Figure 1

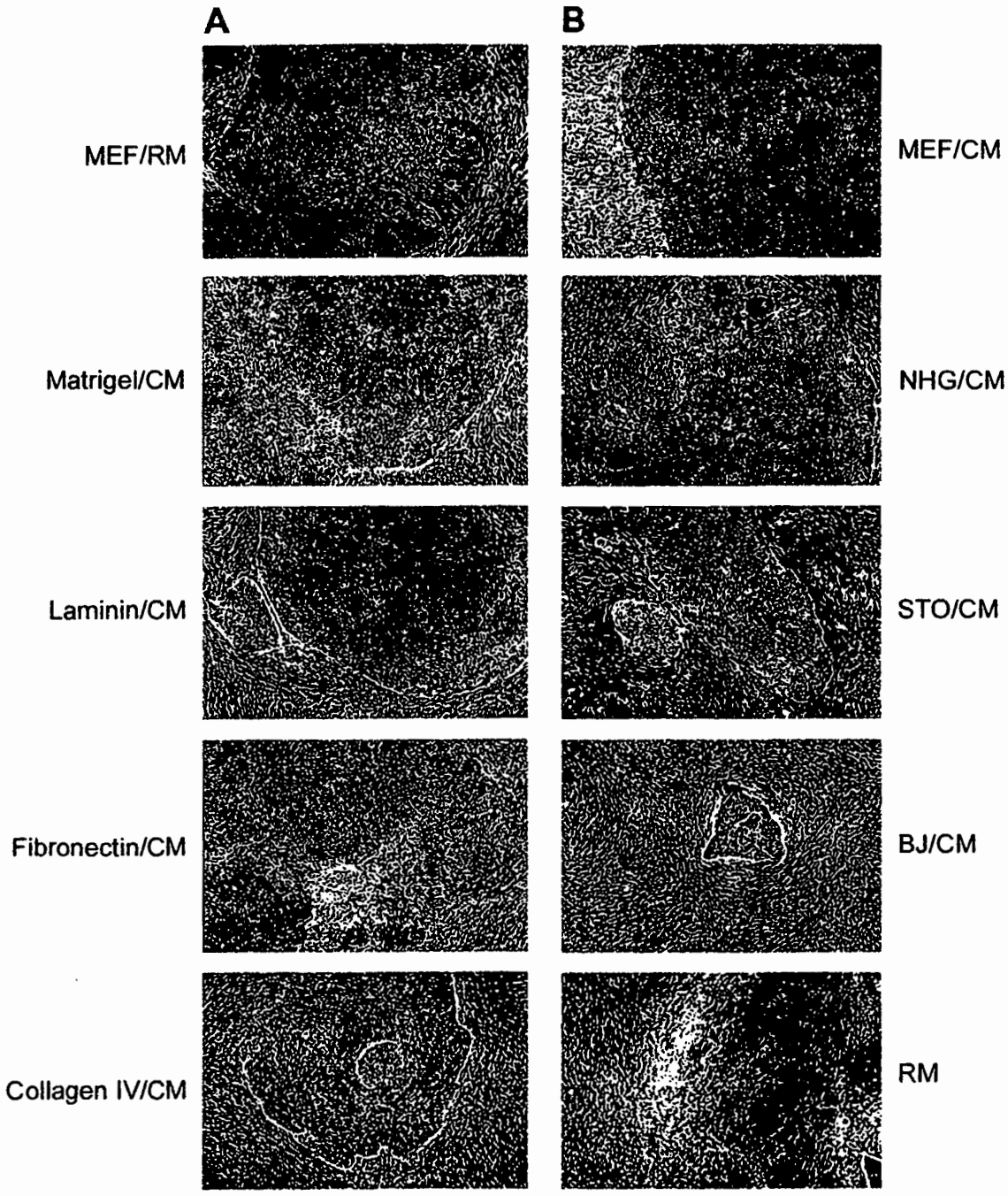

A
B
MEF/RM
MEF/CM
Matrigel/CM
NHG/CM
Laminin/CM
STO/CM
Fibronectin/CM
BJ/CM
Collagen IV/CM
RM

Figure 2

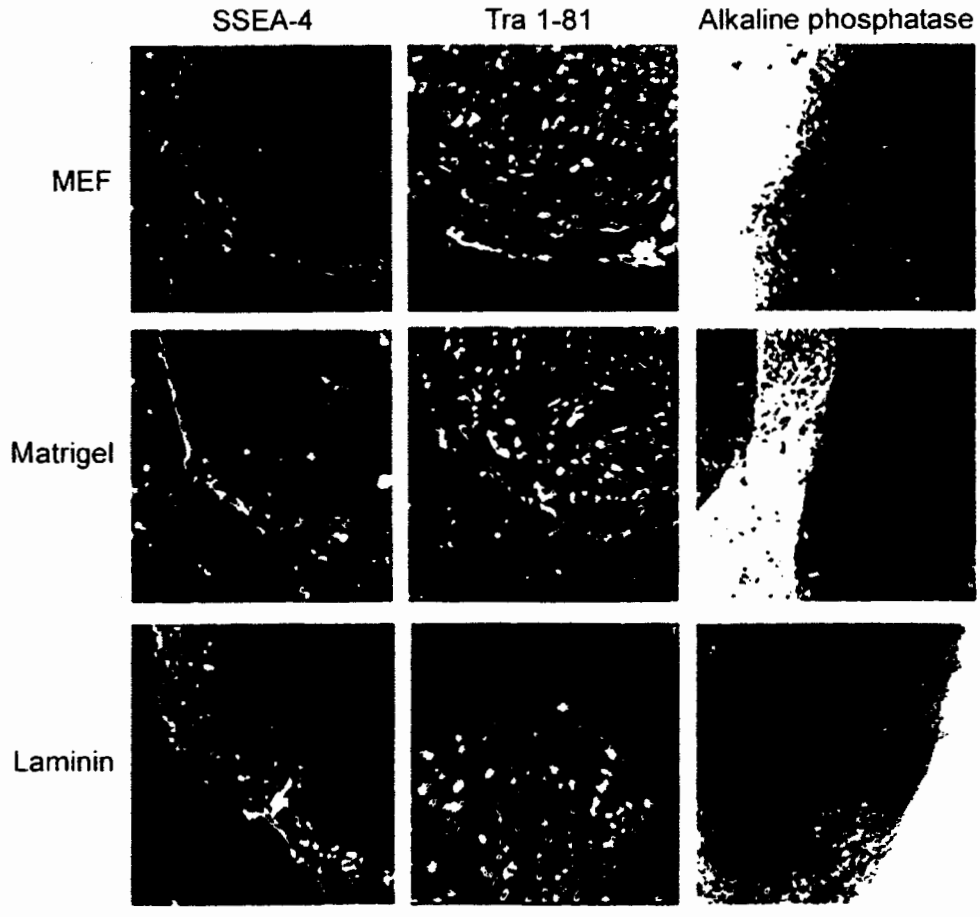
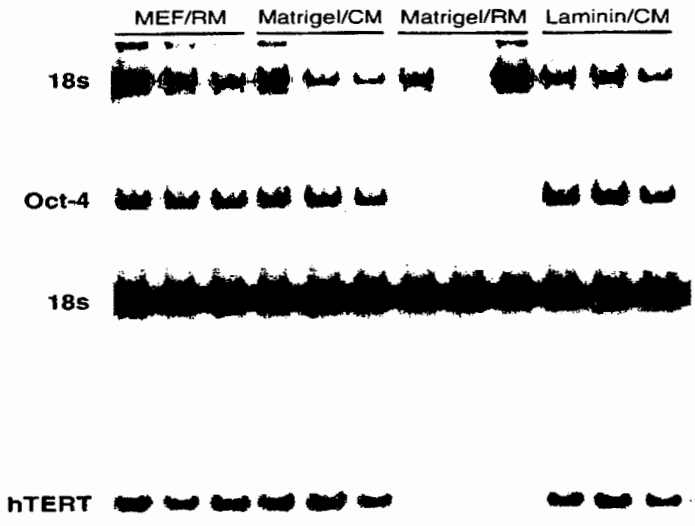
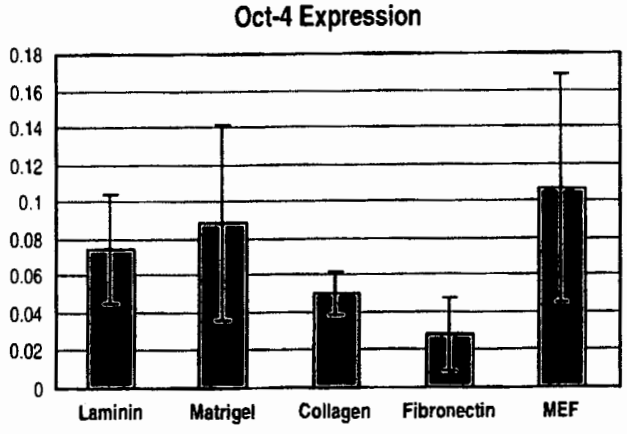


Figure 3


MEF/RM
Matrigel/CM
Matrigel/RM
Laminin/CM
18s
Oct-4
18s
hTERT


Oct-4 Expression
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Laminin
Matrigel
Collagen
Fibronectin
MEF

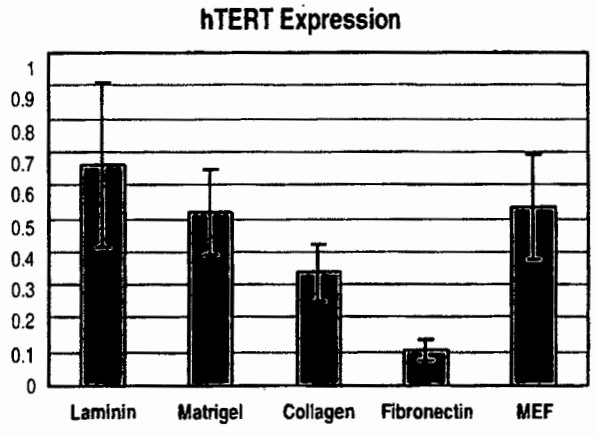

hTERT Expression
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Laminin
Matrigel
Collagen
Fibronectin
MEF

Figure 4

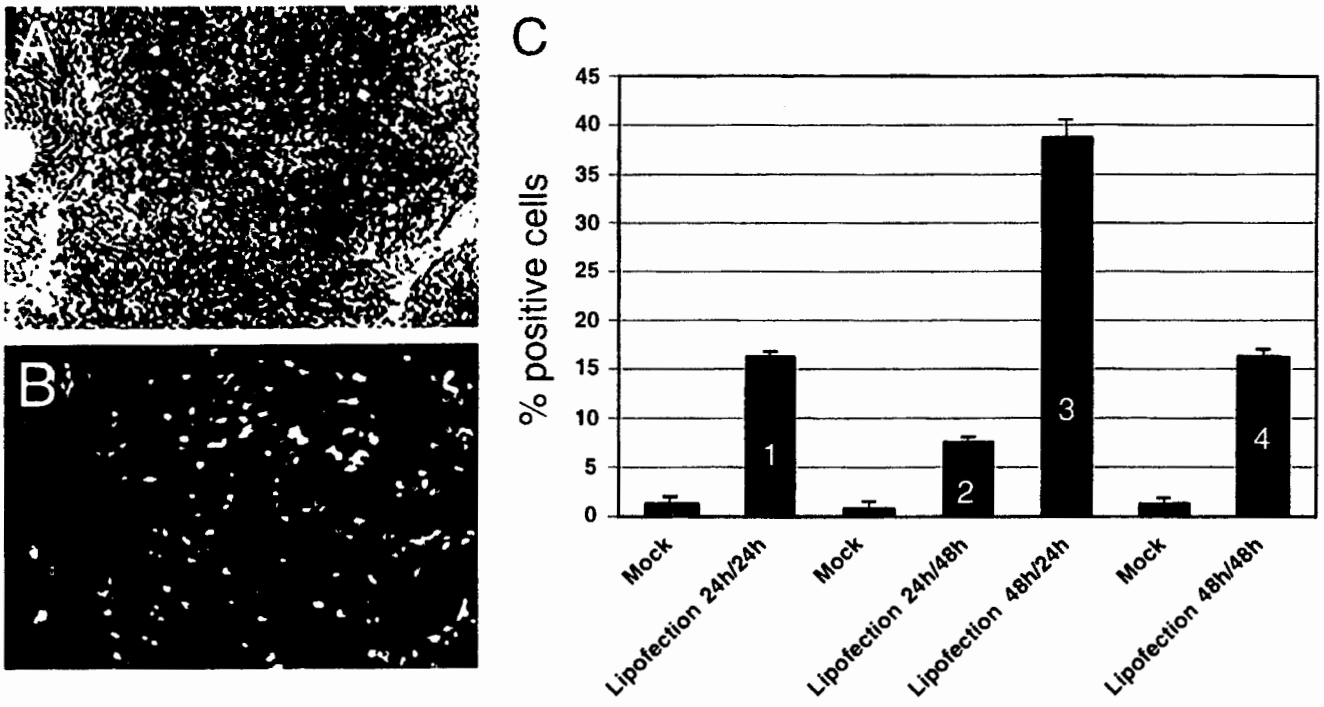

A
B
C
% positive cells
45
40
35
30
25
20
15
10
5
0
1
2
3
4
Mock
Lipofection 24h/24h
Mock
Lipofection 24h/48h
Lipofection 48h/24h
Mock
Lipofection 48h/48h

Figure 5

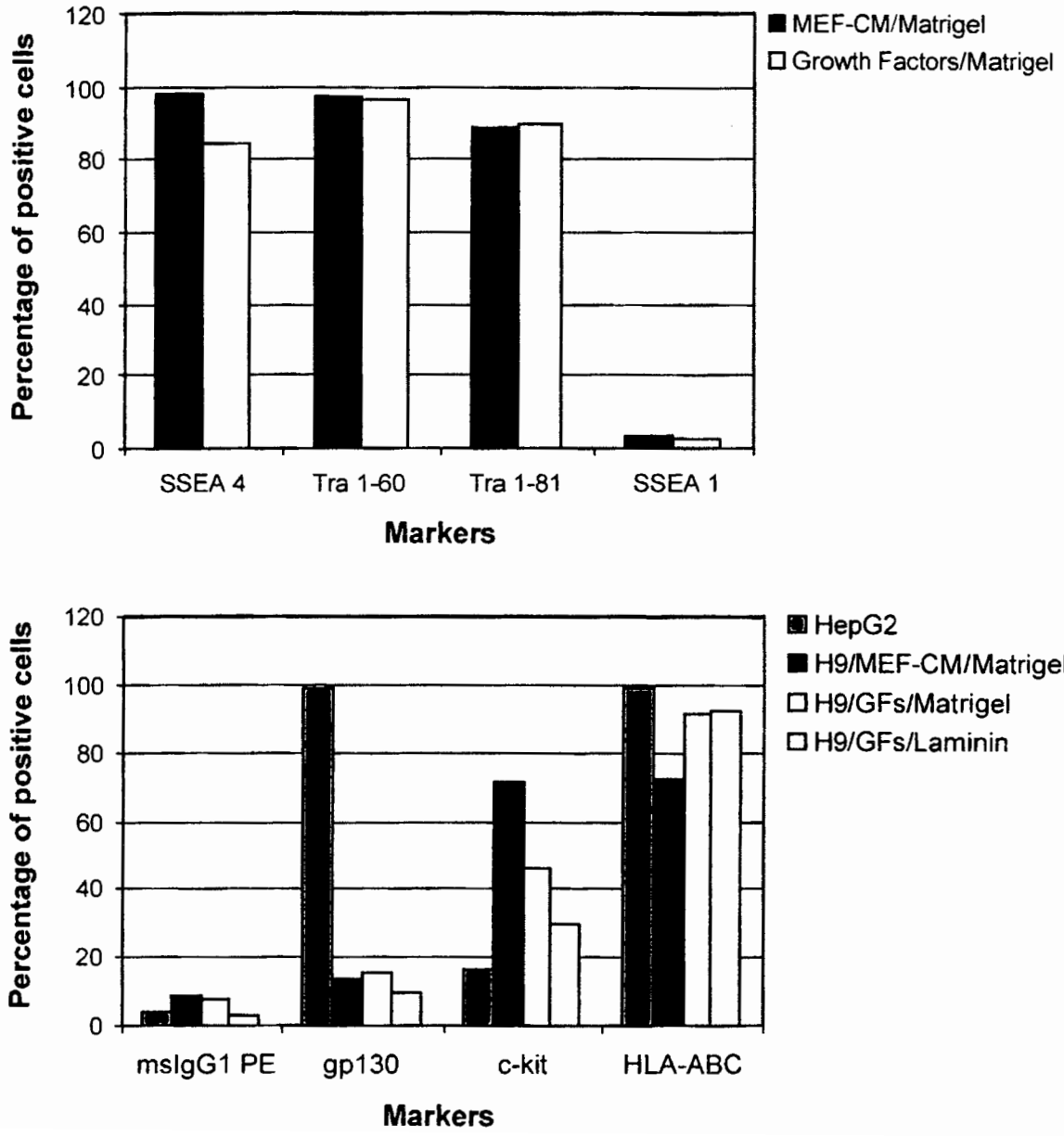

Percentage of positive cells
120
100
80
60
40
20
0
SSEA 4
Tra 1-60
Tra 1-81
SSEA 1
Markers
MEF-CM/Matrigel
Growth Factors/Matrigel
Percentage of positive cells
120
100
80
60
40
20
0
msIgG1 PE
gp130
c-kit
HLA-ABC
Markers
HepG2
H9/MEF-CM/Matrigel
H9/GFs/Matrigel
H9/GFs/Laminin

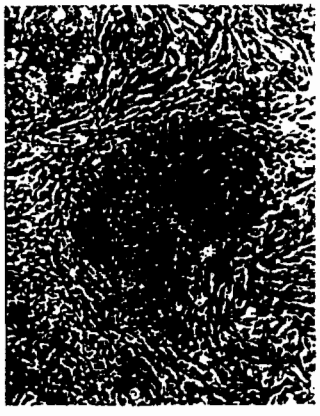
Figure 6



MEF-CM



bFGF-high



bFGF-low



bFGF + SCF



bFGF + Flt-3L

Figure 7

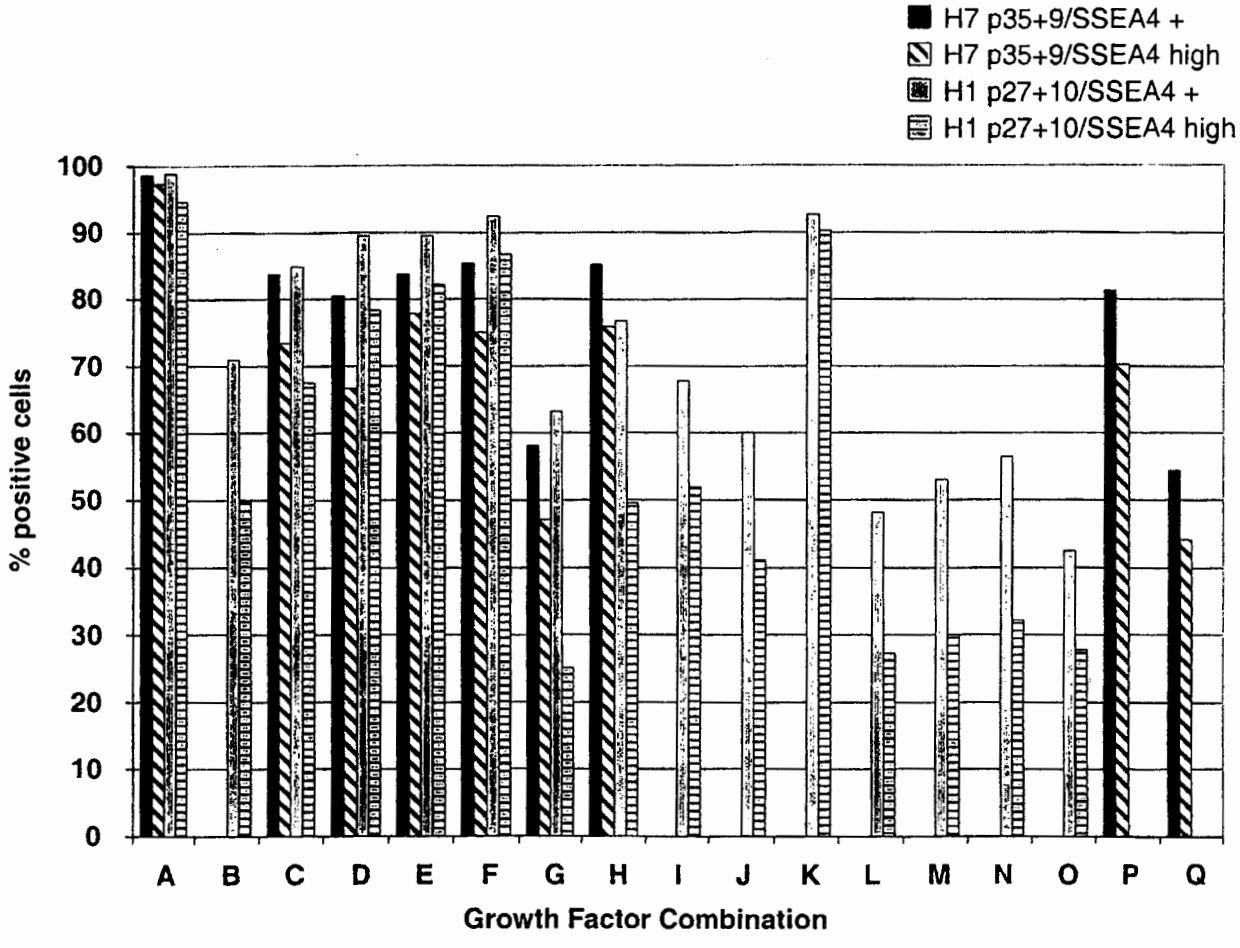

H7 p35+9/SSEA4 +
H7 p35+9/SSEA4 high
H1 p27+10/SSEA4 +
H1 p27+10/SSEA4 high
% positive cells
100
90
80
70
60
50
40
30
20
10
0
A
B
C
D
E
F
G
H
I
J
K
L
M
N
O
P
Q
Growth Factor Combination

Figure 8

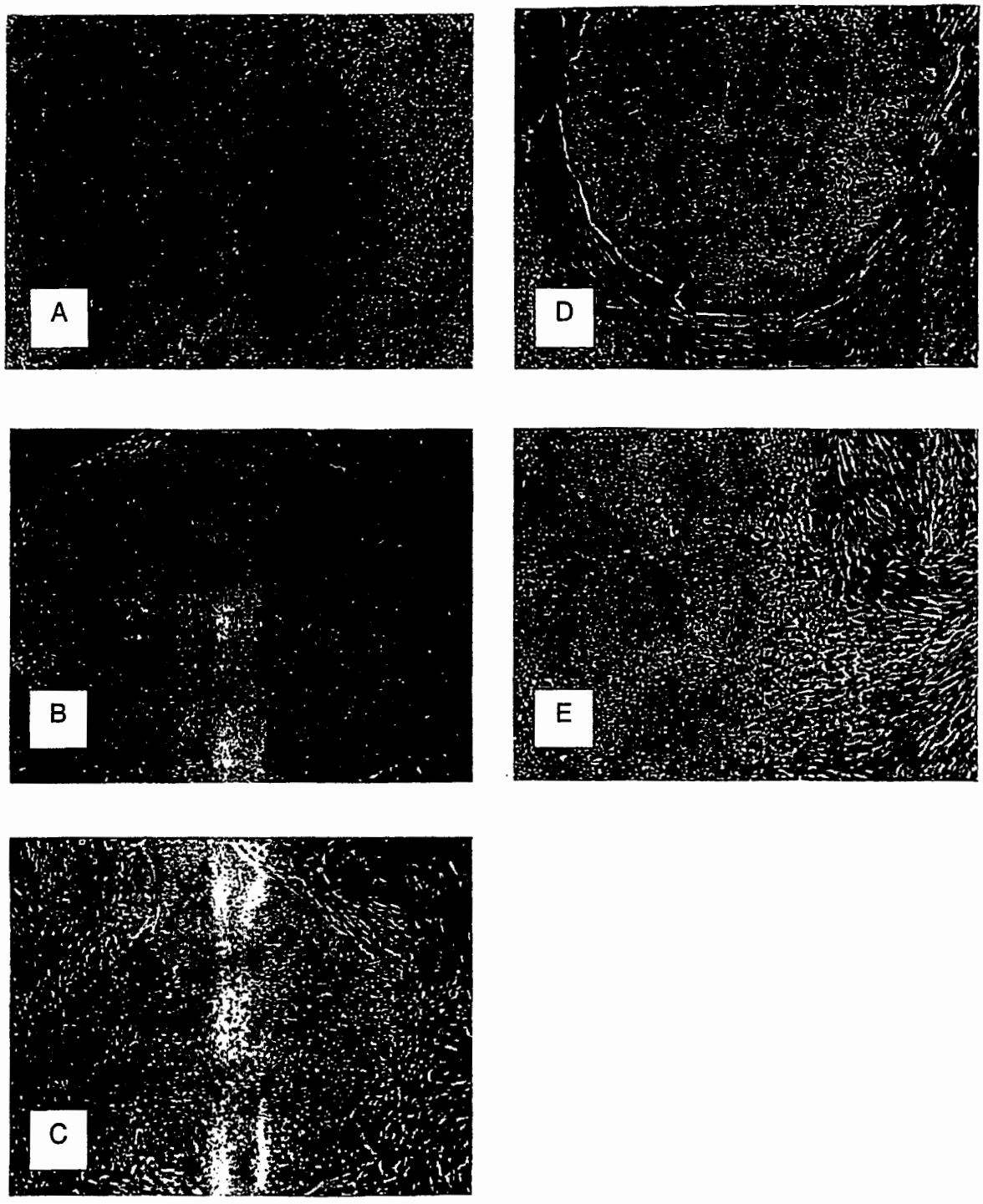
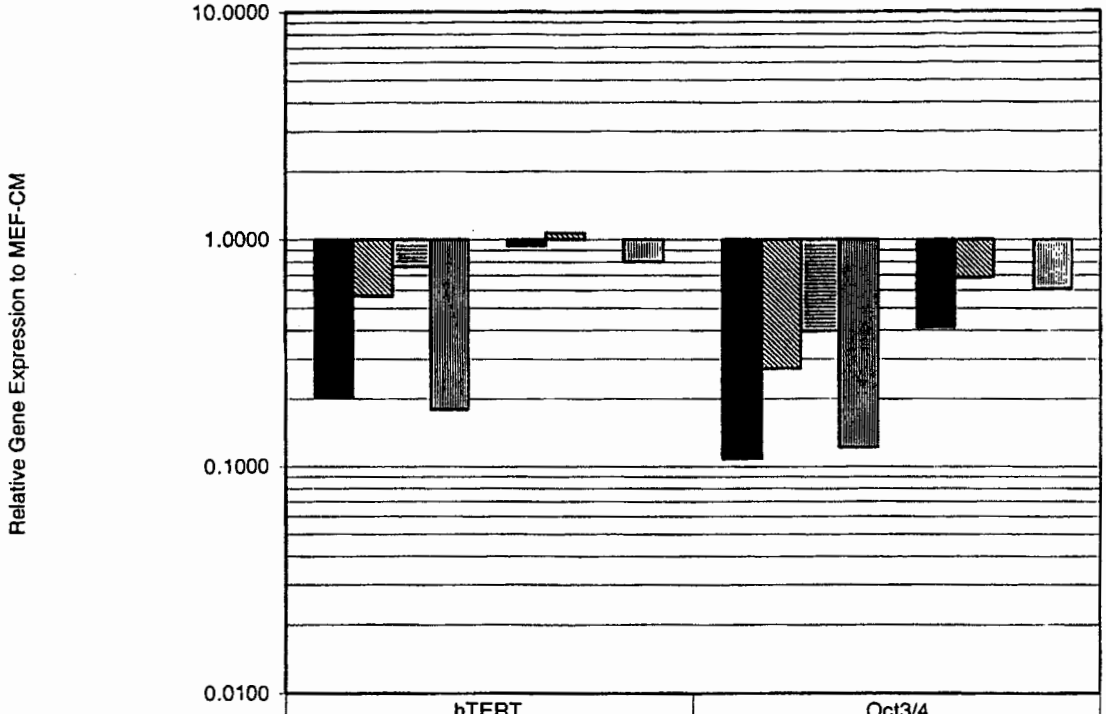
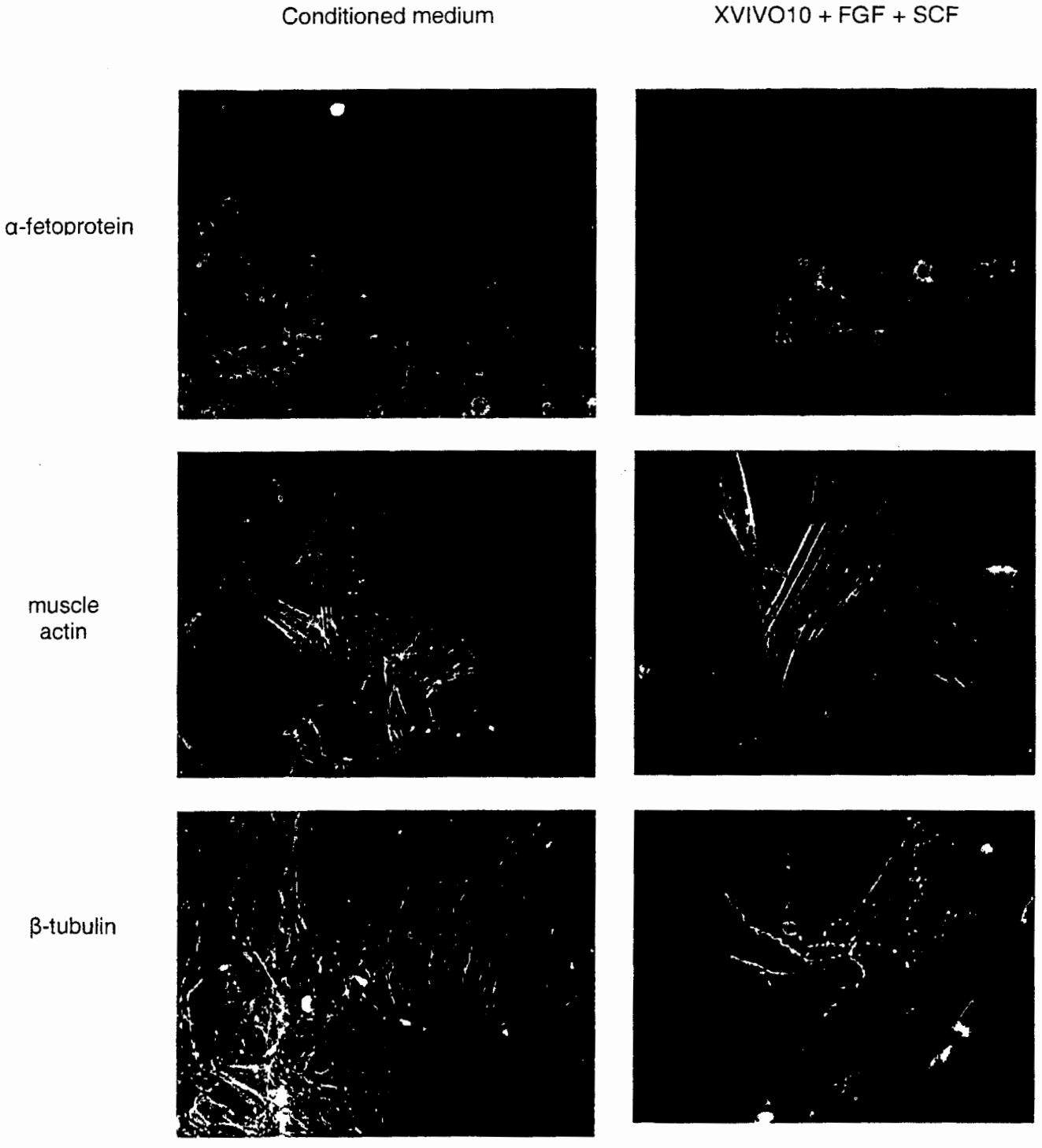


Figure 9



	hTERT	Oct3/4
XVIVO+FGF(40ng/ml)	0.2017	0.1081
XVIVO+FGF(40ng/ml)+SCF(15ng/ml)	0.5664	0.2717
XVIVO+FGF(40ng/ml)+FL(75ng/ml)	0.7631	0.3978
QBSF+FGF(40ng/ml)	0.1792	0.1216
XVIVO+FGF(40ng/ml) in MEF-CM	0.9395	0.4118
XVIVO+FGF(40ng/ml)+SCF(15ng/ml) in MEF-CM	1.0718	0.6830
QBSF+FGF(40ng/ml) in MEF-CM	0.8011	0.6113

Figure 10


Conditioned medium
XVIVO10 + FGF + SCF
α-fetoprotein
muscle actin
β-tubulin