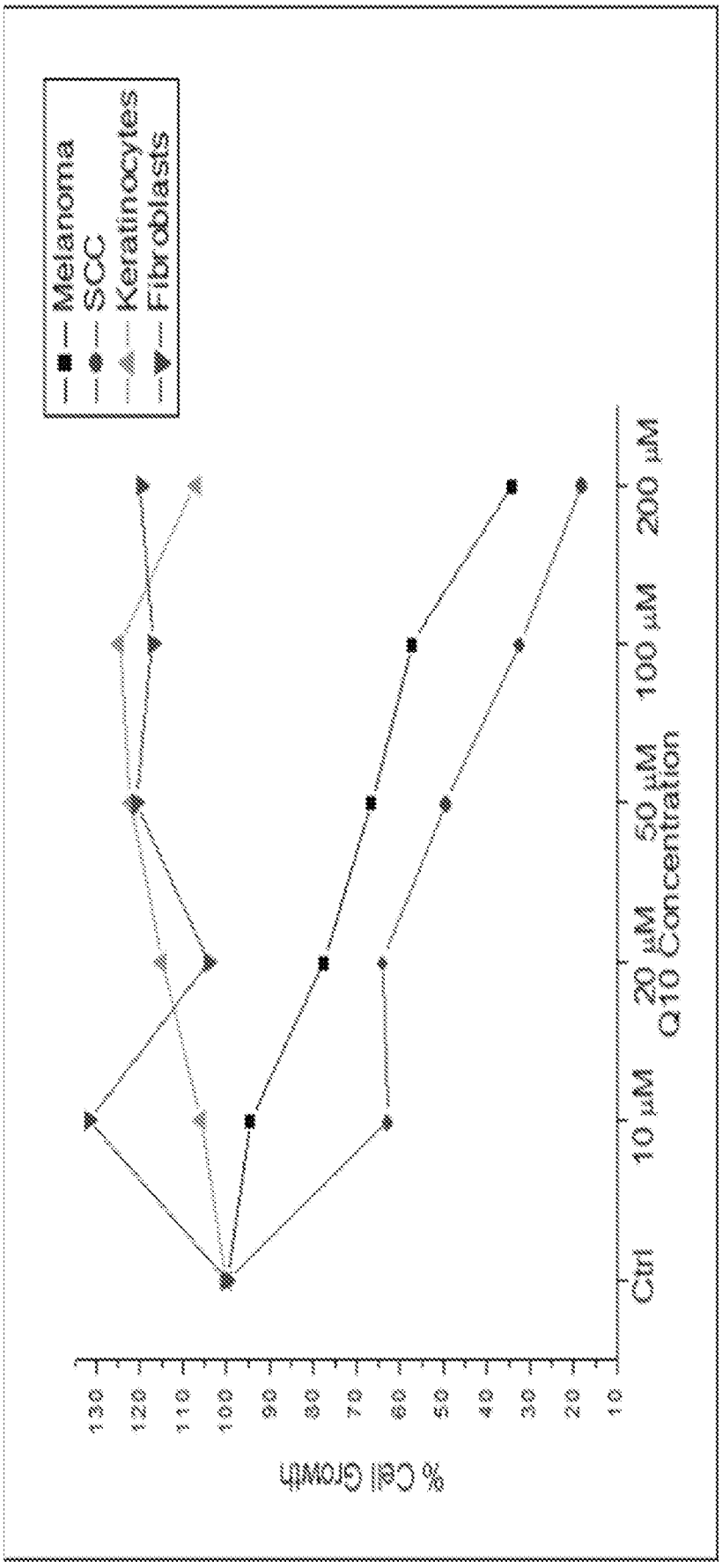

Melanoma
SCC
Keratinocytes
Fibroblasts
% Cell Growth
130
120
110
100
90
80
70
60
50
40
30
20
10
Ctrl
10 µM
20 µM
50 µM
100 µM
200 µM
Q10 Concentration

Fig. 1

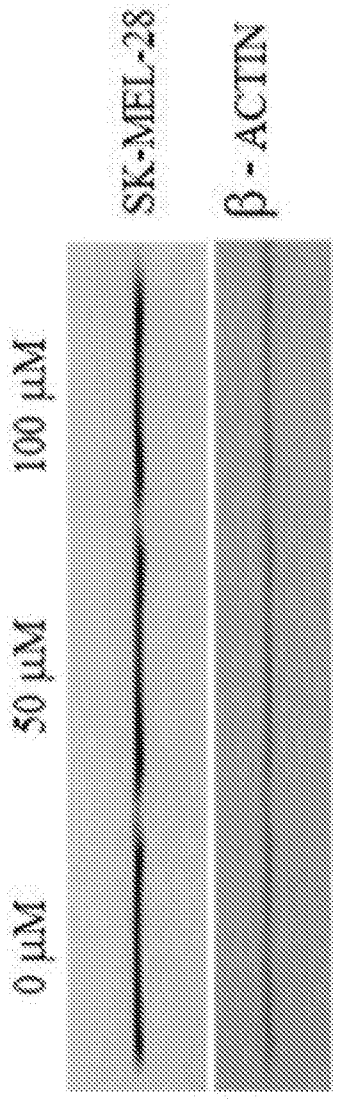


Fig. 2A

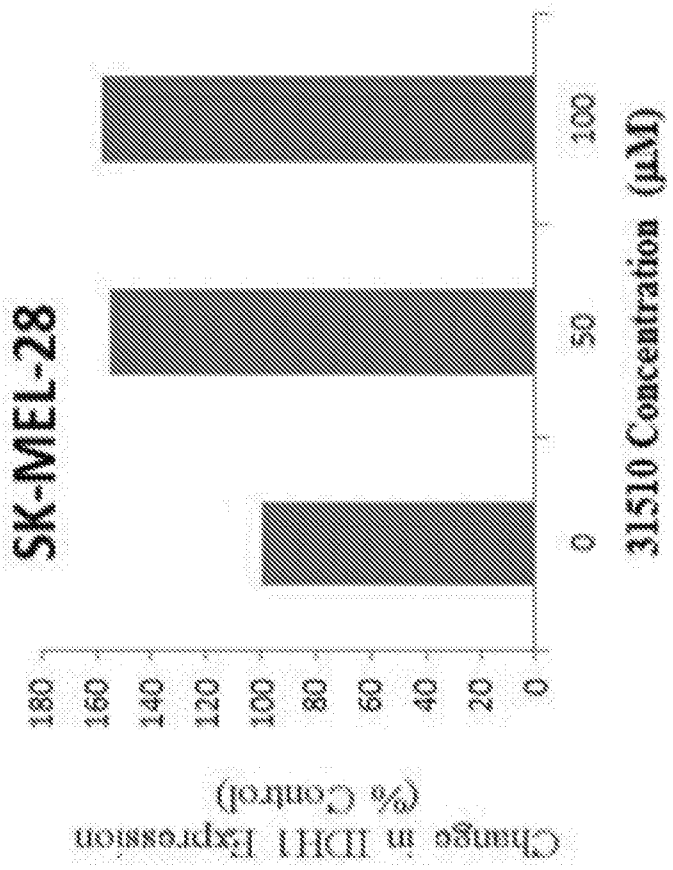

SK-MEL-28
Change in IDH1 Expression
(% Control)
180
160
140
120
100
80
60
40
20
0
0
50
100
31510 Concentration (μM)

Fig. 2B

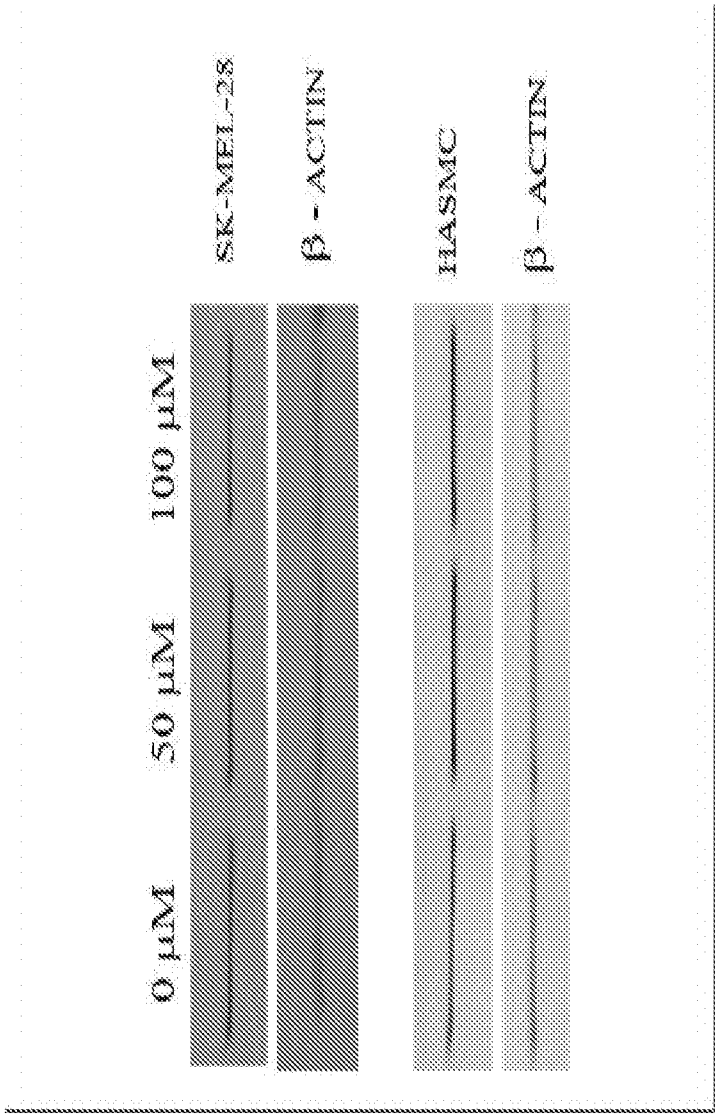
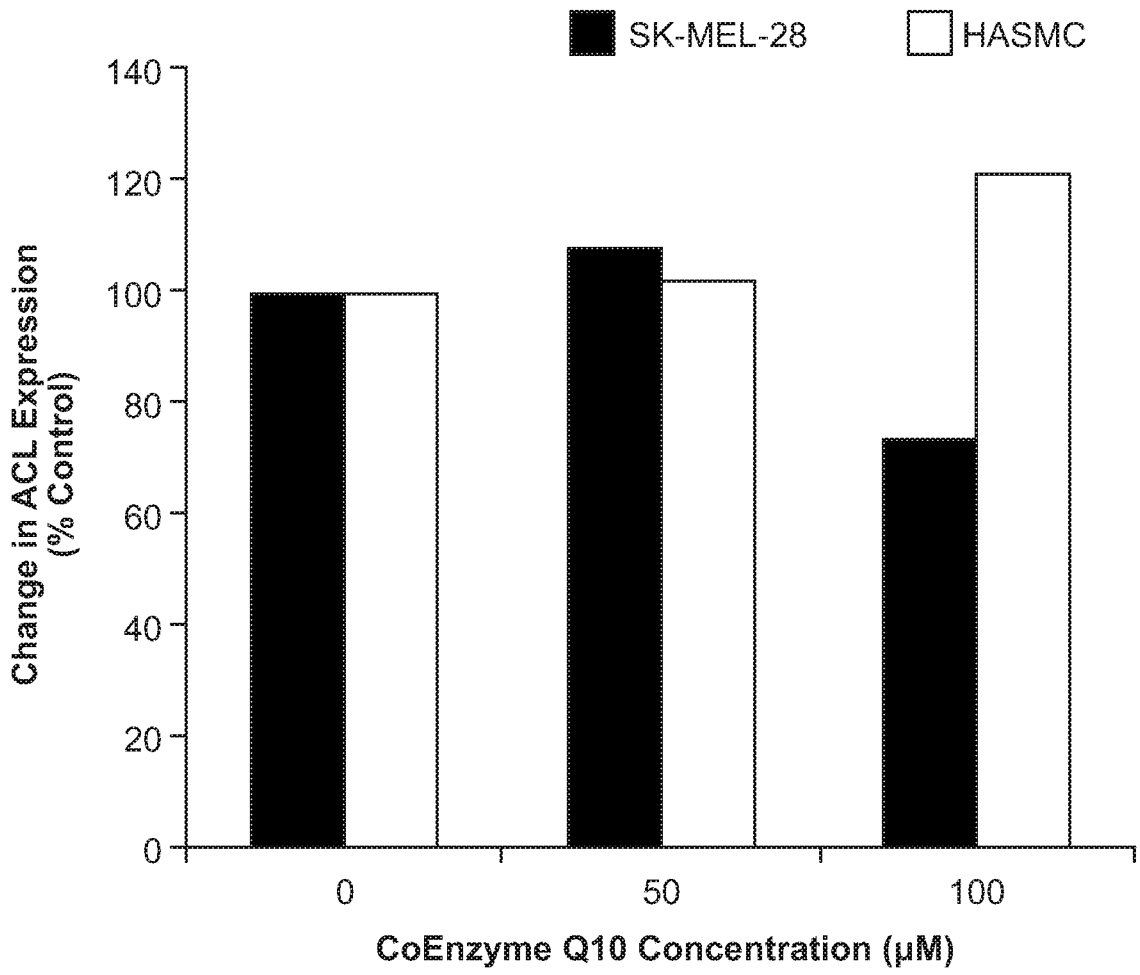


Fig. 3A

Fig. 3B


SK-MEL-28
HASMC
140
120
100
80
60
40
20
0
Change in ACL Expression (% Control)
0
50
100
CoEnzyme Q10 Concentration (μM)

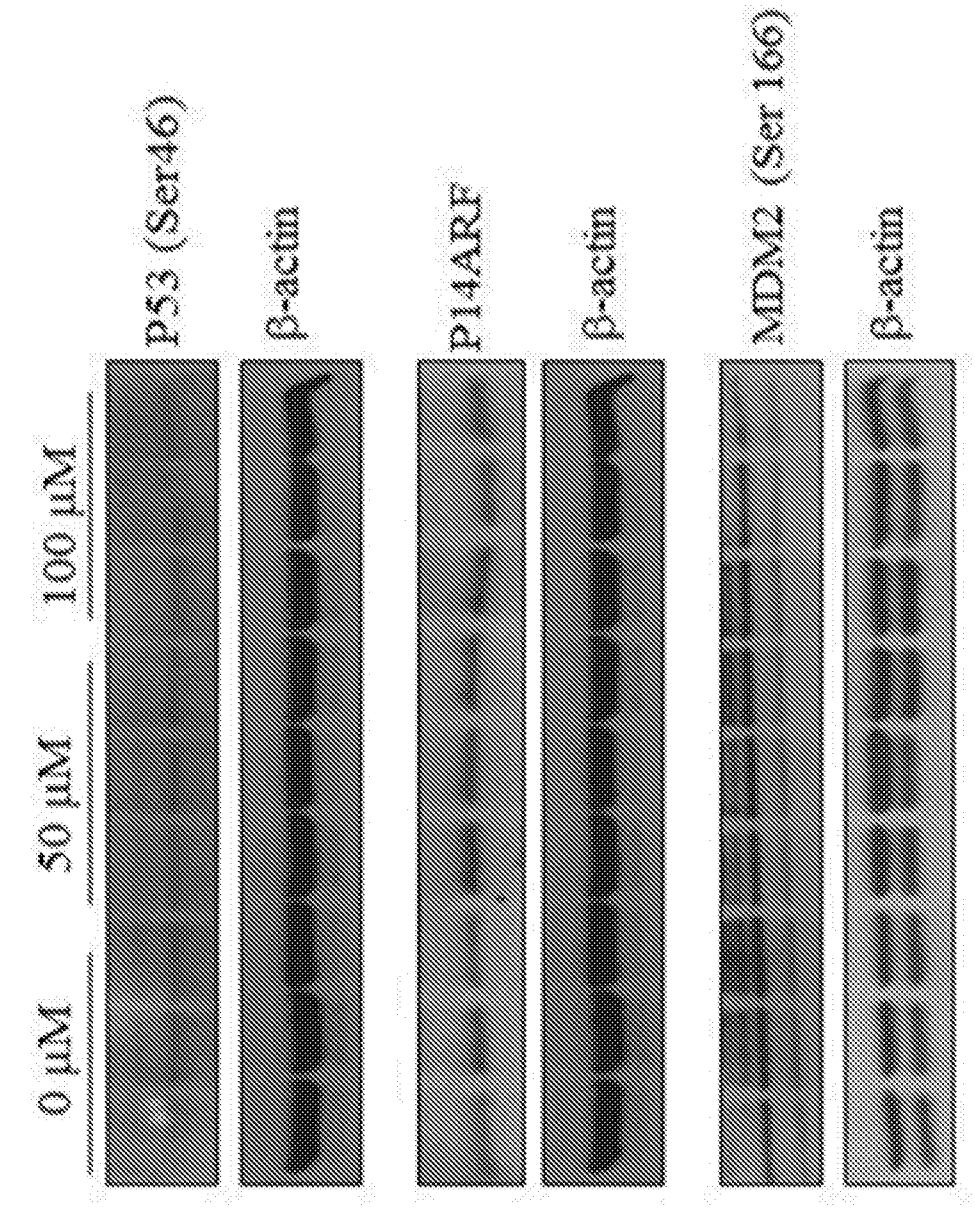
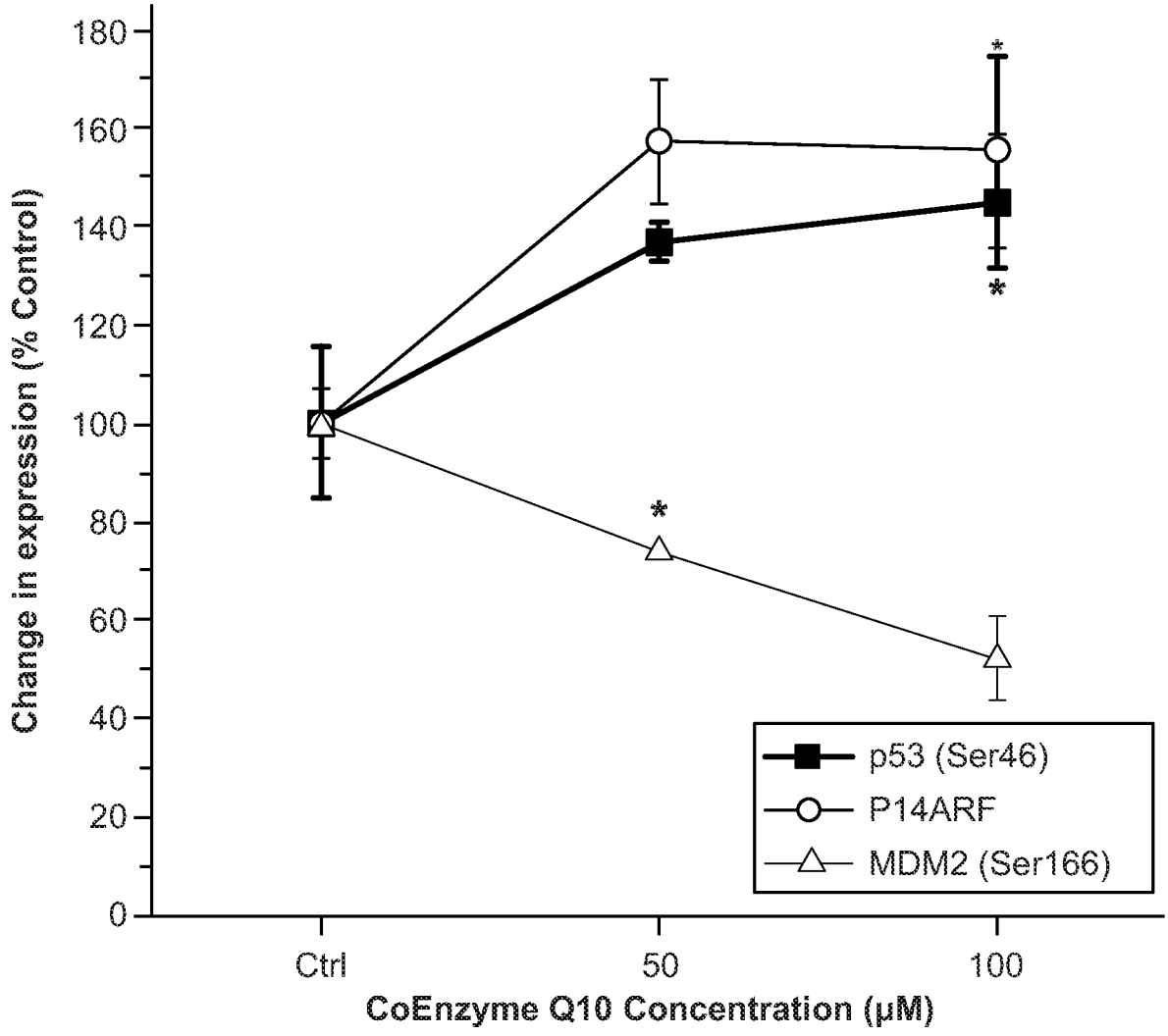

0 μM
50 μM
100 μM
P53 (Ser46)
β-actin
P14ARF
β-actin
MDM2 (Ser 166)
β-actin

Fig. 4A

Fig. 4B


180
160
140
120
100
80
60
40
20
0
Change in expression (% Control)
Ctrl
50
100
CoEnzyme Q10 Concentration (µM)
p53 (Ser46)
P14ARF
MDM2 (Ser166)
*
*
*

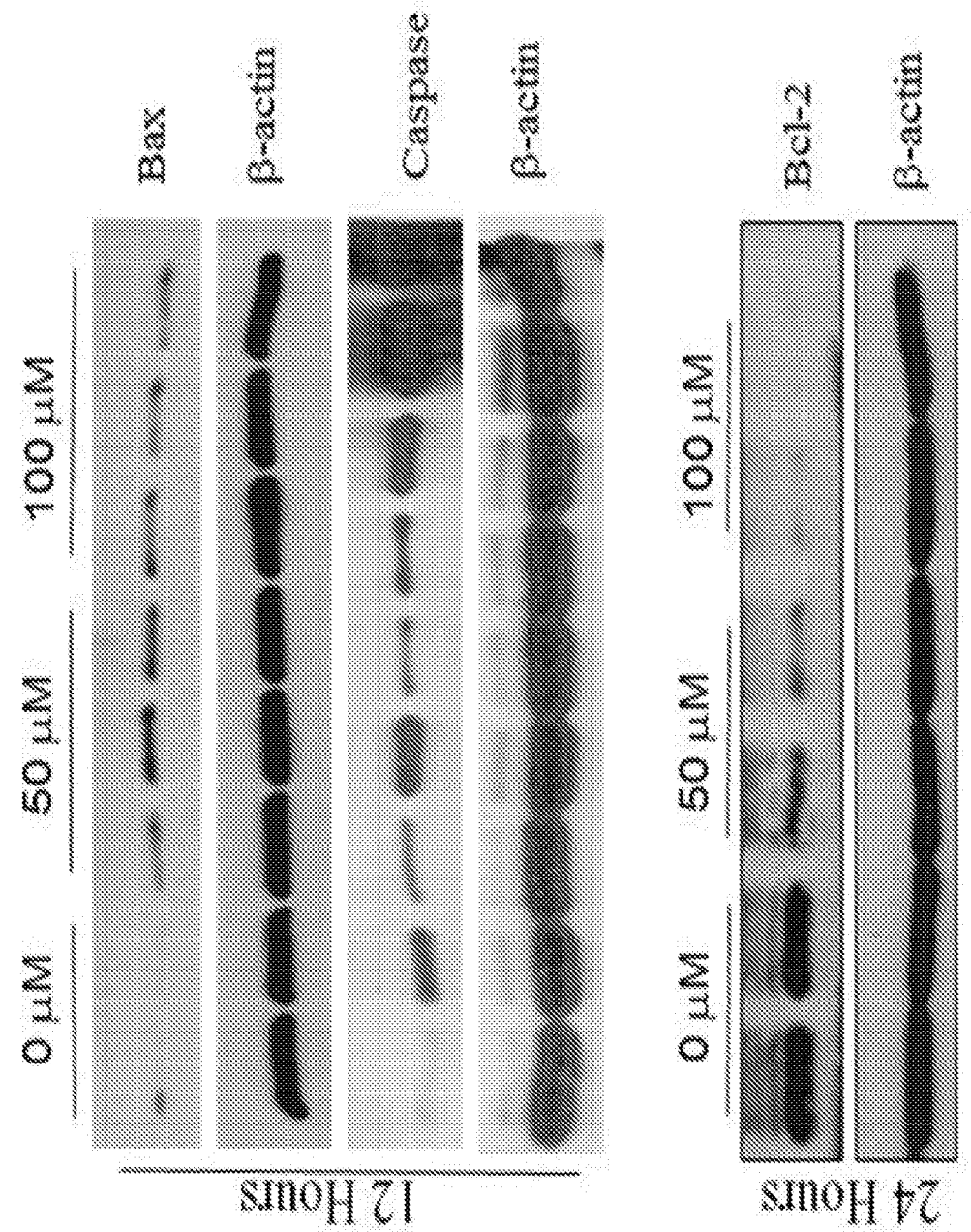

12 Hours
24 Hours
0 μM
50 μM
100 μM
Bax
β-actin
Caspase
β-actin
Bcl-2
β-actin

Fig. 5

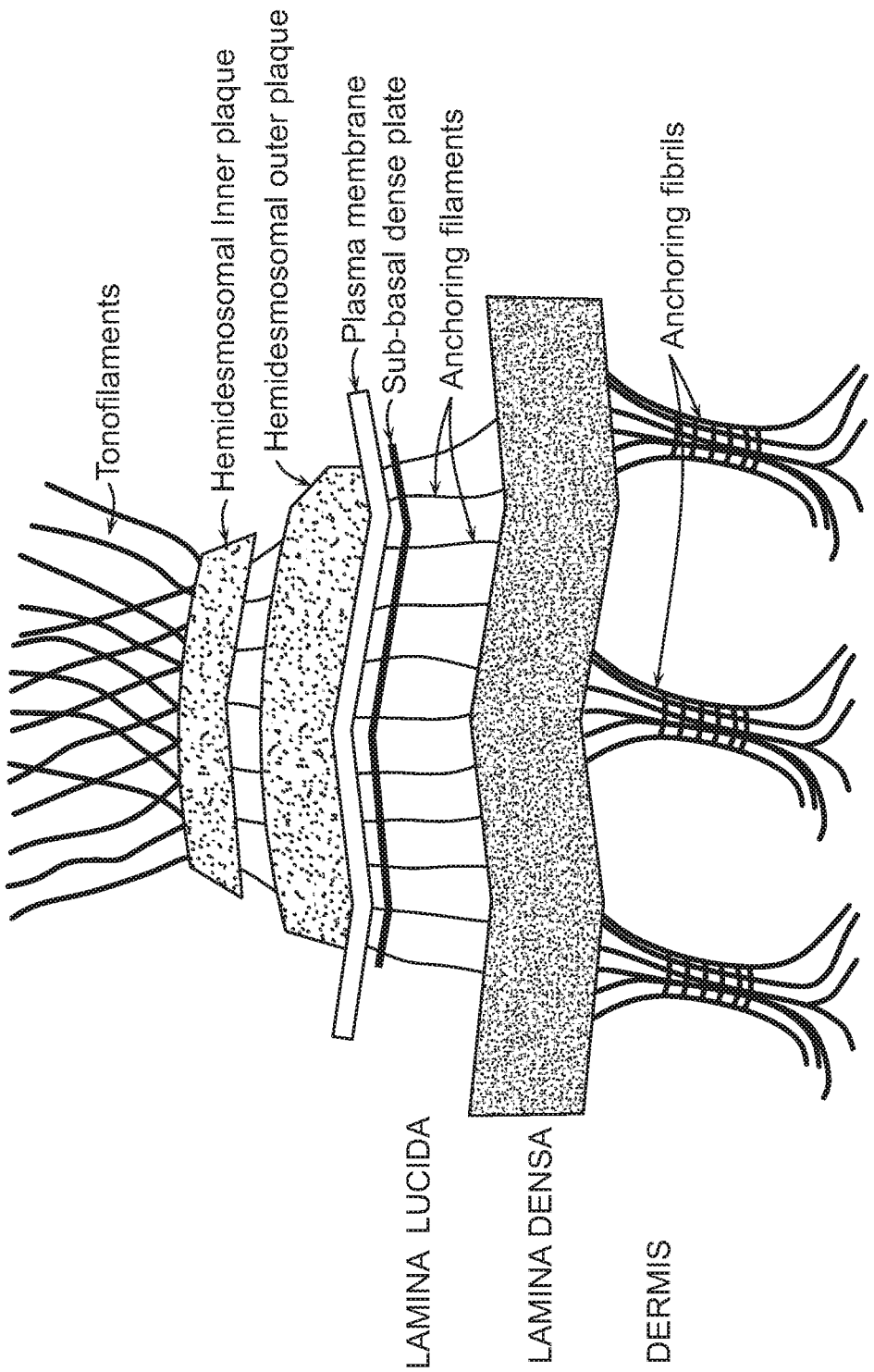
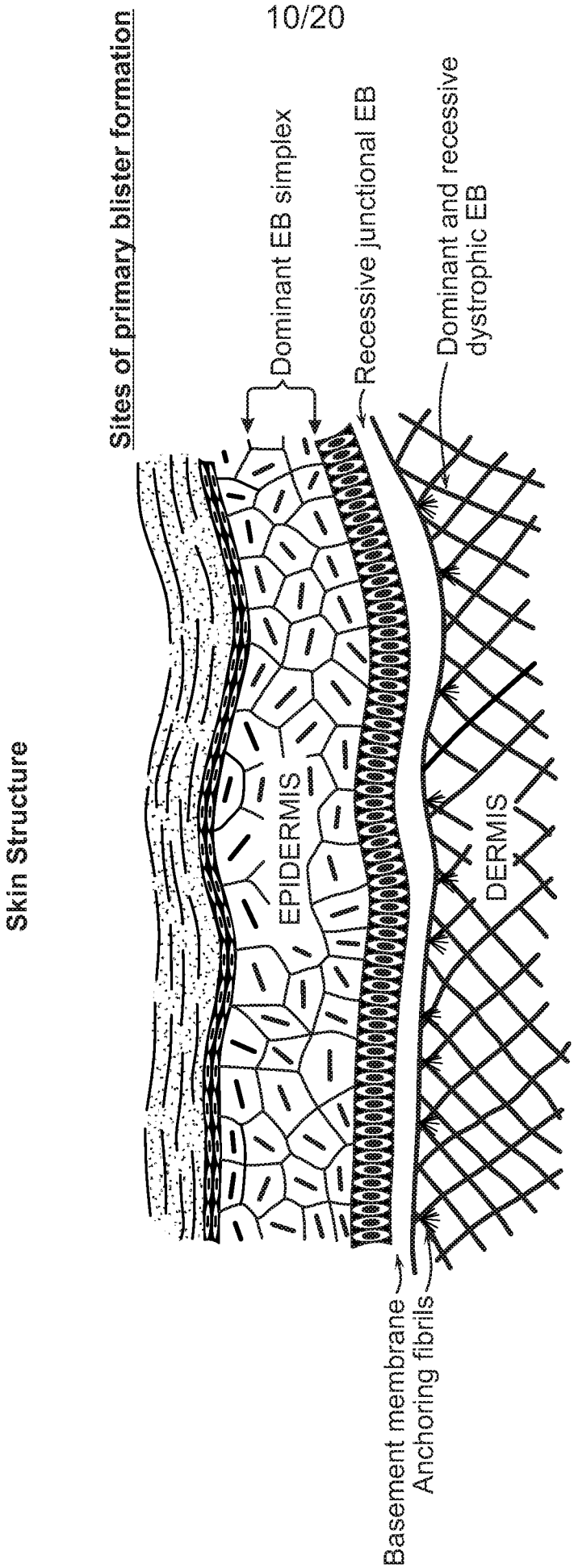

Tonofilaments
Hemidesmosomal Inner plaque
Hemidesmosomal outer plaque
Plasma membrane
Sub-basal dense plate
Anchoring filaments
Anchoring fibrils
LAMINA LUCIDA
LAMINA DENSA
DERMIS

Fig. 6

Fig. 7



Source: Adapted from Dystrophic Epidermolysis Bullosa Research Association of America (DebRA).

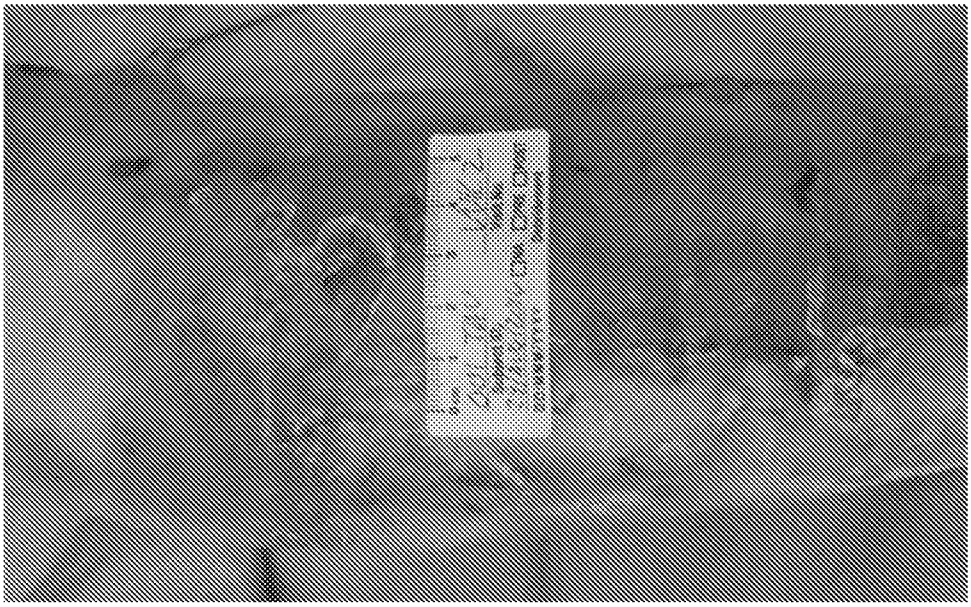


Fig. 8C



Fig. 8B

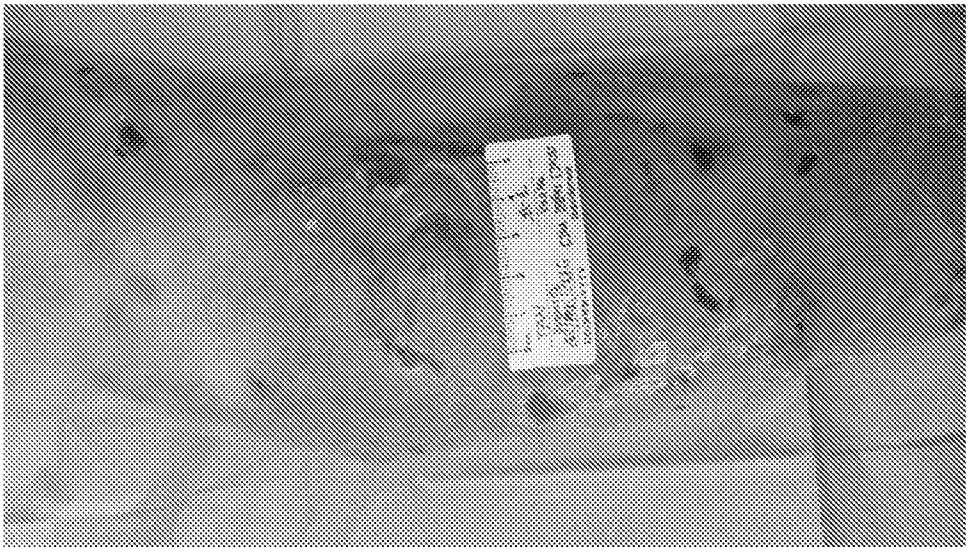


Fig. 8A

Fig. 9A



Fig. 9B



Fig. 9C



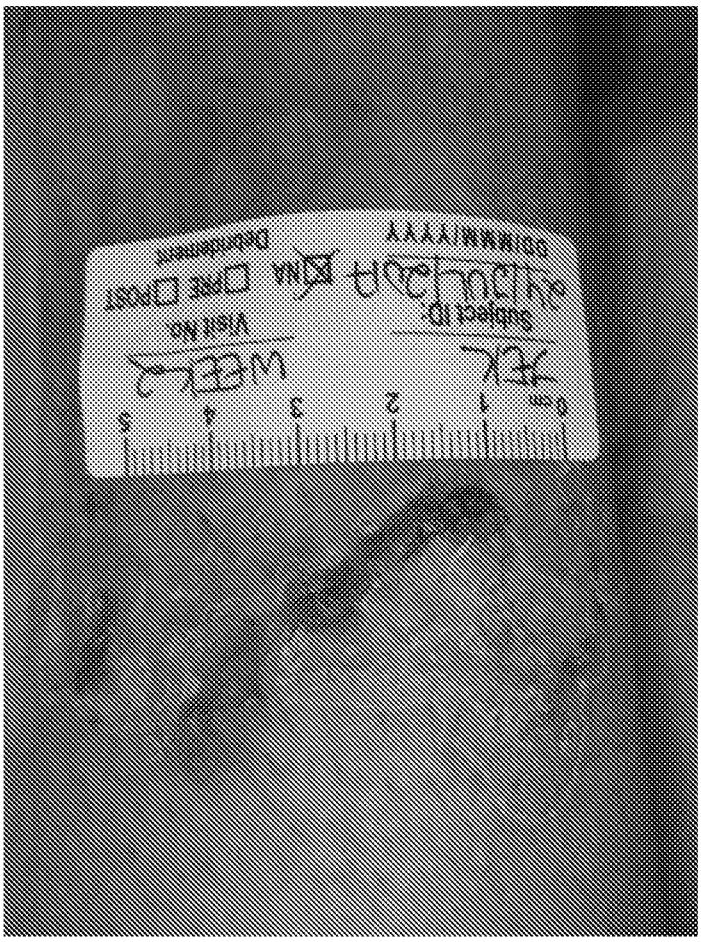


Fig. 10B

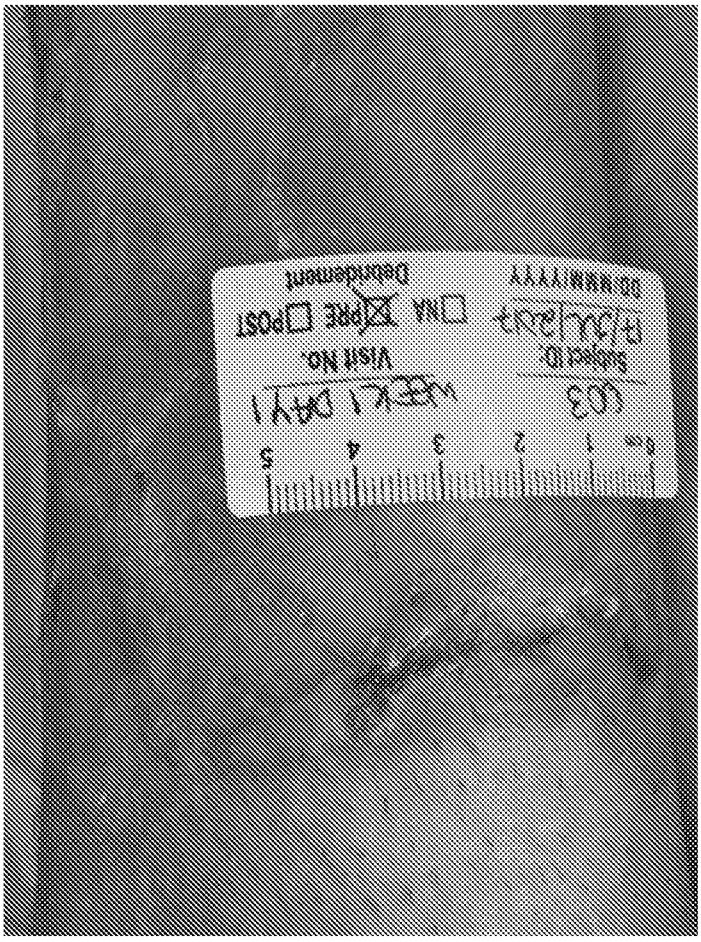


Fig. 10A



Fig. 10C

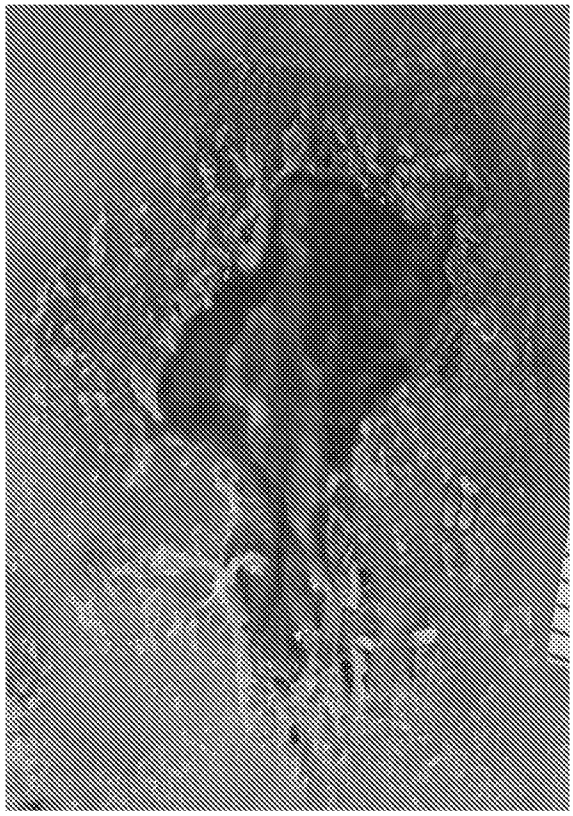


Fig. 11B

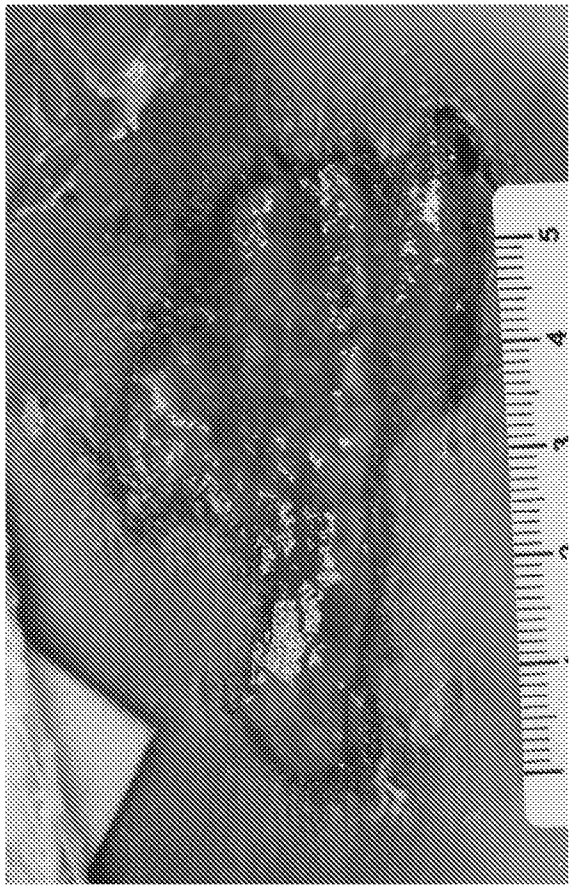


Fig. 11A

Fig. 12A

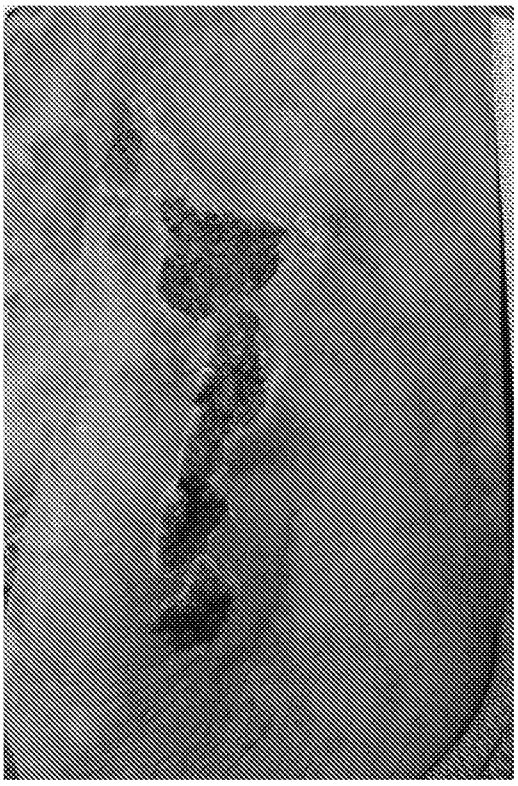


Fig. 12B

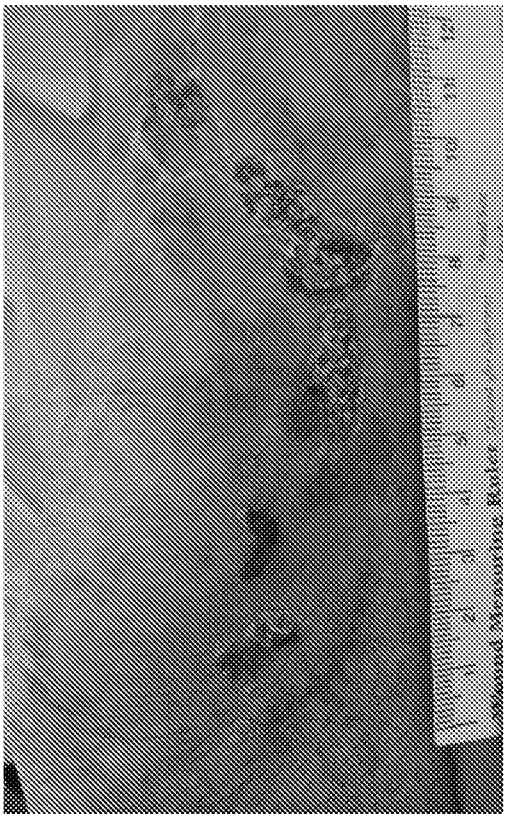
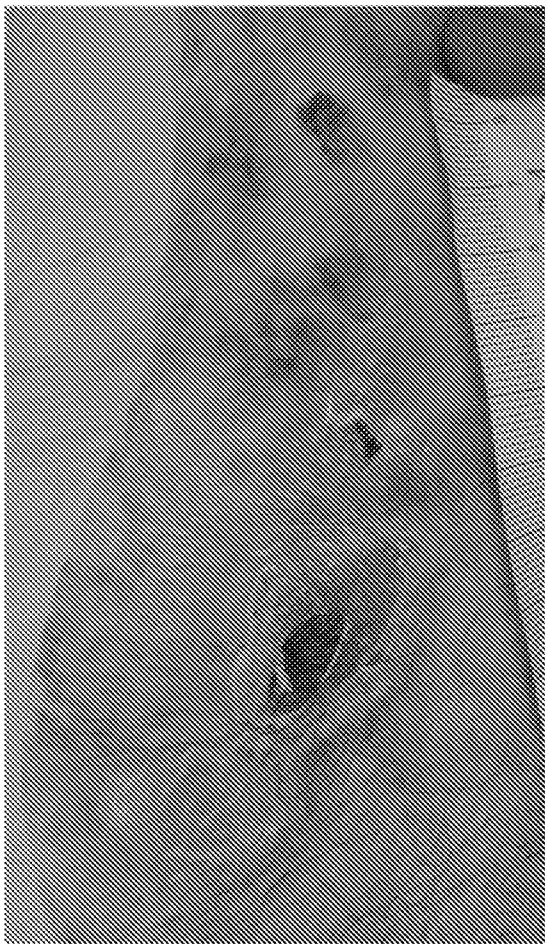


Fig. 12C



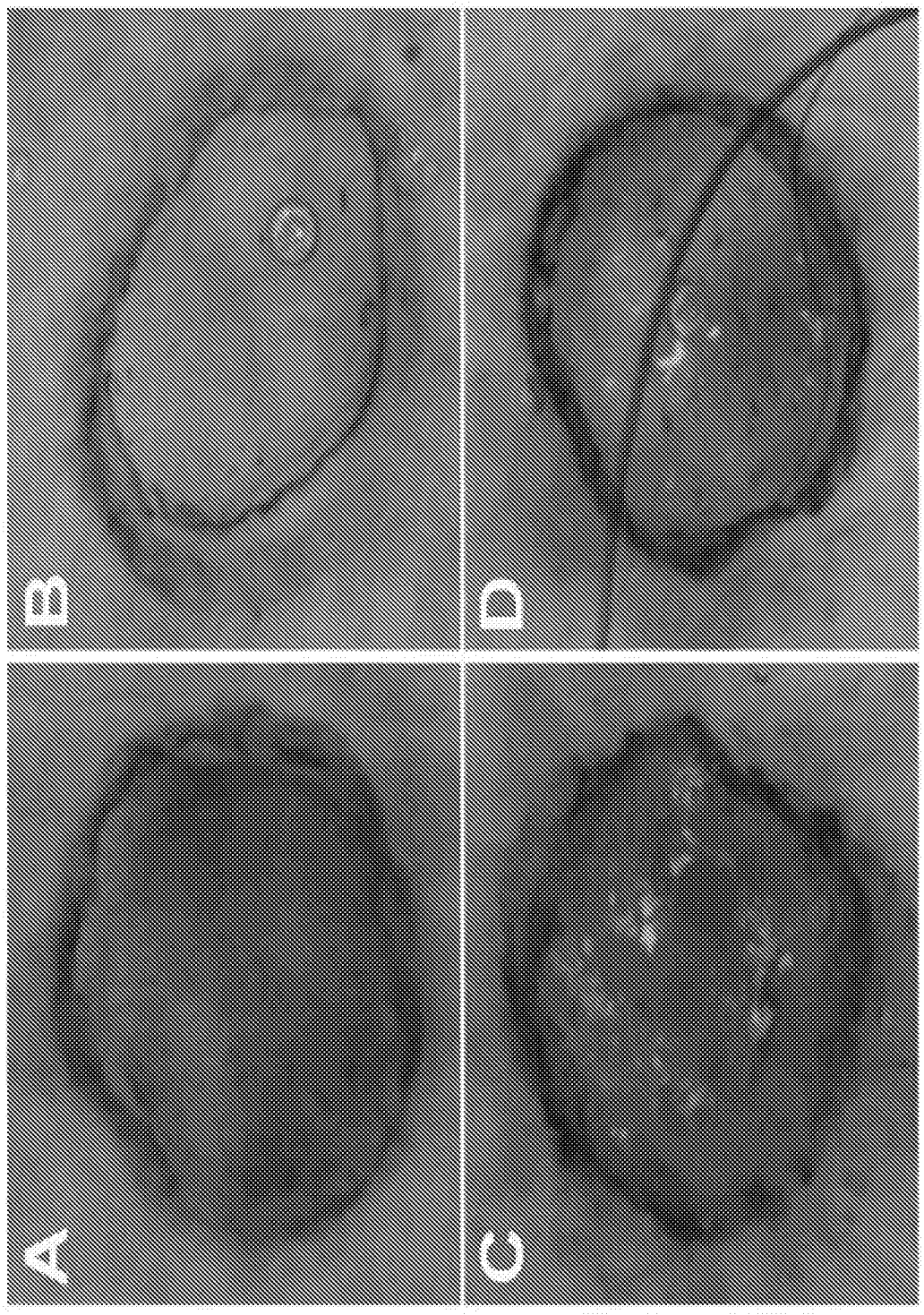


Fig. 13 A-D

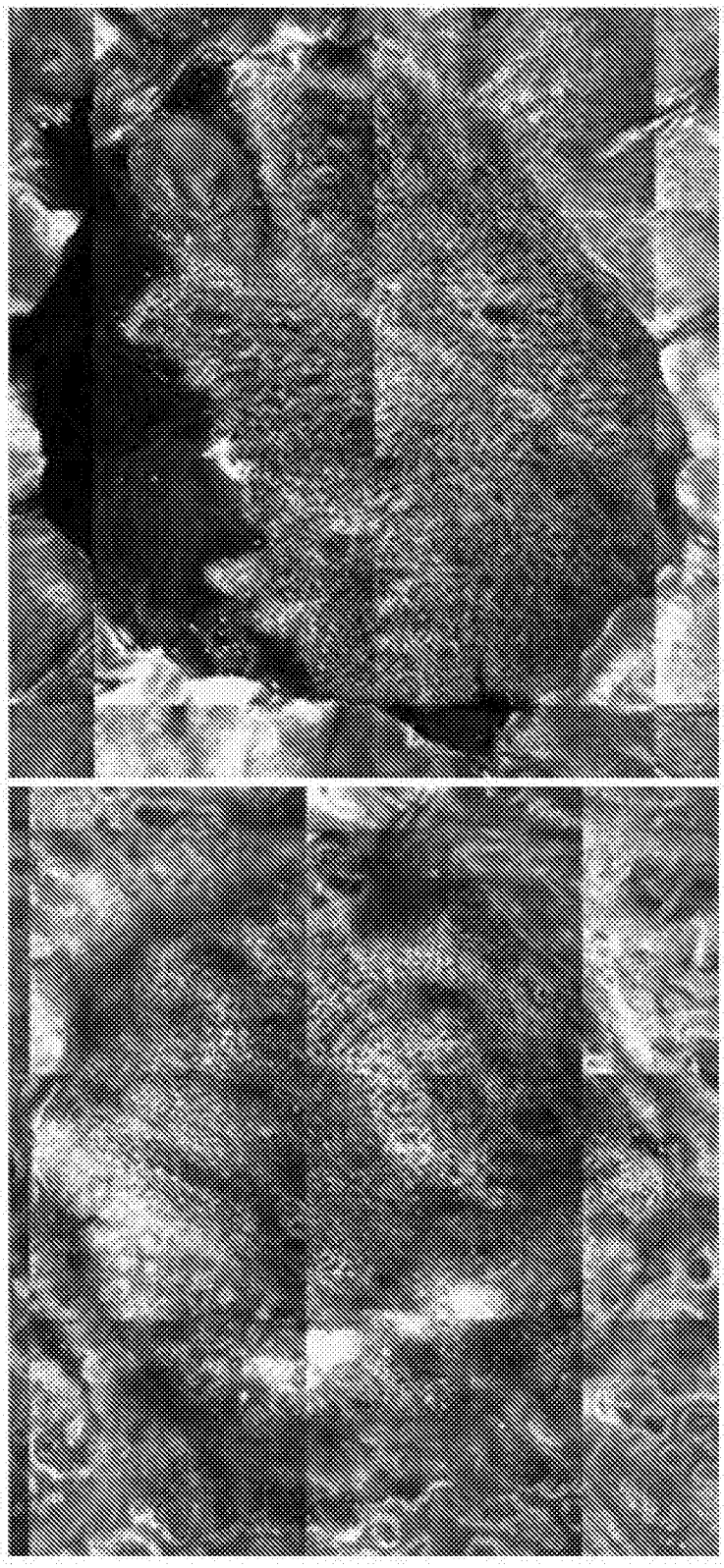


Fig. 14B

Fig. 14A

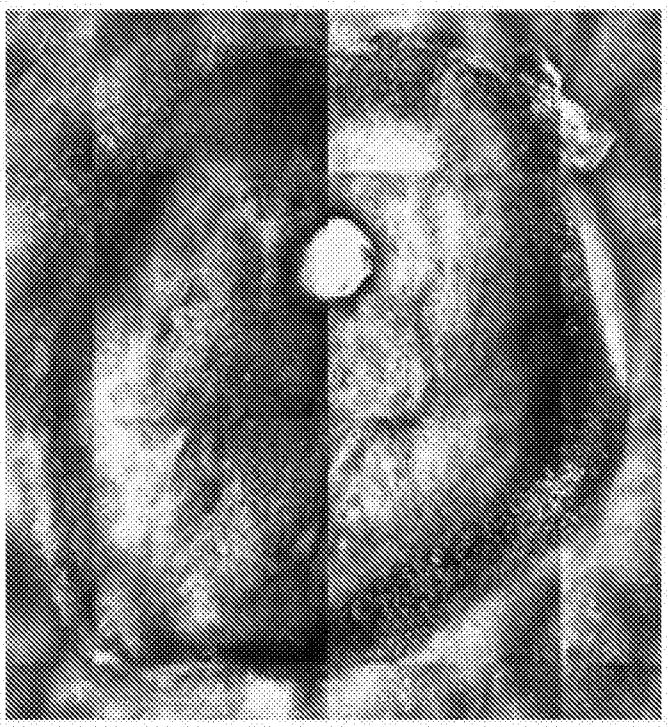


Fig. 15B

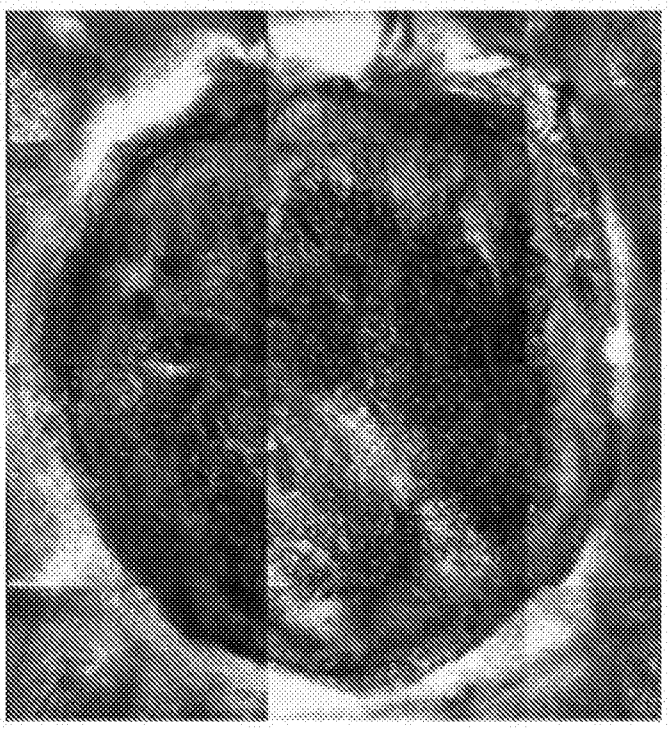


Fig. 15A

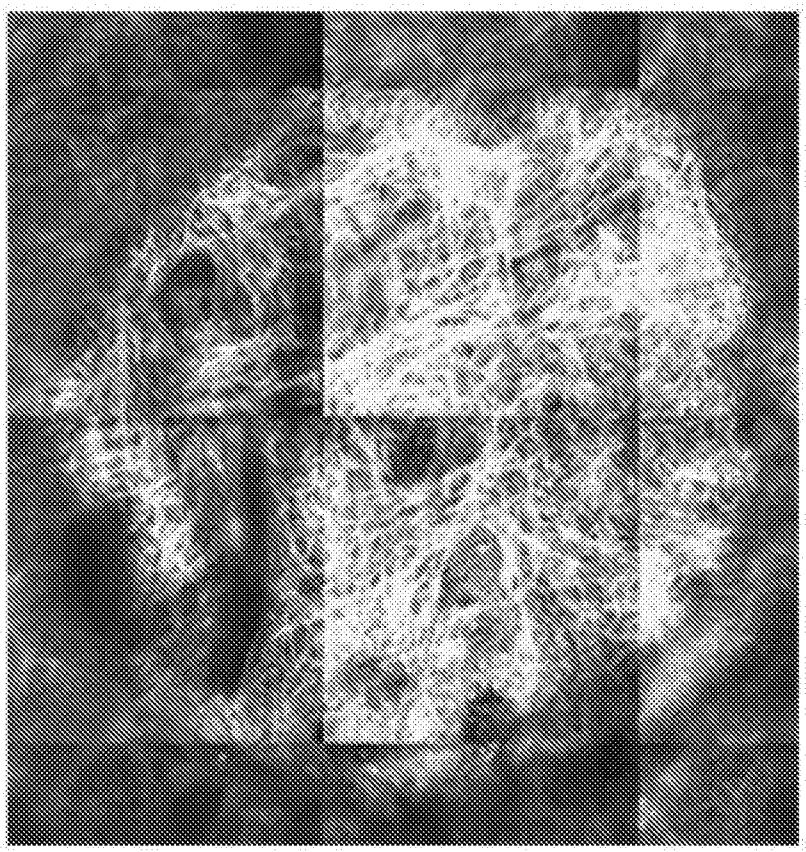


Fig. 16B

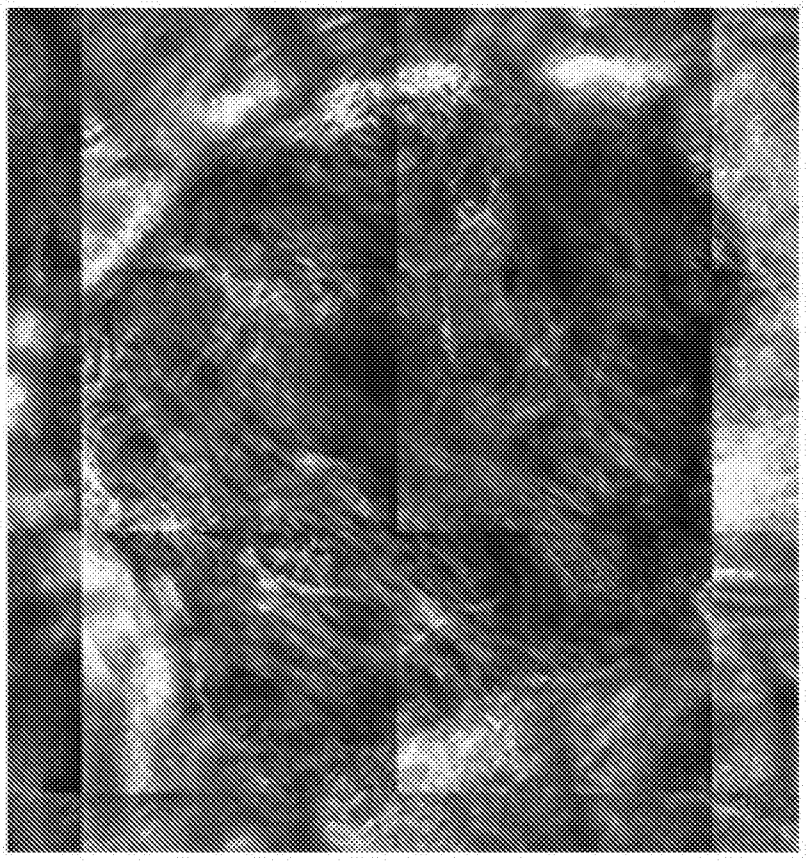


Fig. 16A