Figure 1

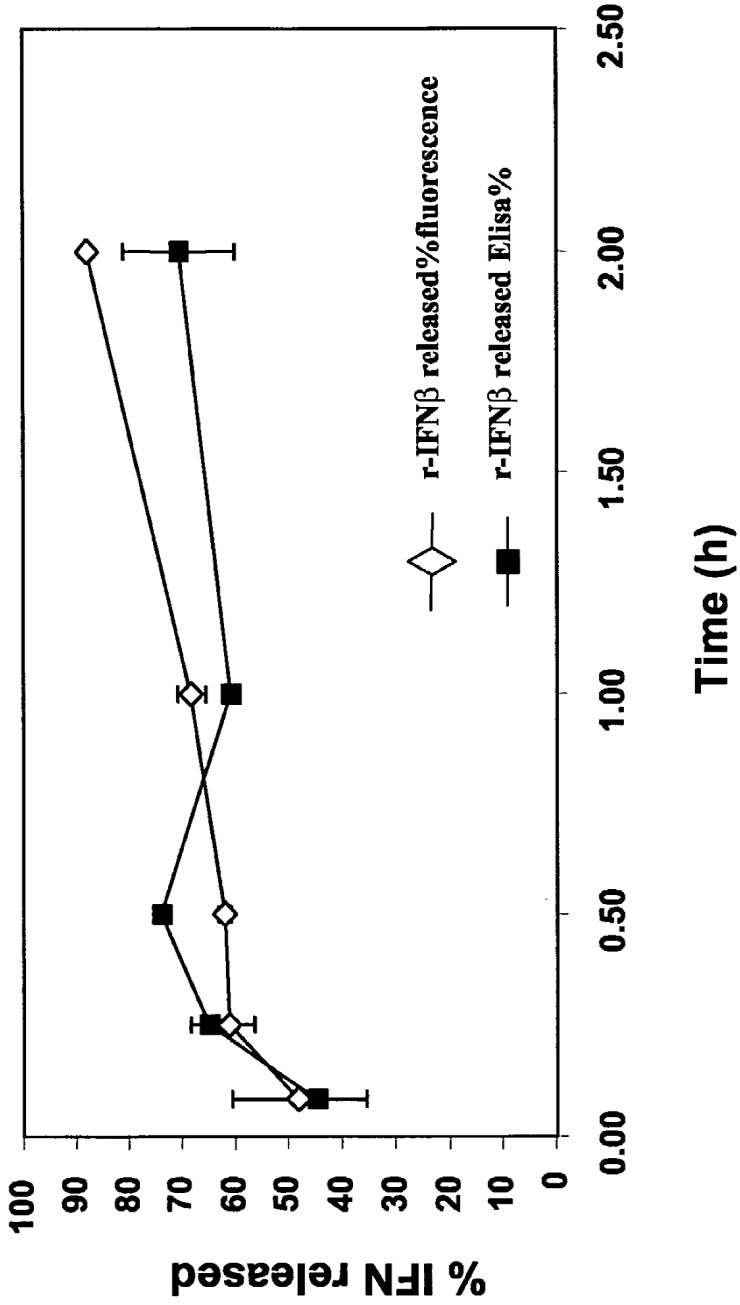

% IFN released
100
90
80
70
60
50
40
30
20
10
0
0.00
0.50
1.00
1.50
2.00
2.50
Time (h)
r-IFNβ released%fluorescence
r-IFNβ released Elisa%

Figure 2

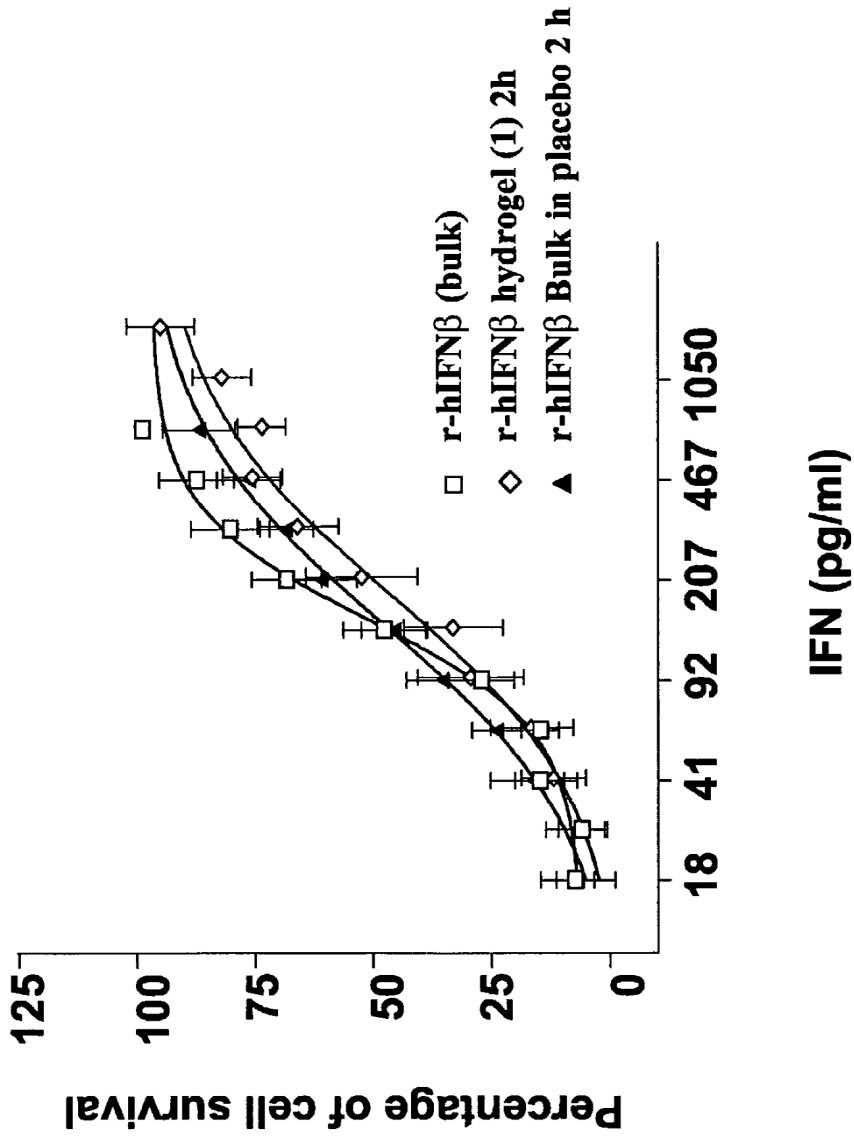

Percentage of cell survival
125
100
75
50
25
0
18
41
92
207
467
1050
IFN (pg/ml)
r-hIFNβ (bulk)
r-hIFNβ hydrogel (1) 2h
r-hIFNβ Bulk in placebo 2 h

Figure 3

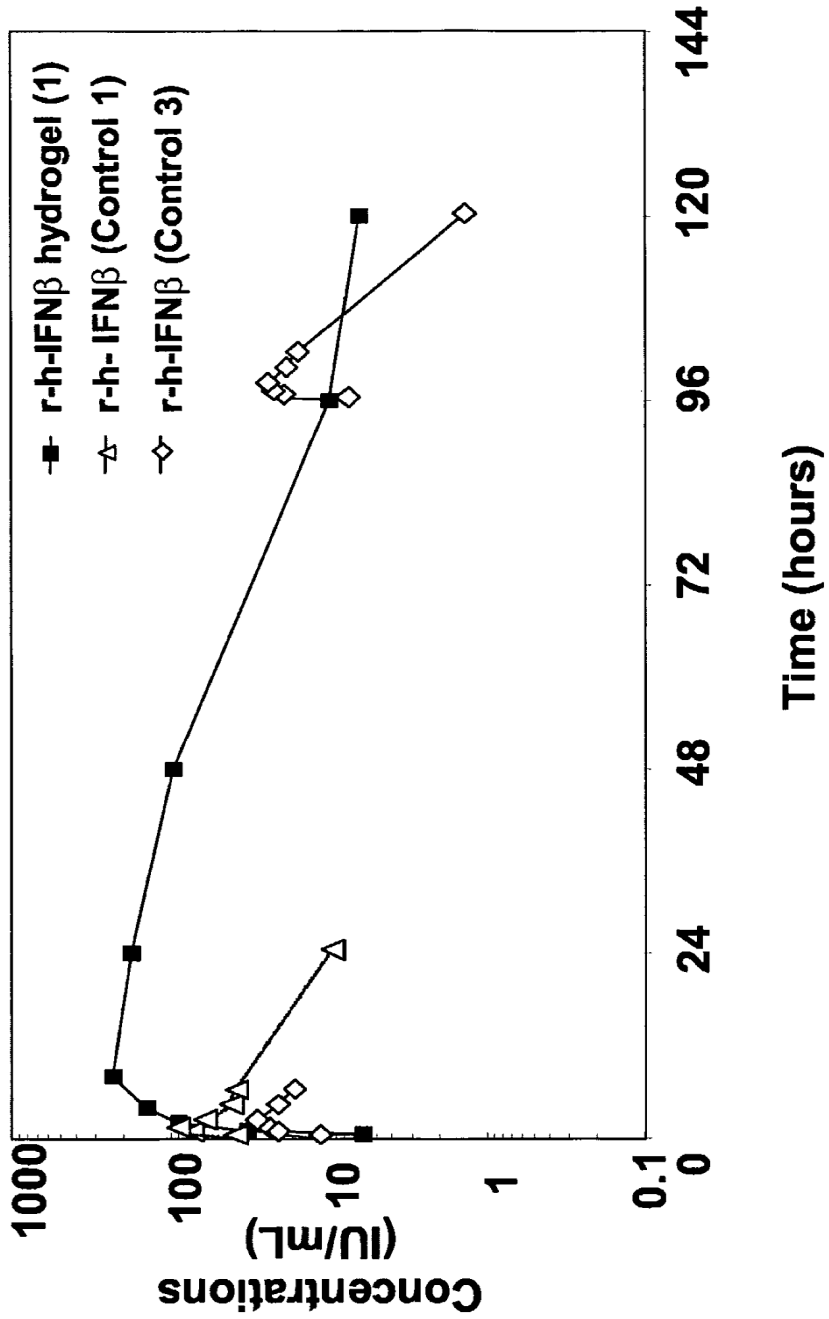

r-h-IFNβ hydrogel (1)
r-h- IFNβ (Control 1)
r-h-IFNβ (Control 3)
Concentrations (IU/mL)
1000
100
10
1
0.1
0
24
48
72
96
120
144
Time (hours)

Figure 4

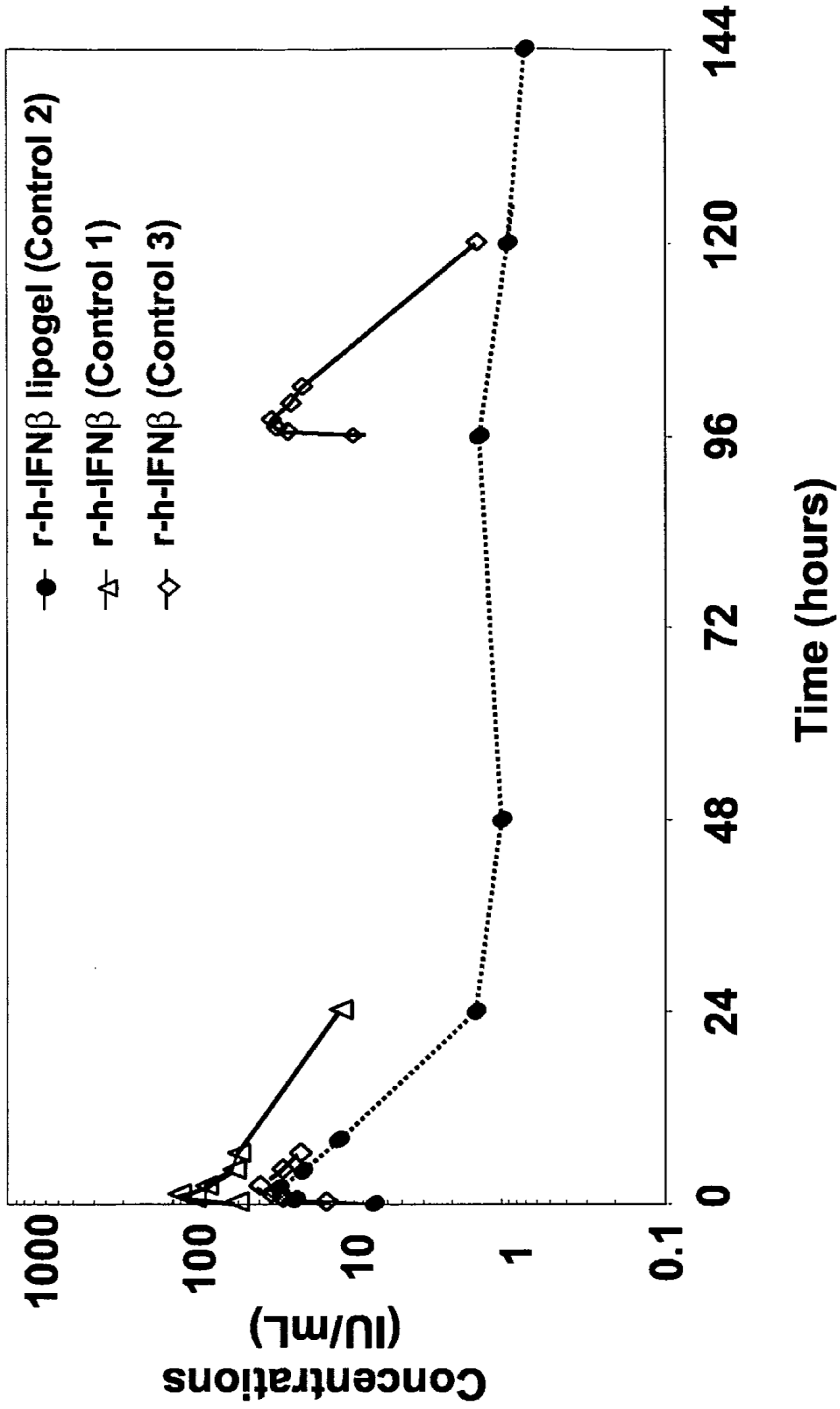

r-h-IFNβ lipogel (Control 2)
r-h-IFNβ (Control 1)
r-h-IFNβ (Control 3)
Concentrations (IU/mL)
1000
100
10
1
0.1
0
24
48
72
96
120
144
Time (hours)

Figure 5

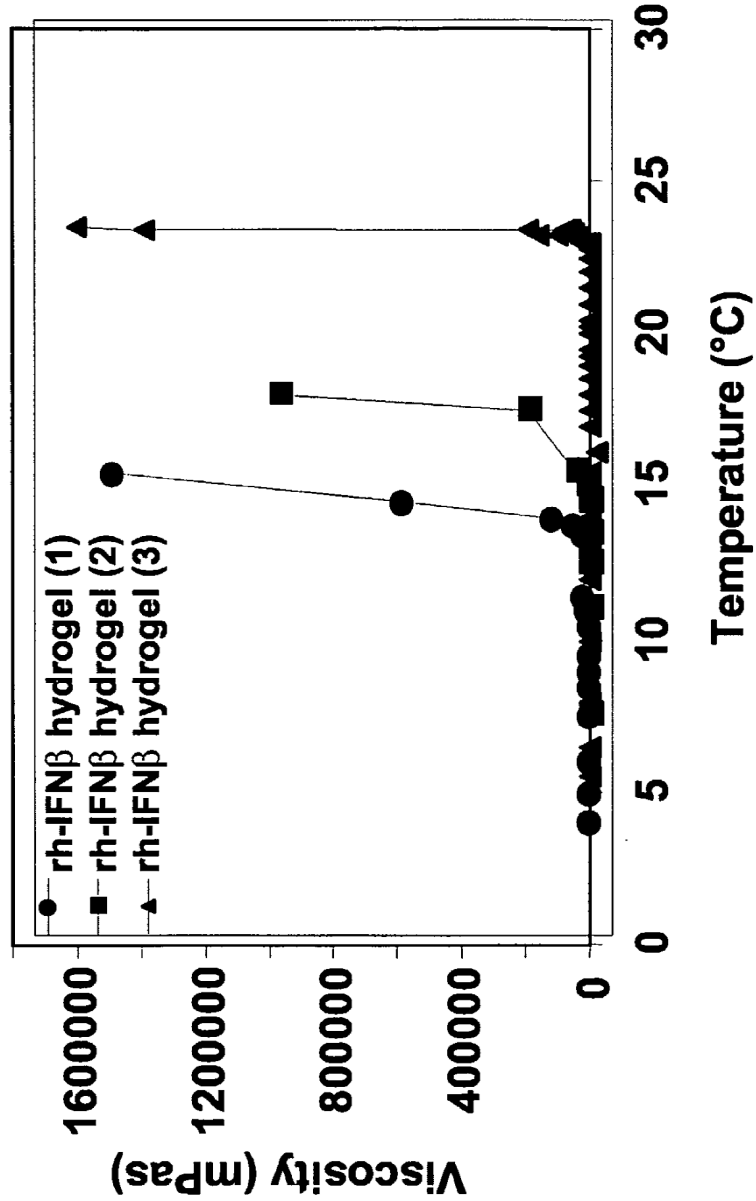
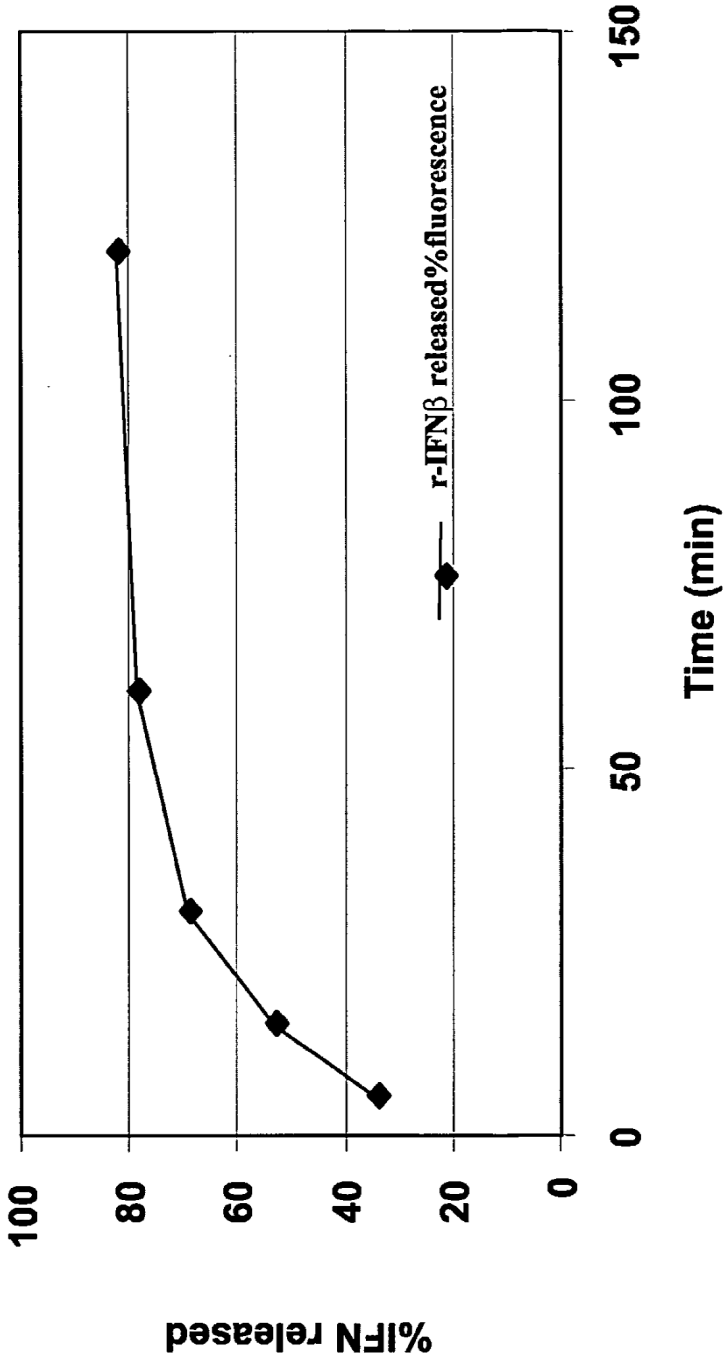

rh-IFNβ hydrogel (1)
rh-IFNβ hydrogel (2)
rh-IFNβ hydrogel (3)
Viscosity (mPas)
1600000
1200000
800000
400000
0
0
5
10
15
20
25
30
Temperature (°C)

Figure 6


%IFN released
100
80
60
40
20
0
0
50
100
150
Time (min)
r-IFNβ released%fluorescence