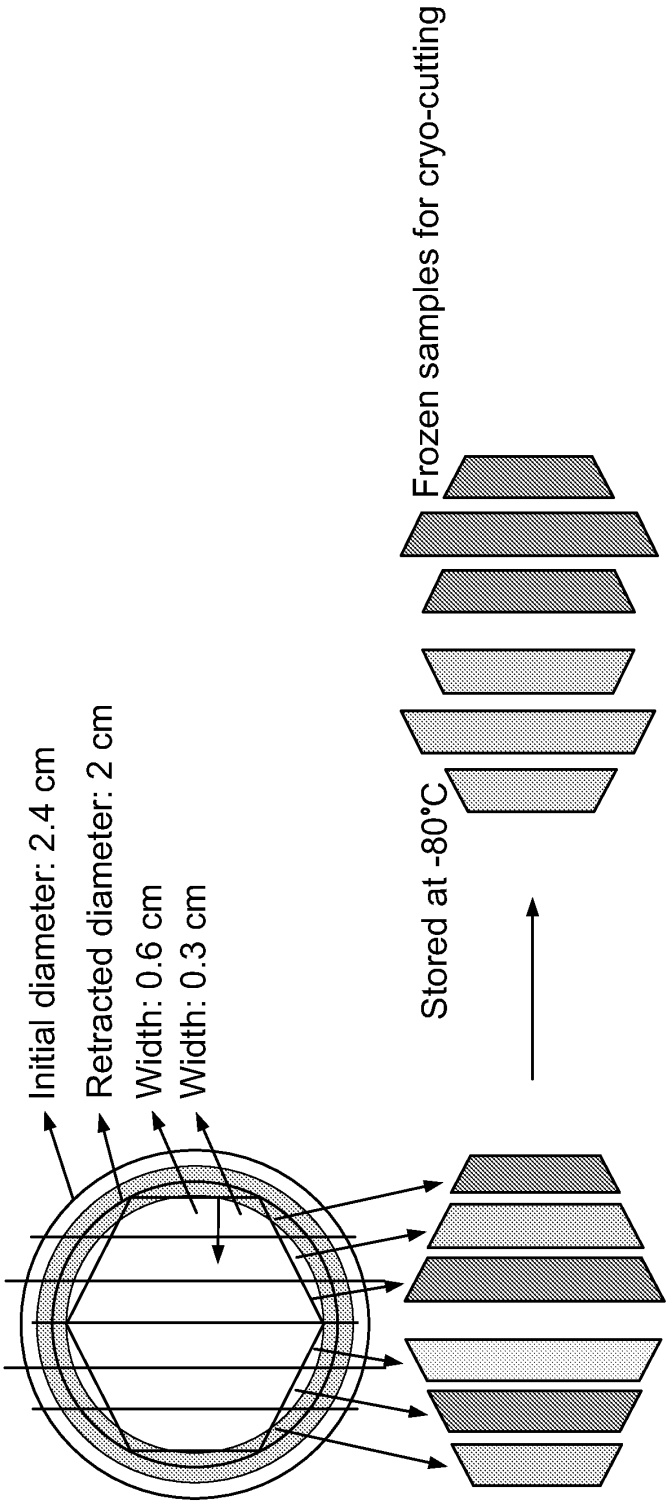

Initial diameter: 2.4 cm
Retracted diameter: 2 cm
Width: 0.6 cm
Width: 0.3 cm
Stored at -80°C
Frozen samples for cryo-cutting

FIG. 1

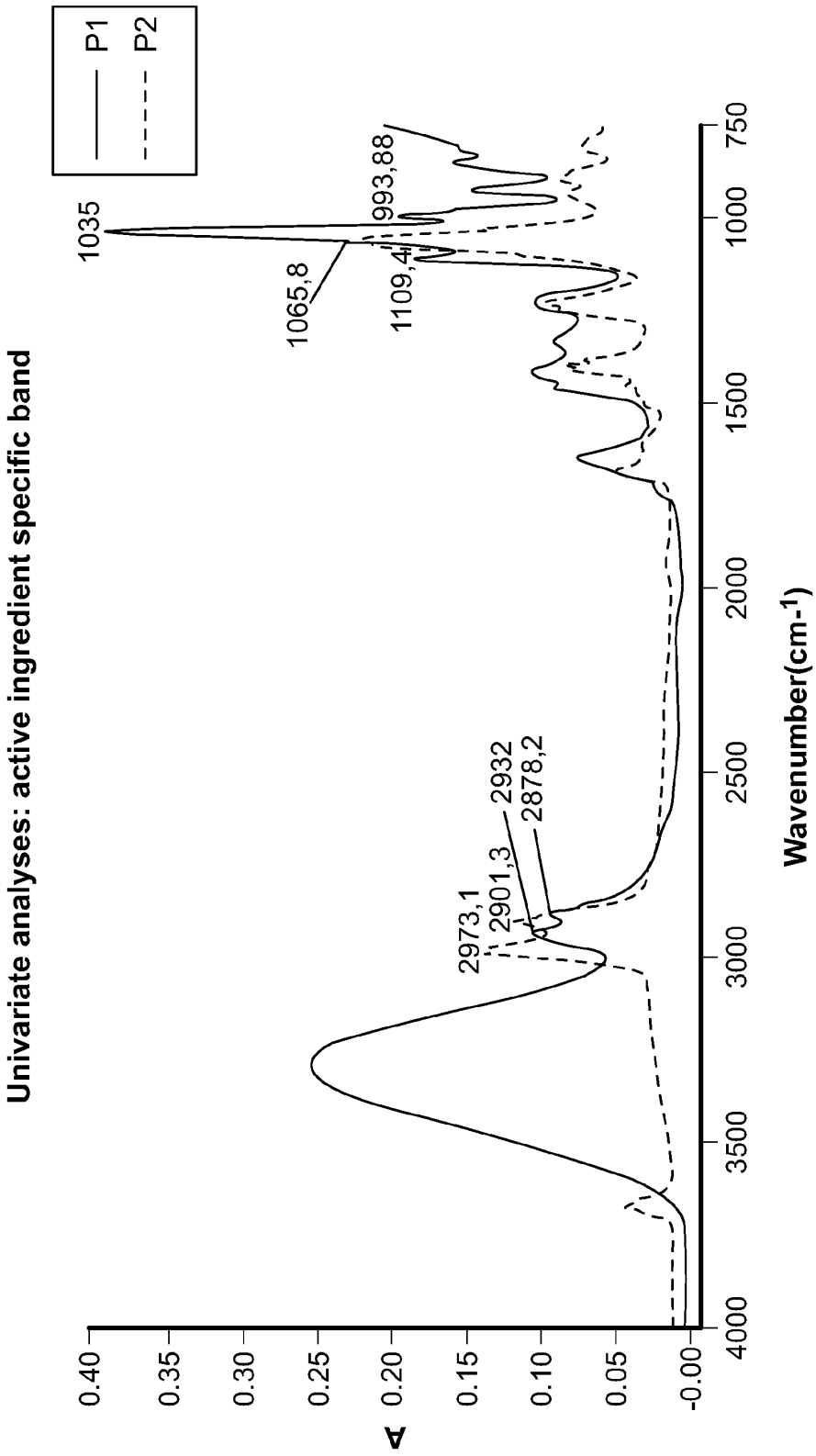

Univariate analyses: active ingredient specific band
P1
P2
1035
993,88
1065,8
1109,4
2973,1
2901,3
2932
2878,2
A
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
-0.00
4000
3500
3000
2500
2000
1500
1000
750
Wavenumber(cm-1)

FIG. 2

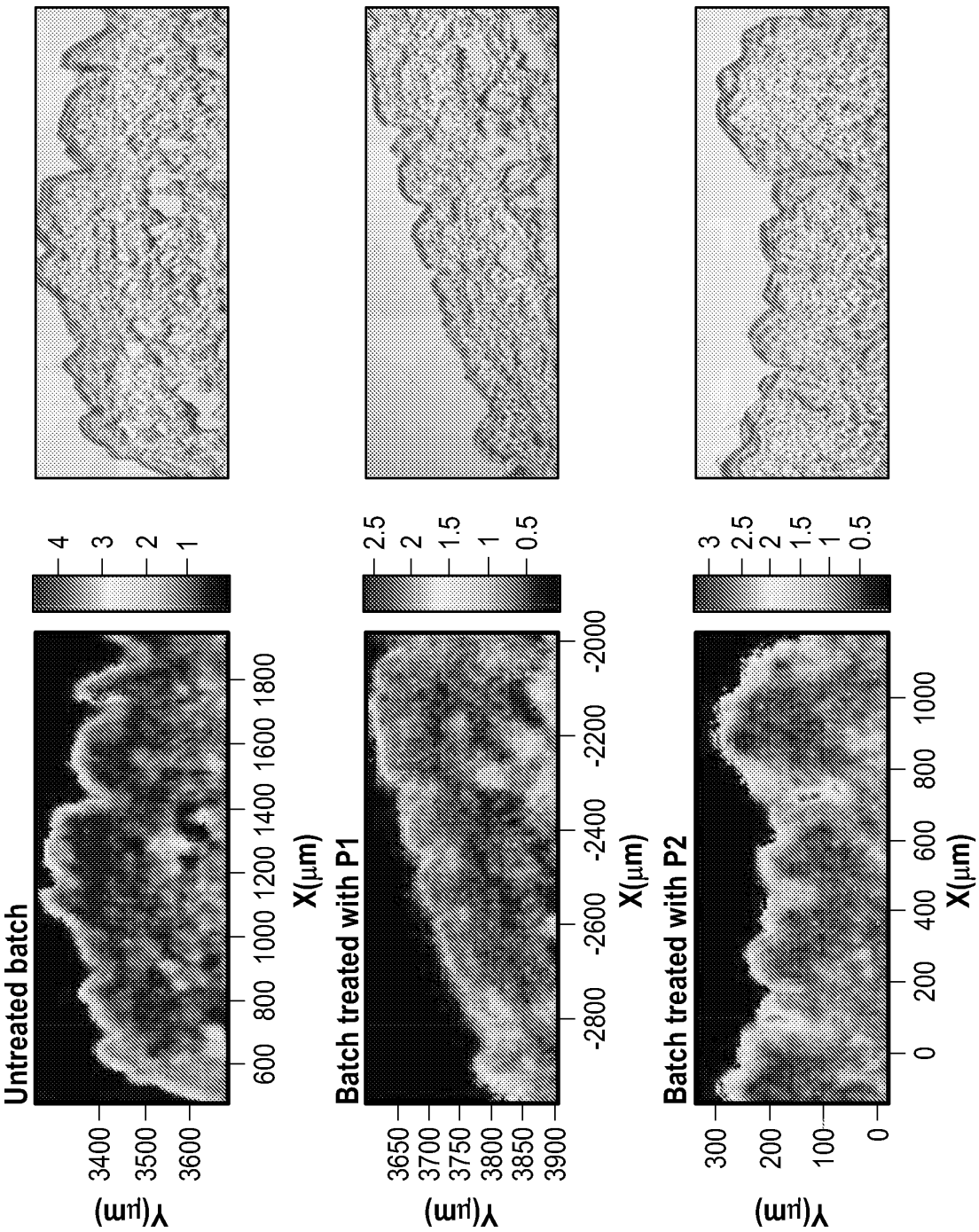

Untreated batch
Batch treated with P1
Batch treated with P2
Y(µm)
X(µm)
3400
3500
3600
600
800
1000
1200
1400
1600
1800
4
3
2
1
3650
3700
3750
3800
3850
3900
-2800
-2600
-2400
-2200
-2000
2.5
2
1.5
1
0.5
300
200
100
0
0
200
400
600
800
1000
3
2.5
2
1.5
1
0.5

FIG. 3

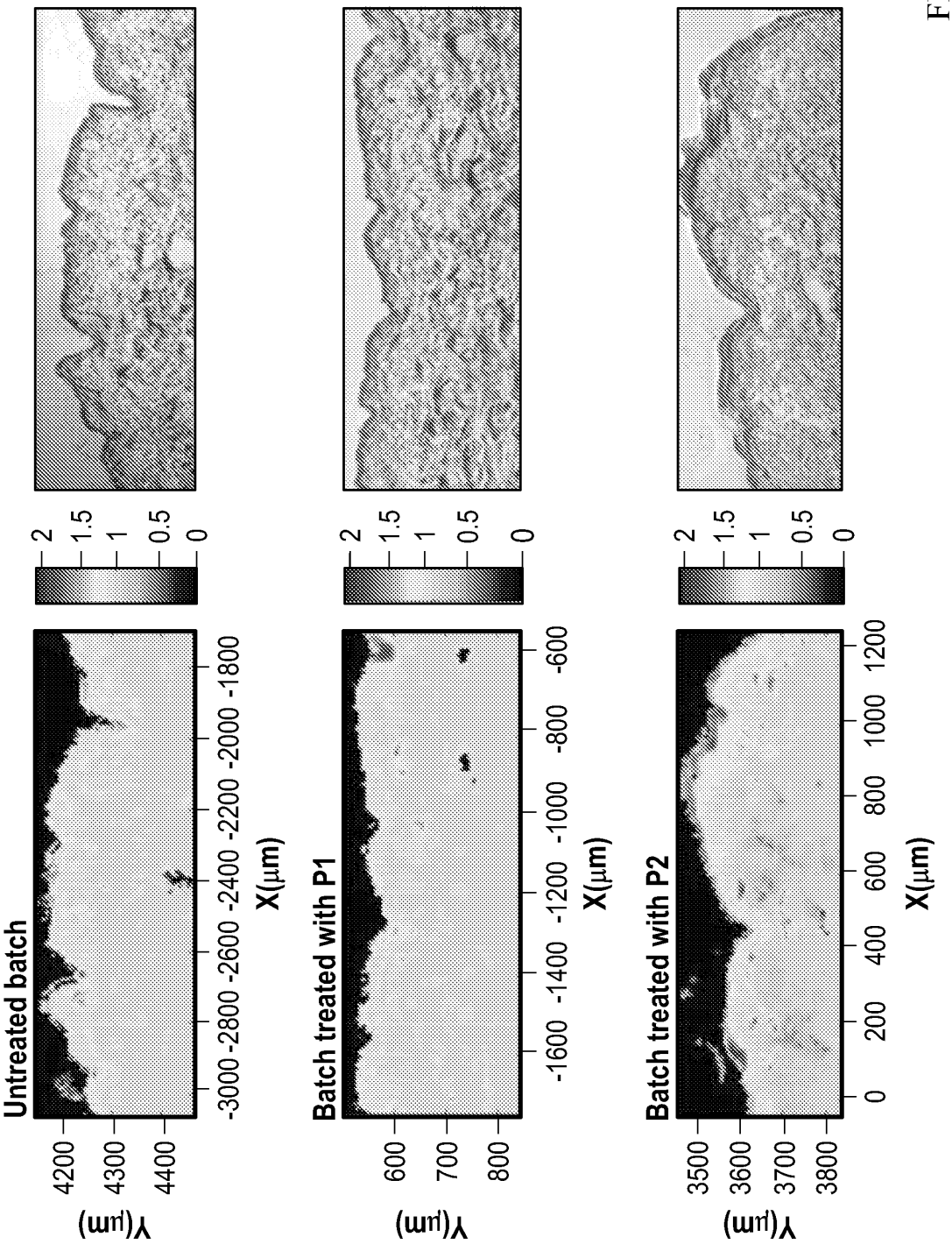

Untreated batch
Batch treated with P1
Batch treated with P2
Y(µm)
X(µm)
4200
4300
4400
600
700
800
3500
3600
3700
3800
-3000 -2800 -2600 -2400 -2200 -2000 -1800
-1600 -1400 -1200 -1000 -800 -600
0 200 400 600 800 1000 1200
2
1.5
1
0.5
0

FIG. 4

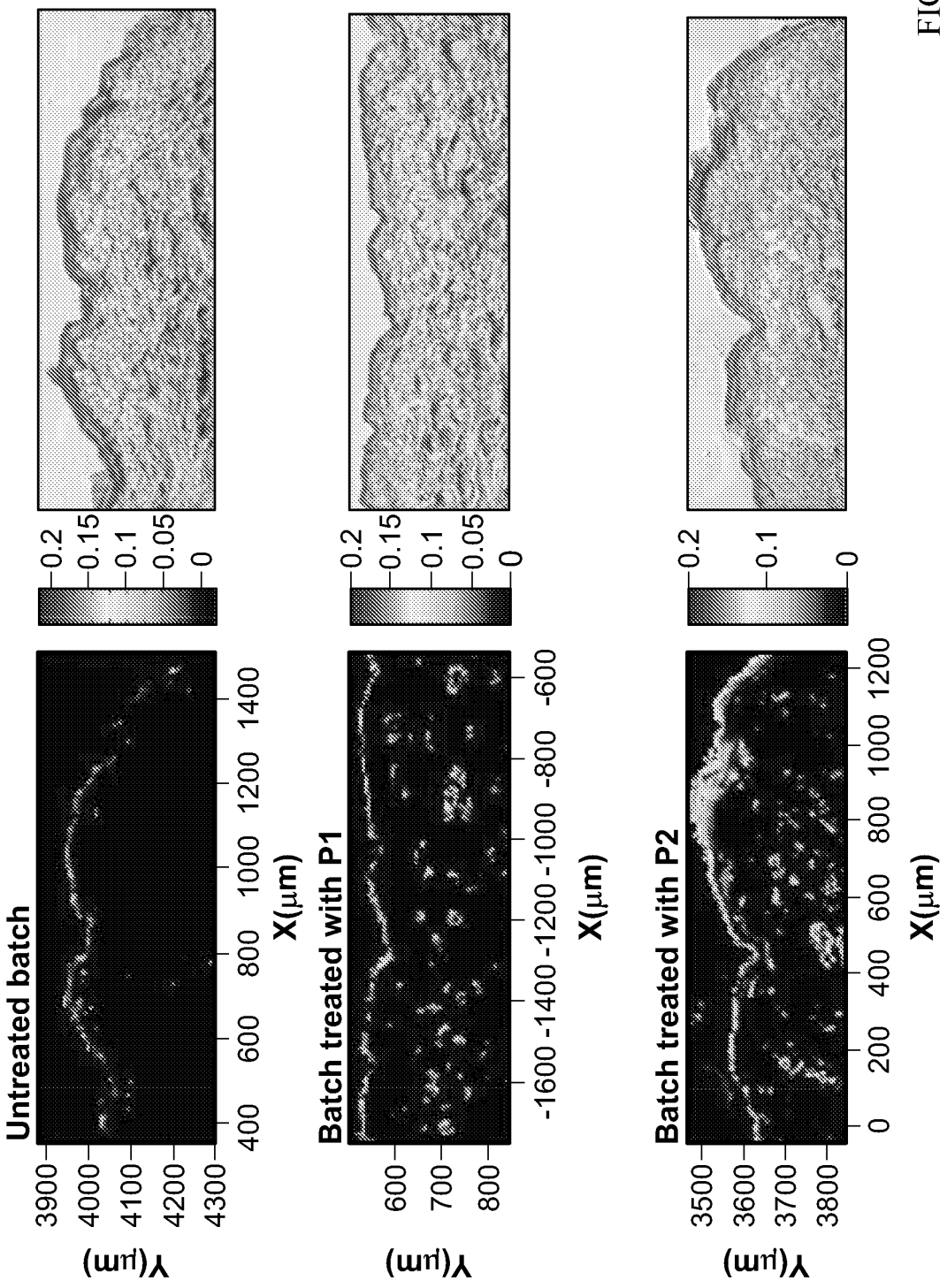

Untreated batch
Batch treated with P1
Batch treated with P2
Y(µm)
X(µm)
0.2
0.15
0.1
0.05
0

FIG. 5

FIG. 6

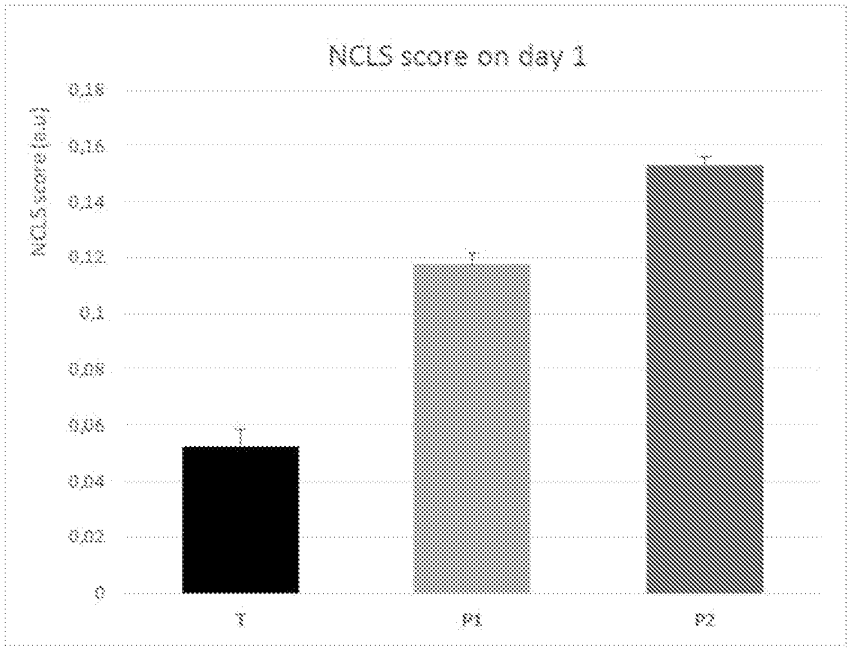

NCLS score on day 1
NCLS score (a.u.)
0,18
0,16
0,14
0,12
0,1
0,08
0,06
0,04
0,02
0
T
P1
P2

FIG. 7

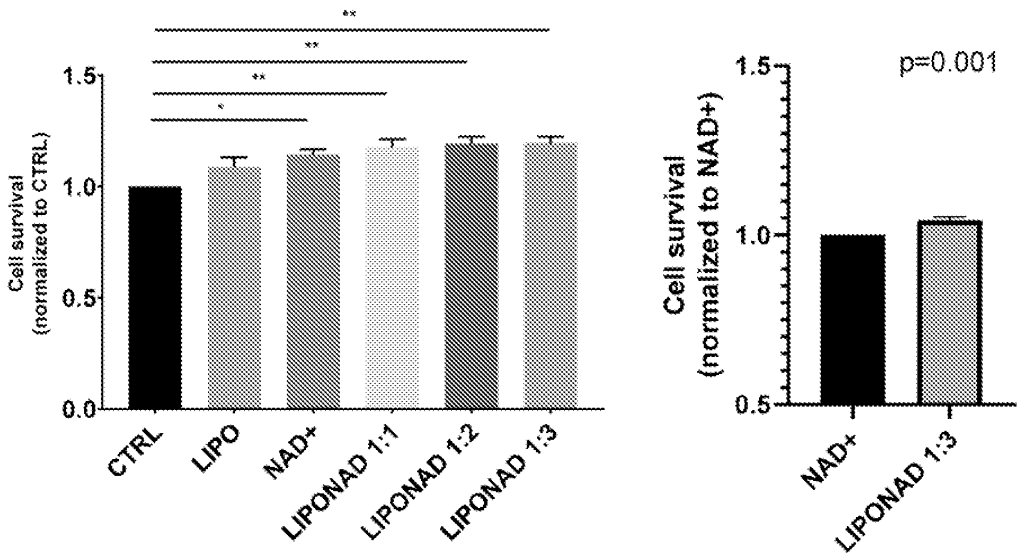


Figure 7. Cell survival results in human aortic endothelial cells (HAECs) (A) Comparison among untreated cells and cells treated with different concentrations of LIPONAD. (B) Comparison between cells treated with NAD+ alone and LIPONAD.

FIG. 8

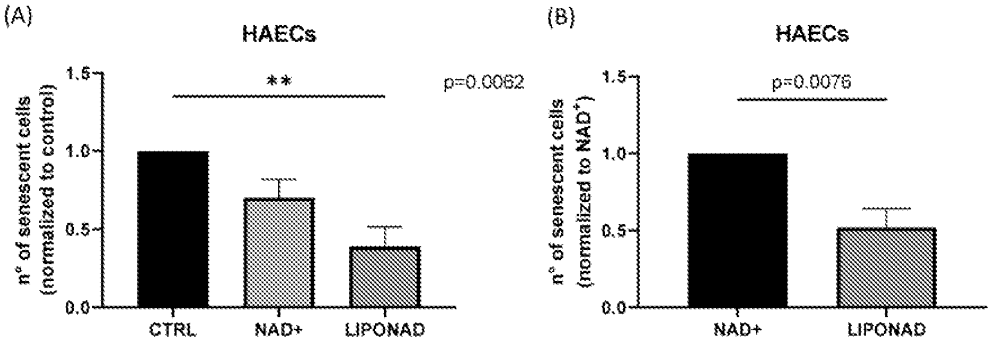


Figure 8. Cellular senescence results in human aortic endothelial cells (HAECs) (A) Comparison among untreated cells, cells treated with NAD+ and LIPONAD. (B) Comparison between cells treated with NAD+ alone and LIPONAD.

FIG. 9

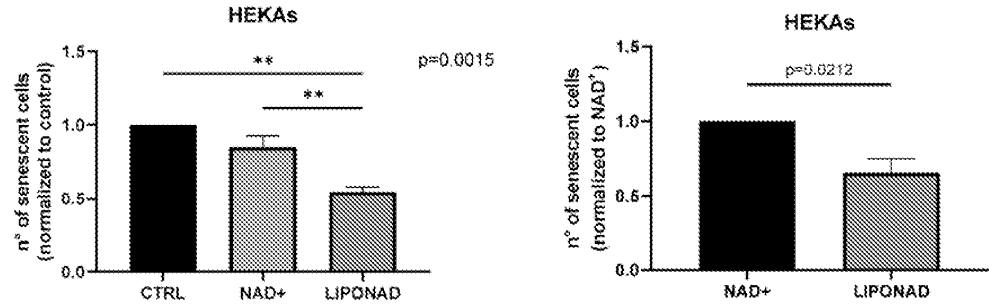


Figure 9. Cellular senescence results in human epidermal keratinocytes (HEKas) (A) Comparison among untreated cells, cells treated with NAD+ and LIPONAD. (B) Comparison between cells treated with NAD+ alone and LIPONAD.