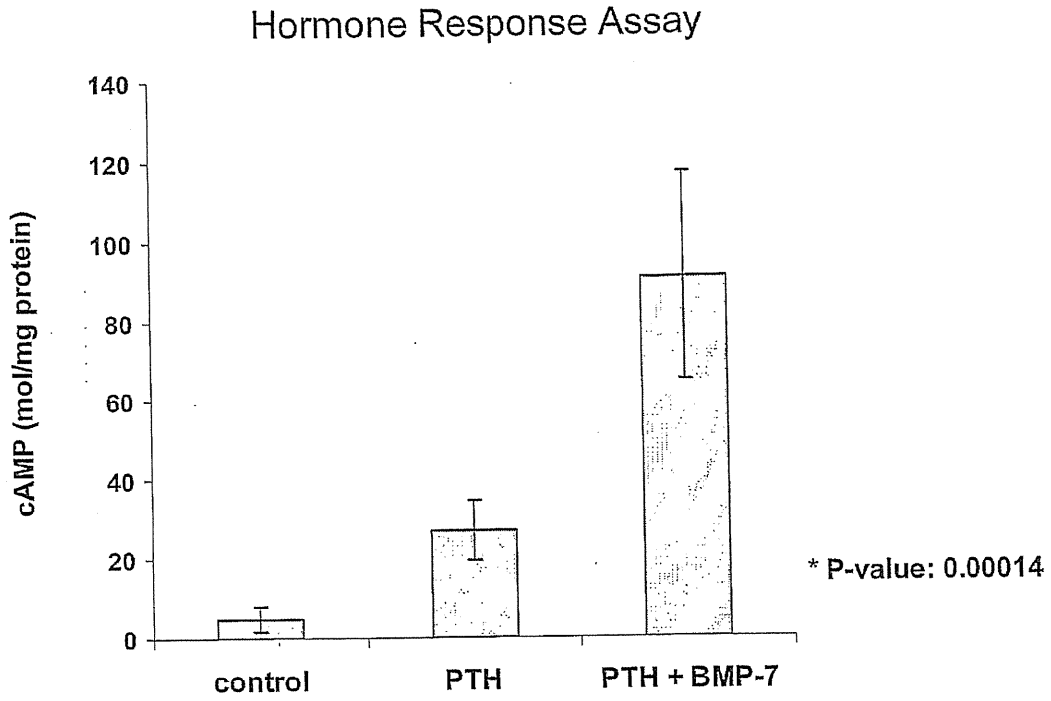


PTH -parathyroid hormone (100 nmol/L)
Human Recombinant BMP-7, 1 nM (25 ng/ml)

FIG. 1

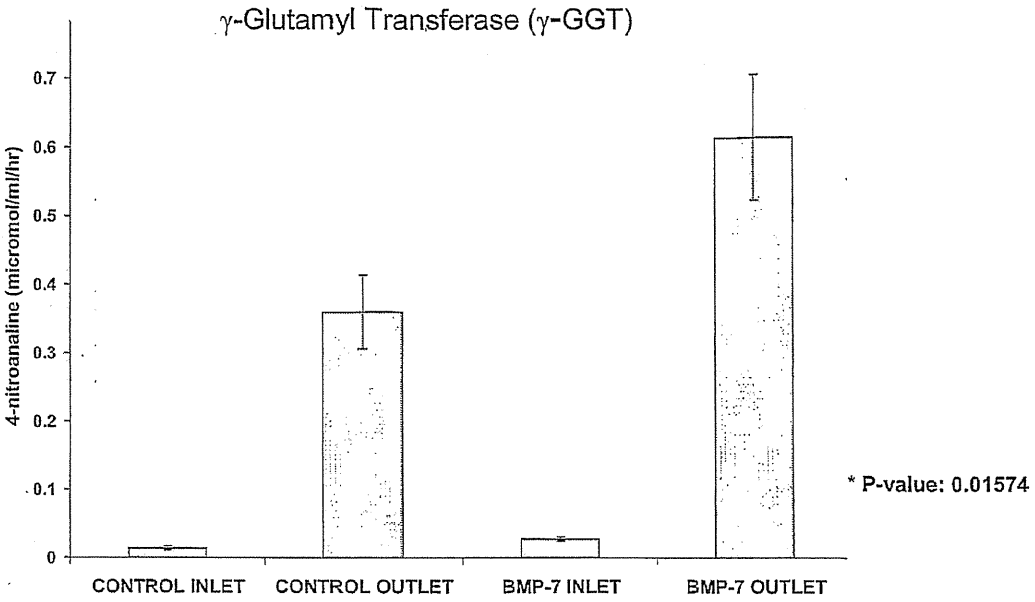

γ-Glutamyl Transferase (γ-GGT)
4-nitroanaline (micromol/ml/hr)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
CONTROL INLET
CONTROL OUTLET
BMP-7 INLET
BMP-7 OUTLET
* P-value: 0.01574

FIG. 2

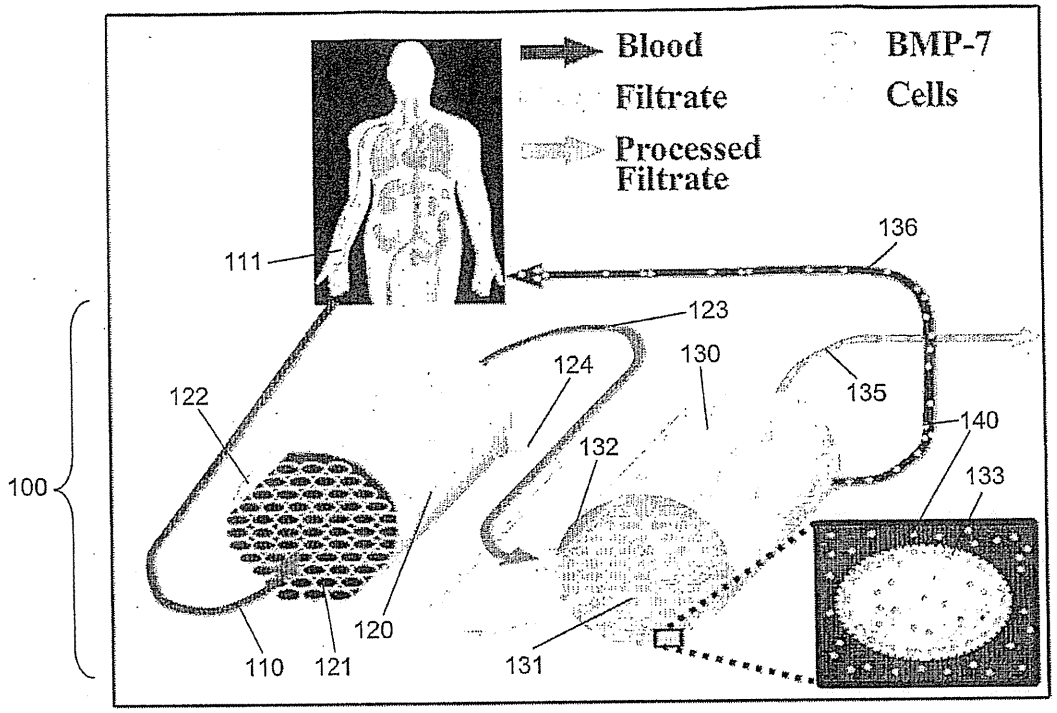

Blood
Filtrate
Processed Filtrate
BMP-7
Cells
111
136
123
124
130
135
122
140
132
133
100
120
110
121
131

FIG. 3

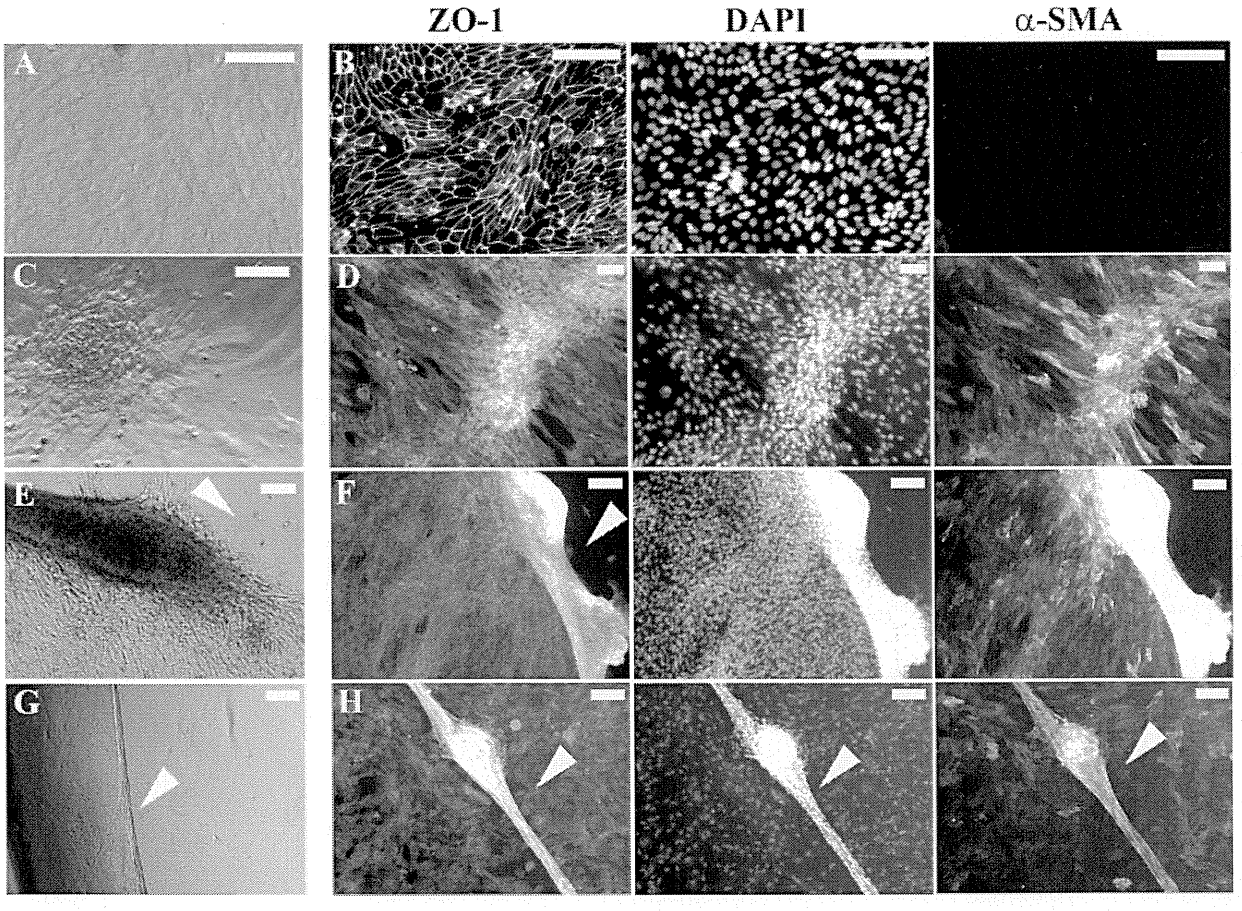


FIG. 4

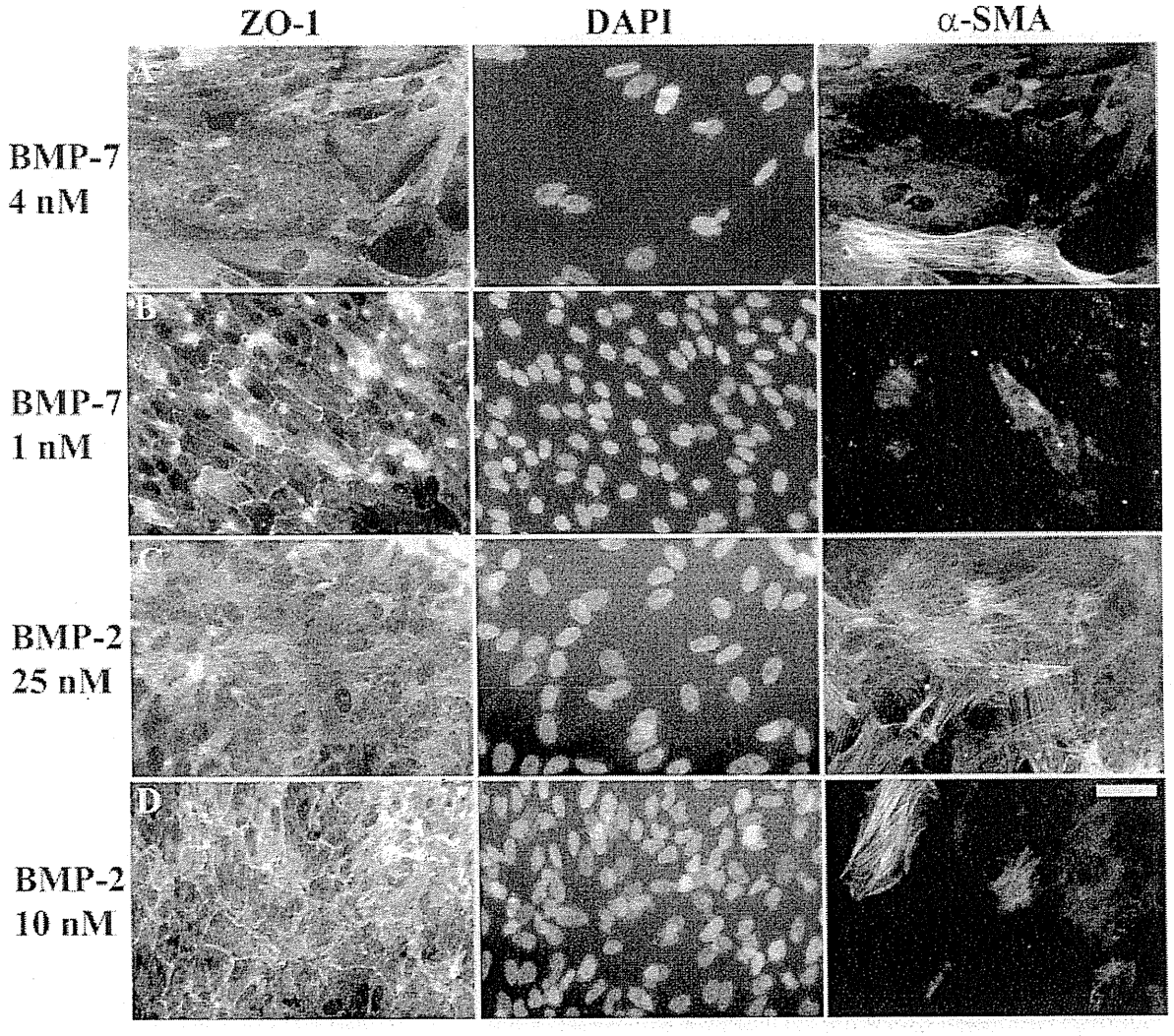


FIG. 5

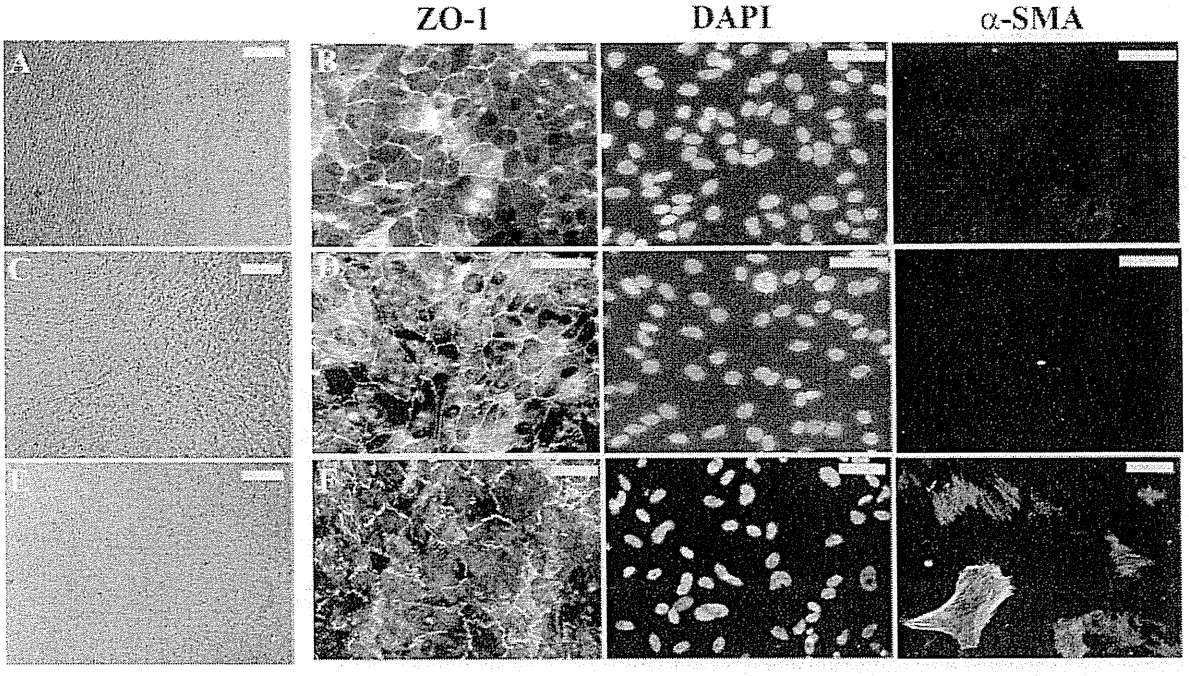


FIG. 6

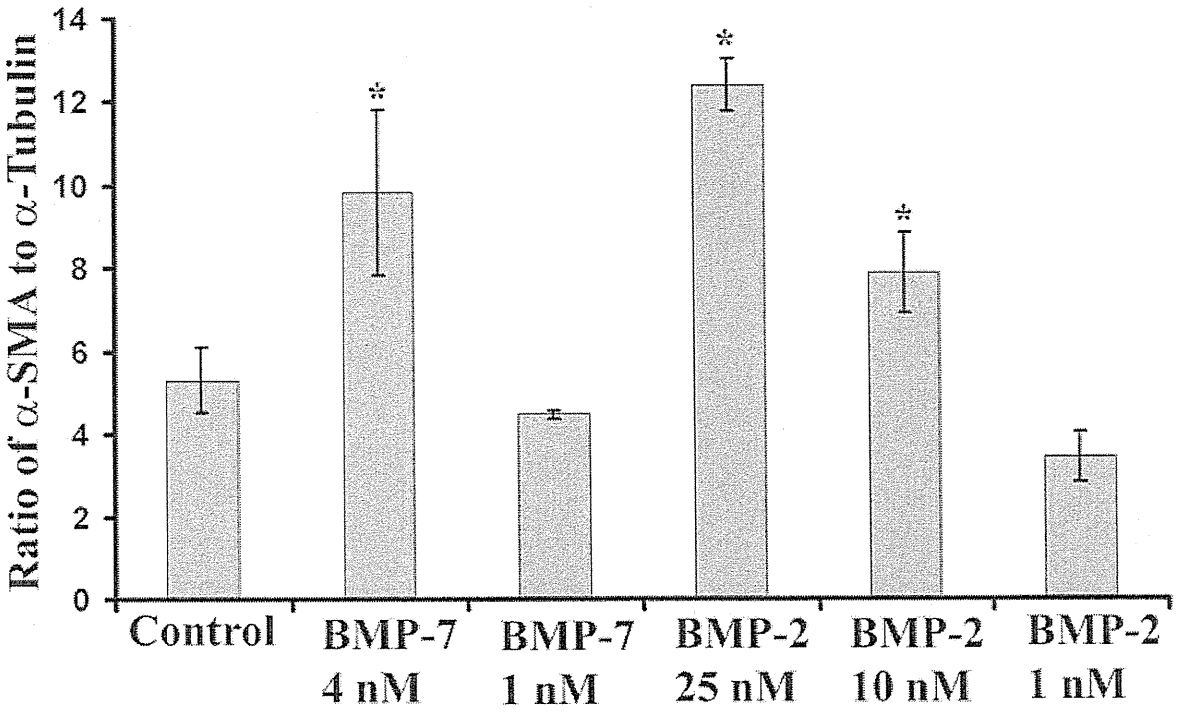

Ratio of α-SMA to α-Tubulin
14
12
10
8
6
4
2
0
*
*
*
Control
BMP-7 4 nM
BMP-7 1 nM
BMP-2 25 nM
BMP-2 10 nM
BMP-2 1 nM

FIG. 7

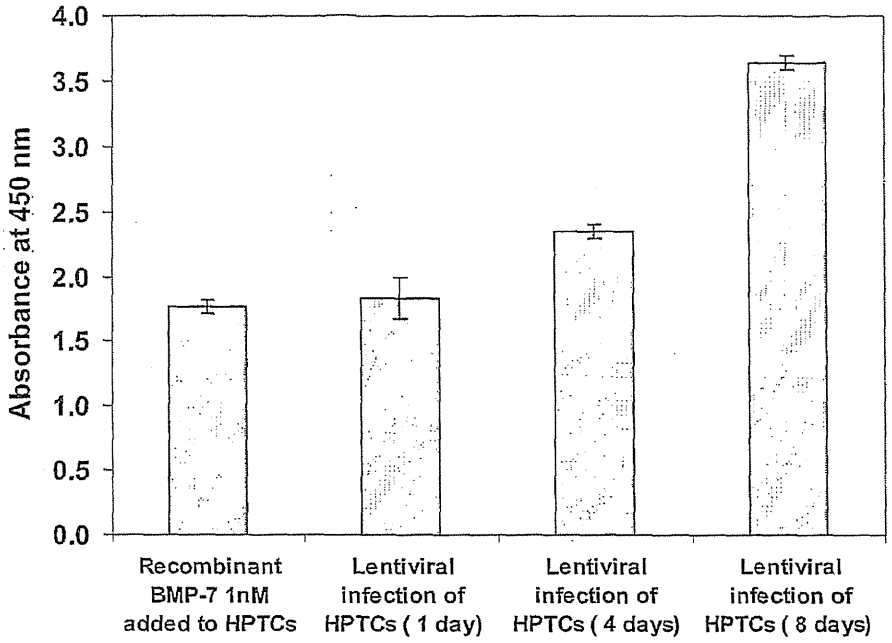

4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Absorbance at 450 nm
Recombinant BMP-7 1nM added to HPTCs
Lentiviral infection of HPTCs (1 day)
Lentiviral infection of HPTCs (4 days)
Lentiviral infection of HPTCs (8 days)

FIG. 8