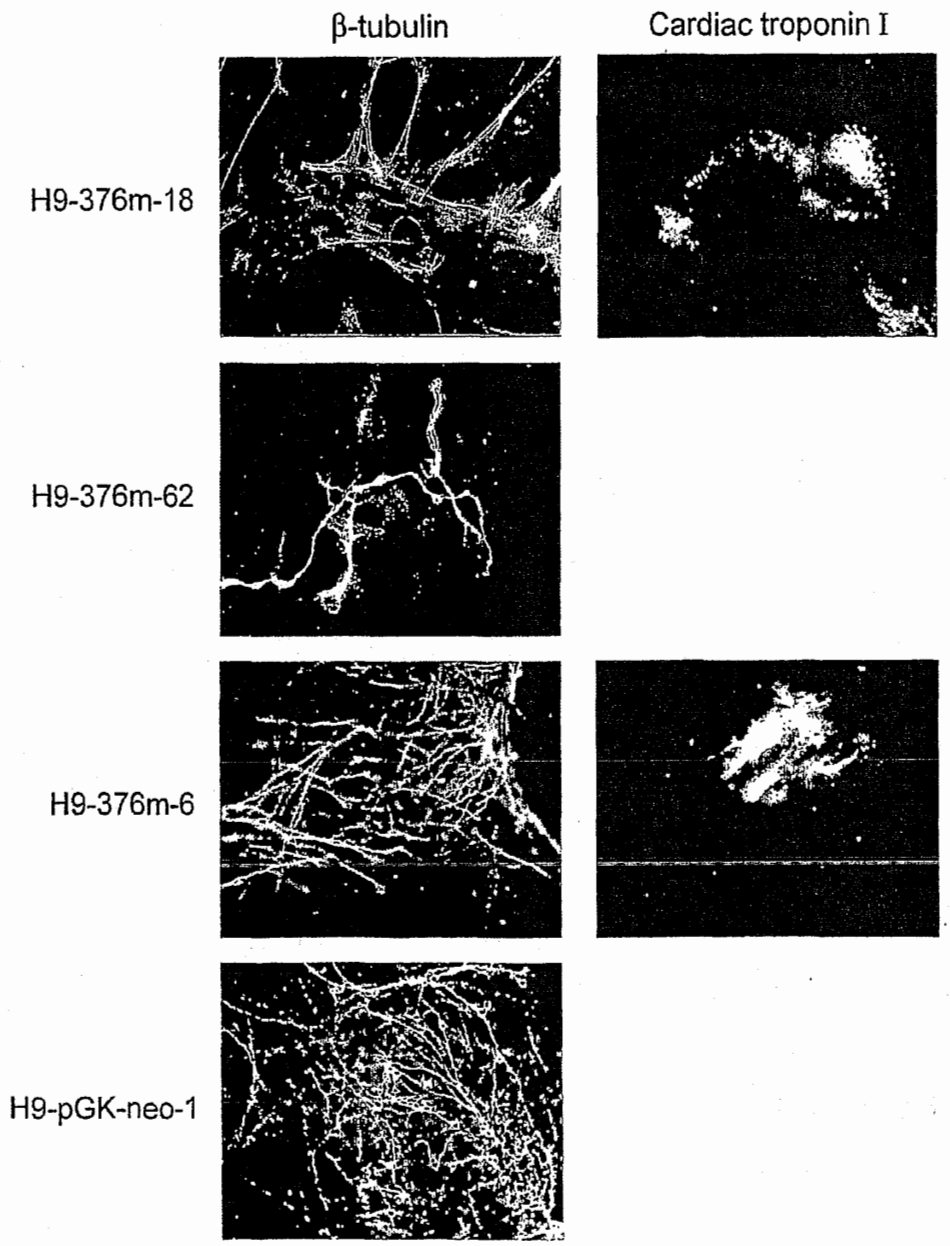


Figure 12B


β-tubulin
Cardiac troponin I
H9-376m-18
H9-376m-62
H9-376m-6
H9-pGK-neo-1

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Gold, Joseph
Lebkowski, Jane

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