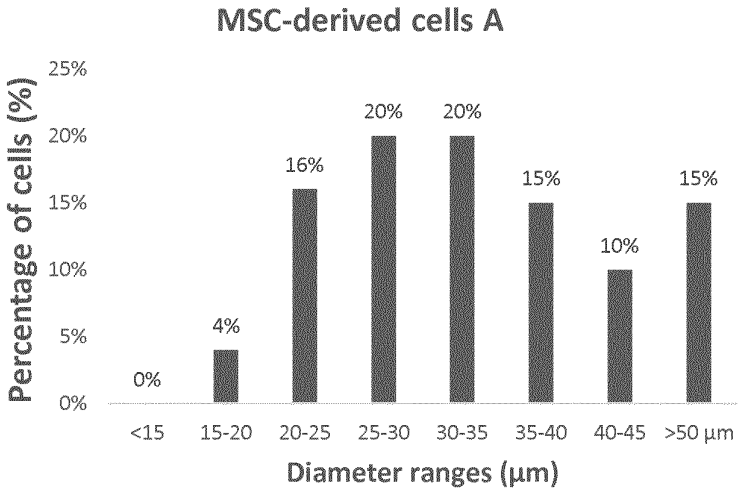
FIG. 1

A


MSC-derived cells A
Percentage of cells (%)
25%
20%
15%
10%
5%
0%
0%
4%
16%
20%
20%
15%
10%
15%
<15
15-20
20-25
25-30
30-35
35-40
40-45
>50 µm
Diameter ranges (µm)

B

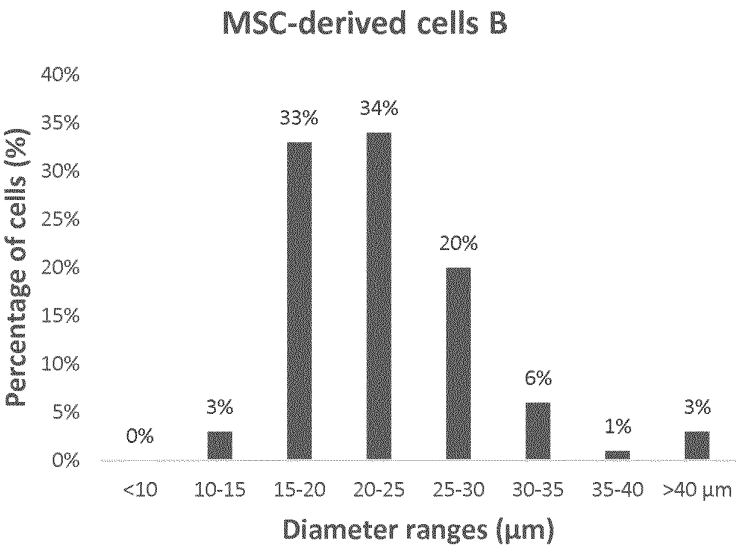

MSC-derived cells B
Percentage of cells (%)
40%
35%
30%
25%
20%
15%
10%
5%
0%
0%
3%
33%
34%
20%
6%
1%
3%
<10
10-15
15-20
20-25
25-30
30-35
35-40
>40 µm
Diameter ranges (µm)

FIG. 2

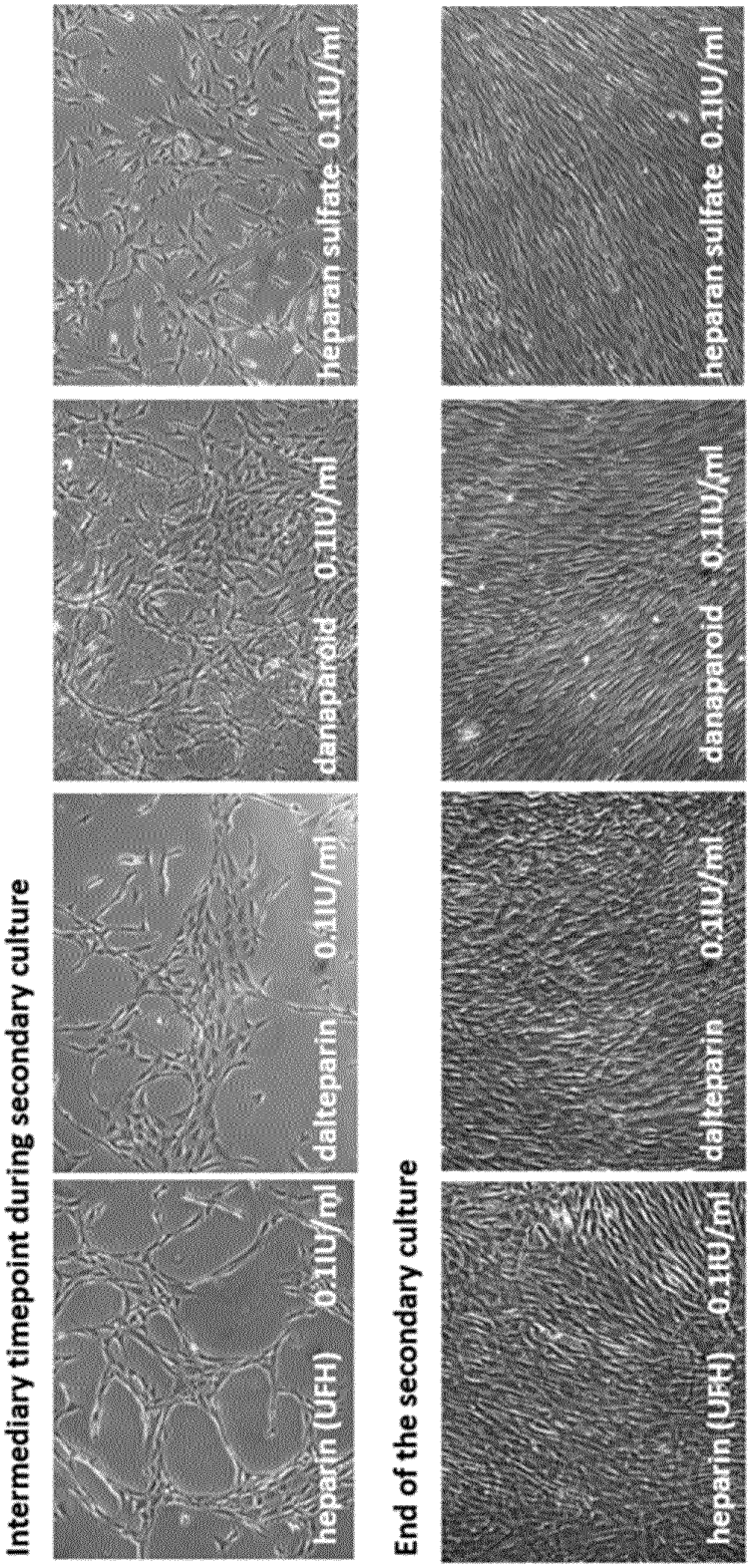

Intermediary timepoint during secondary culture
End of the secondary culture
heparin (UFH) 0.1IU/ml
dalteparin 0.1IU/ml
danaparoid 0.1IU/ml
heparan sulfate 0.1IU/ml

FIG. 3

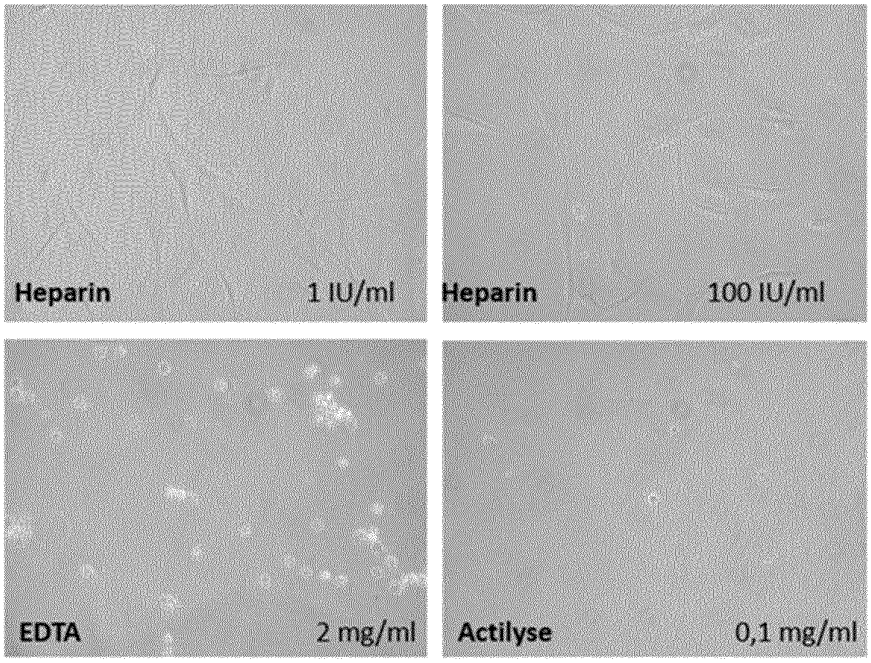

Heparin 1 IU/ml
Heparin 100 IU/ml
EDTA 2 mg/ml
Actilyse 0,1 mg/ml

FIG. 4

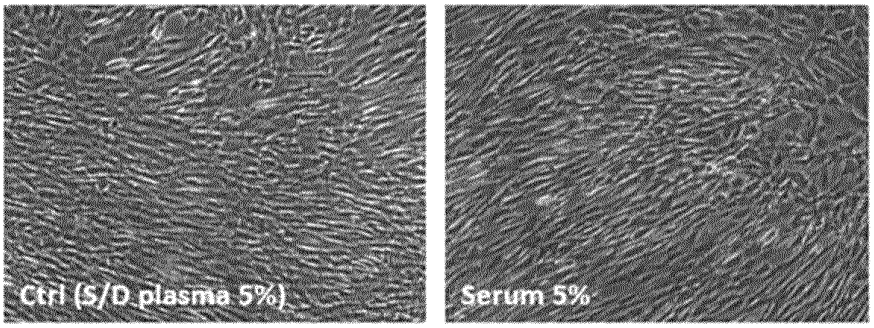

Ctrl (S/D plasma 5%)
Serum 5%

FIG. 5

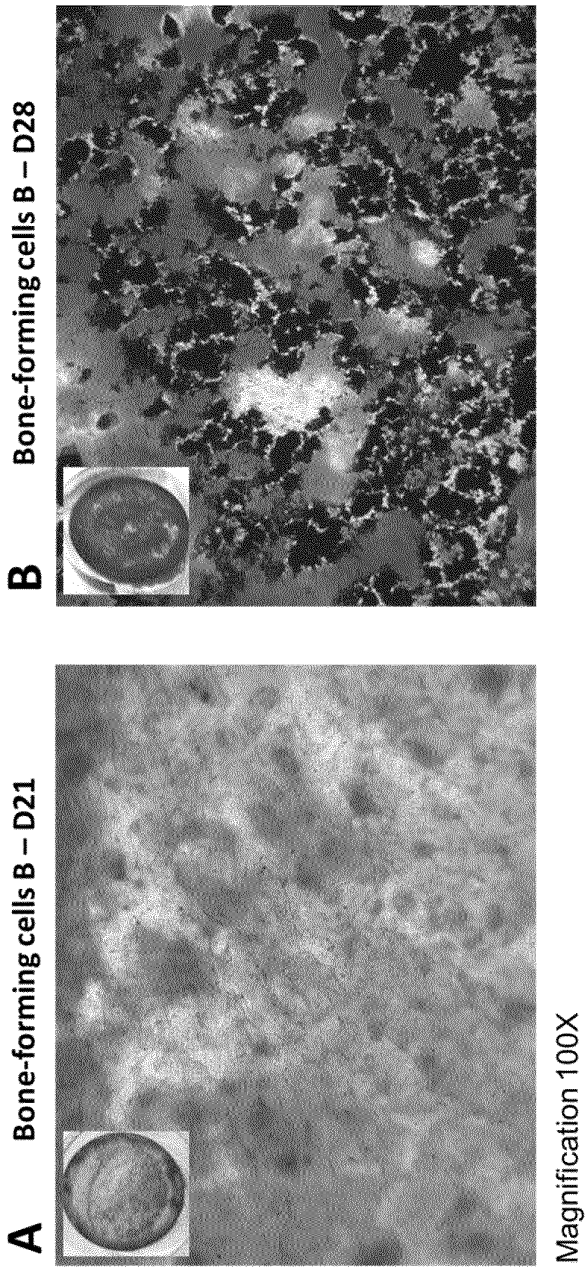

A
Bone-forming cells B – D21
B
Bone-forming cells B – D28
Magnification 100X

FIG. 6

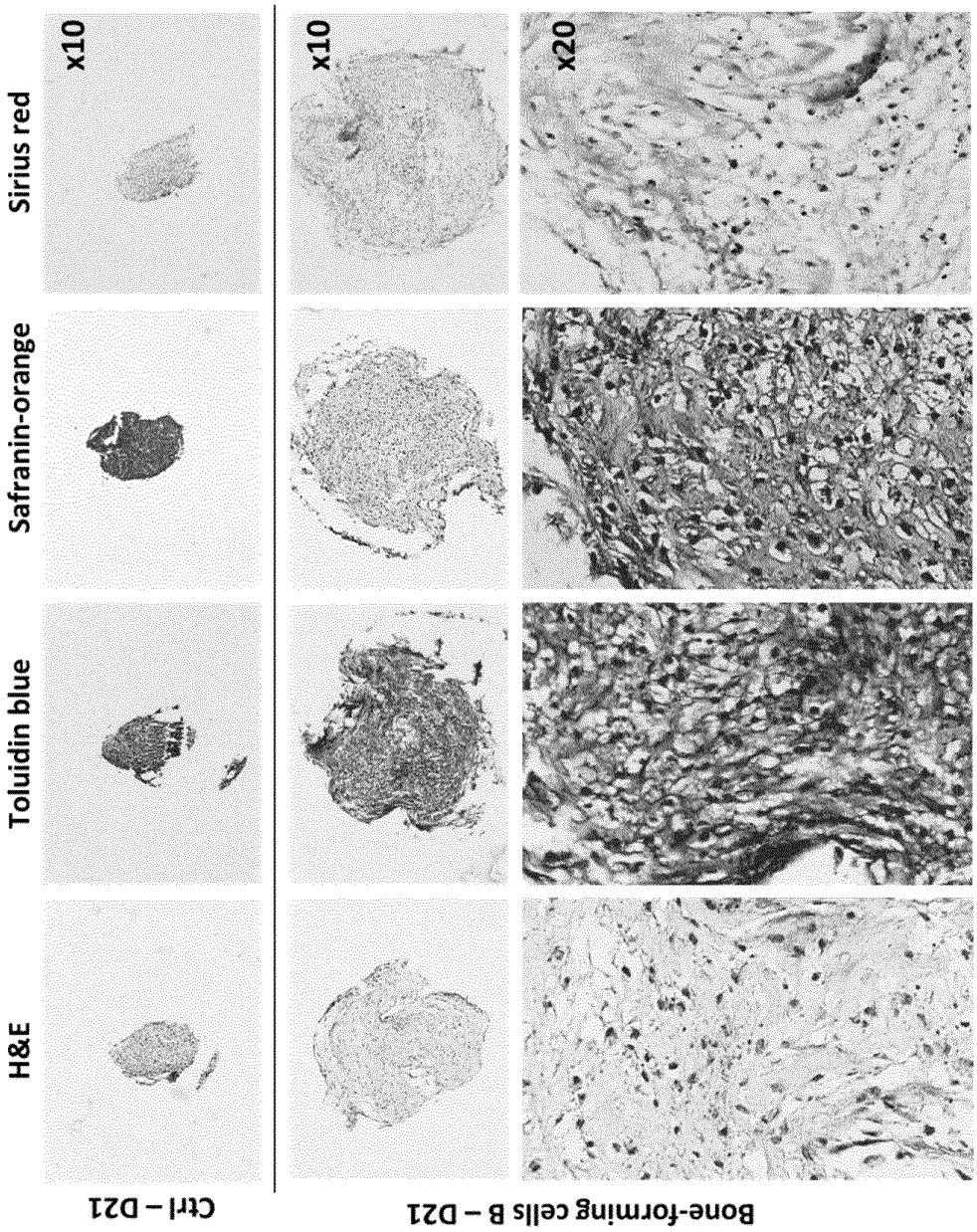

Sirius red
Safranin-orange
Toluidin blue
H&E
x10
x10
x20
Ctrl – D21
Bone-forming cells B – D21

FIG. 7

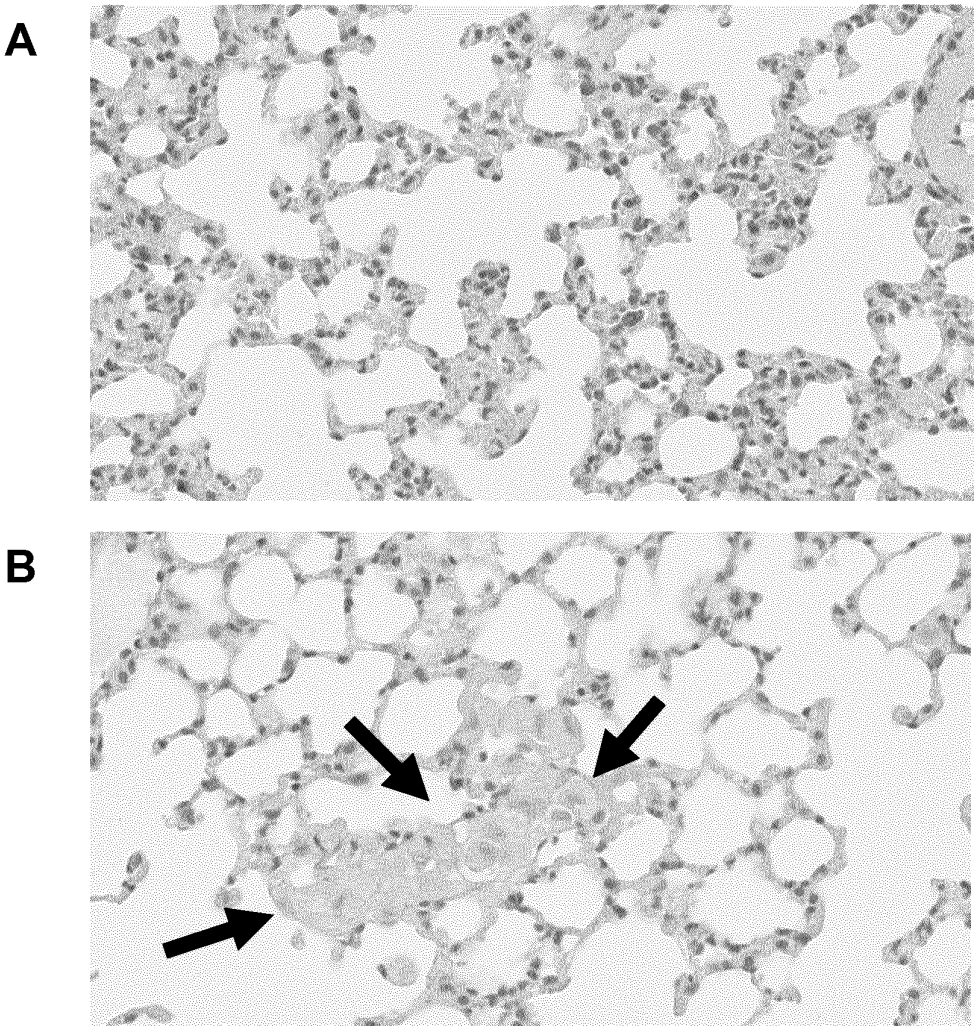


FIG. 8

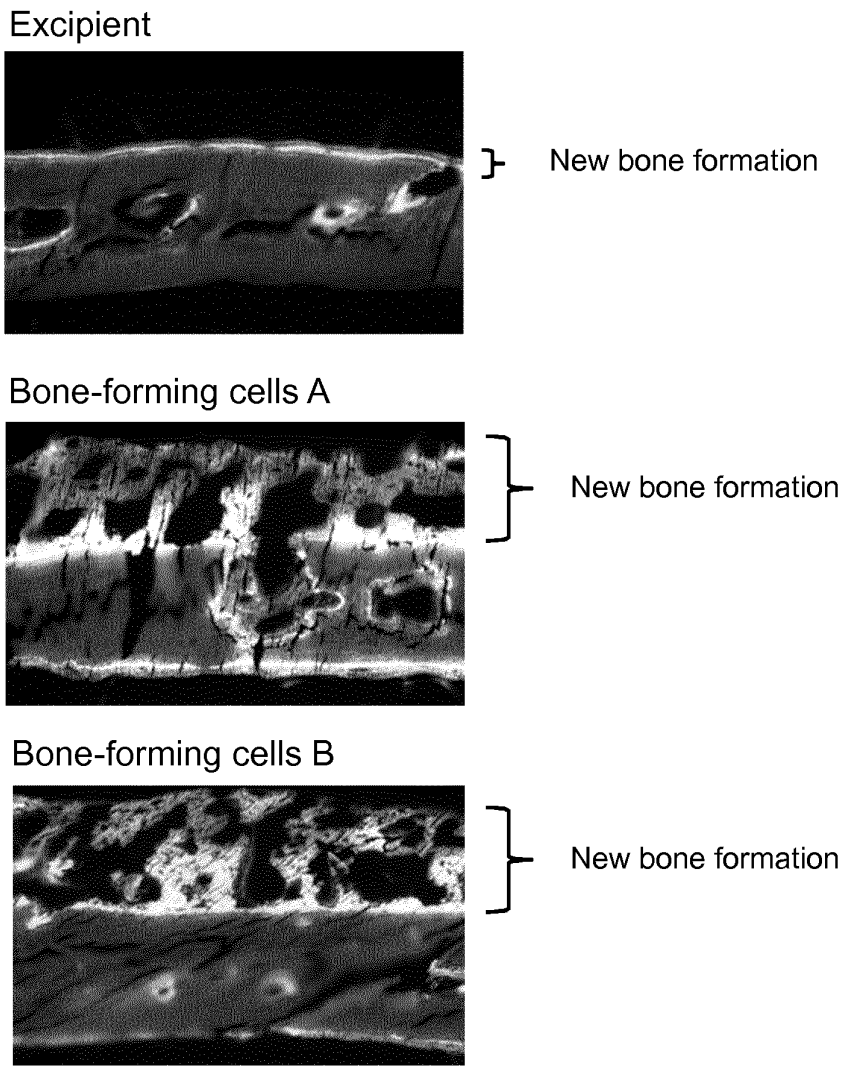

Excipient
New bone formation
Bone-forming cells A
New bone formation
Bone-forming cells B
New bone formation

FIG. 9

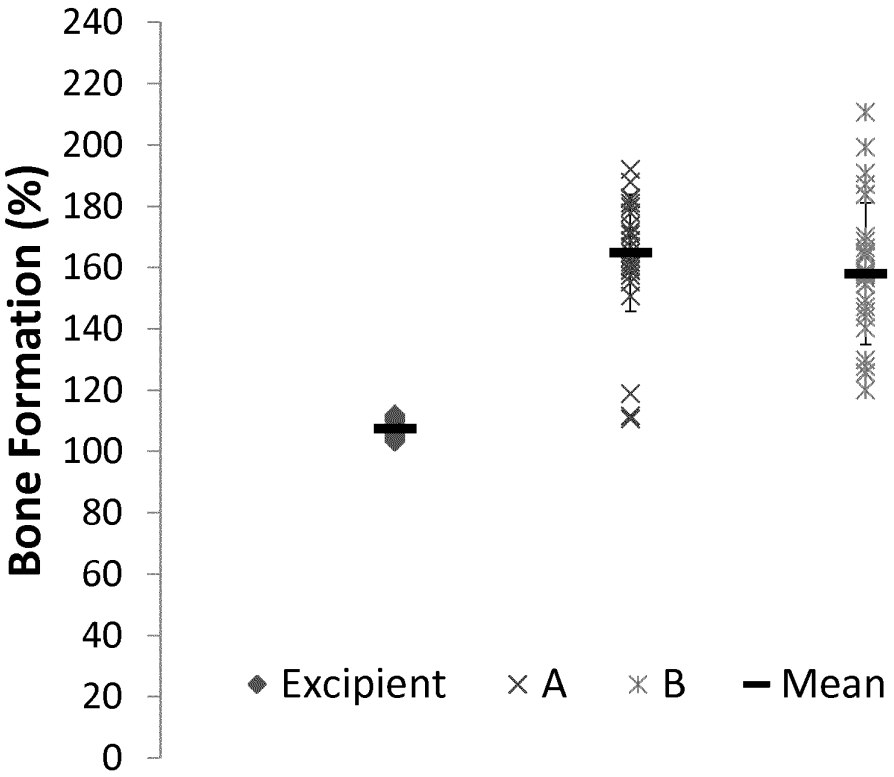

Bone Formation (%)
240
220
200
180
160
140
120
100
80
60
40
20
0
Excipient
A
B
Mean

FIG. 10



FIG. 11

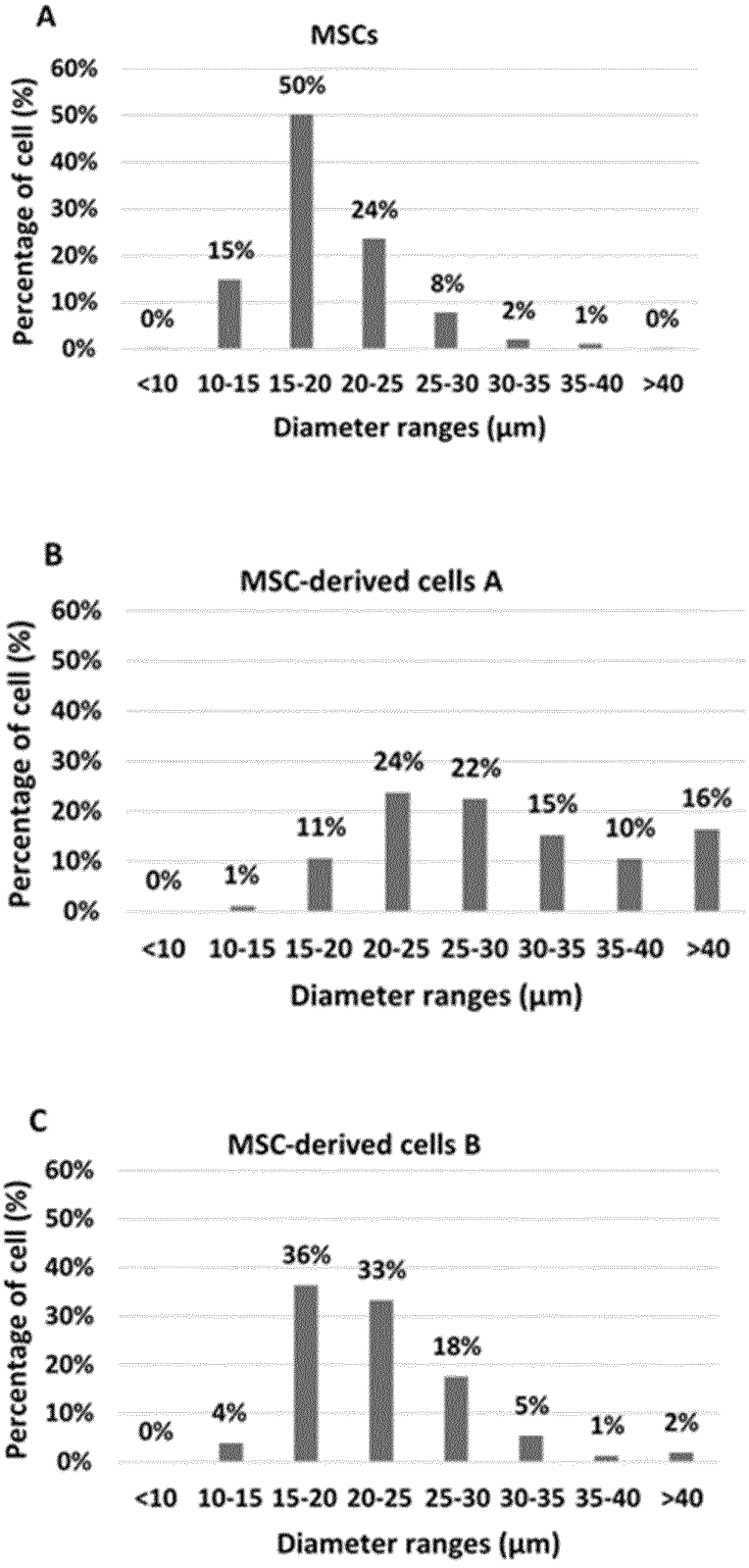

A
MSCs
Percentage of cell (%)
60%
50%
40%
30%
20%
10%
0%
0%
15%
50%
24%
8%
2%
1%
0%
<10
10-15
15-20
20-25
25-30
30-35
35-40
>40
Diameter ranges (µm)
B
MSC-derived cells A
Percentage of cell (%)
0%
1%
11%
24%
22%
15%
10%
16%
Diameter ranges (µm)
C
MSC-derived cells B
Percentage of cell (%)
0%
4%
36%
33%
18%
5%
1%
2%
Diameter ranges (µm)

FIG. 12

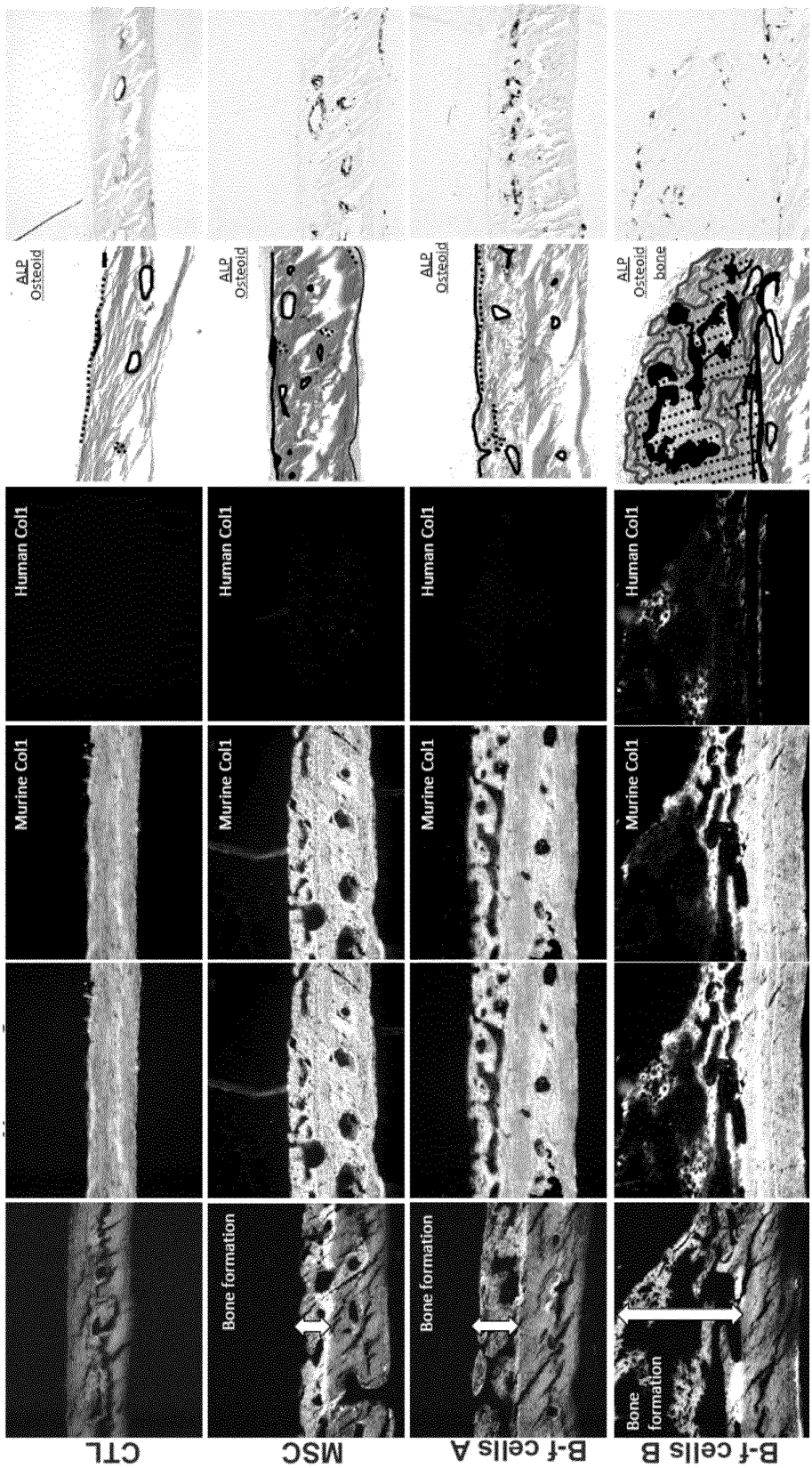

A
B
C
D
E
F
CTL
MSC
B-f cells A
B-f cells B
Bone formation
Murine Col1
Human Col1
ALP
Osteoid
bone

FIG. 13


Merge 10X
Excipient
Bone formation
MSC
Bone formation
B-f cells A
Mineralized nodules
Bone formation
B-f cells B

FIG. 14

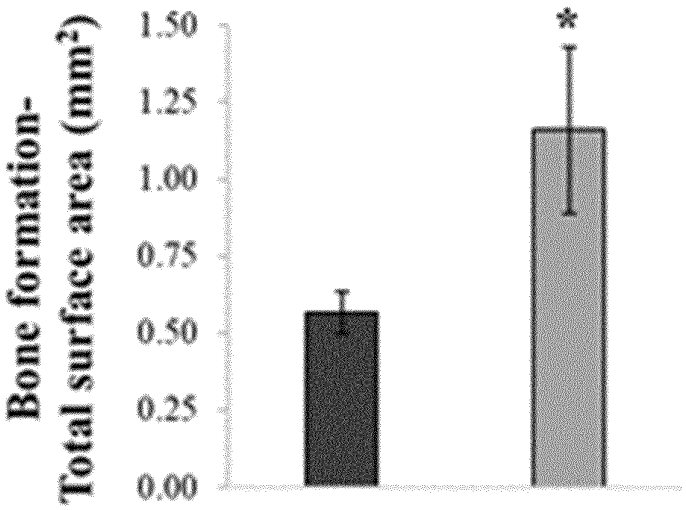

Bone formation-
Total surface area (mm²)
1.50
1.25
1.00
0.75
0.50
0.25
0.00
*

FIG. 15

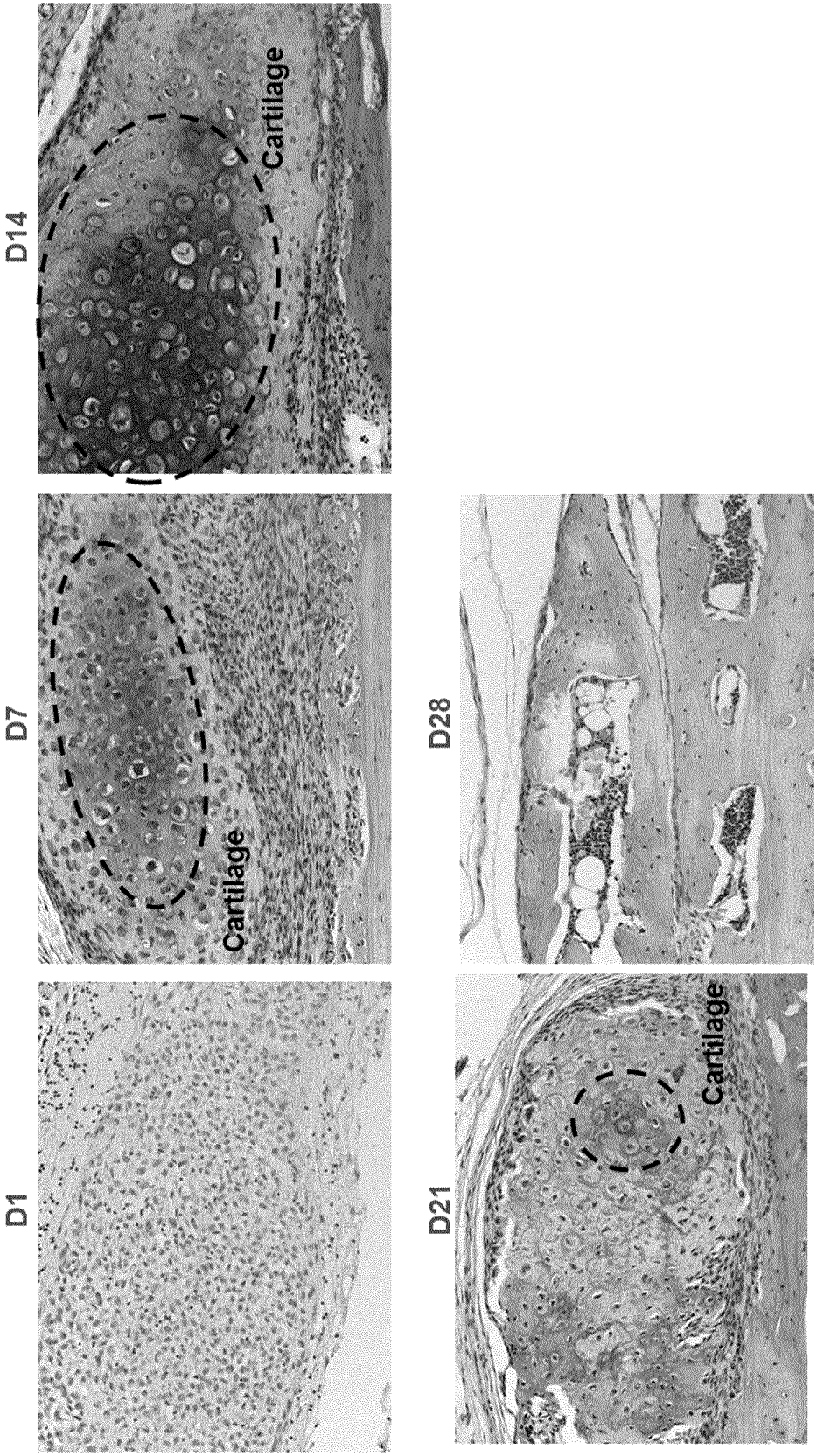
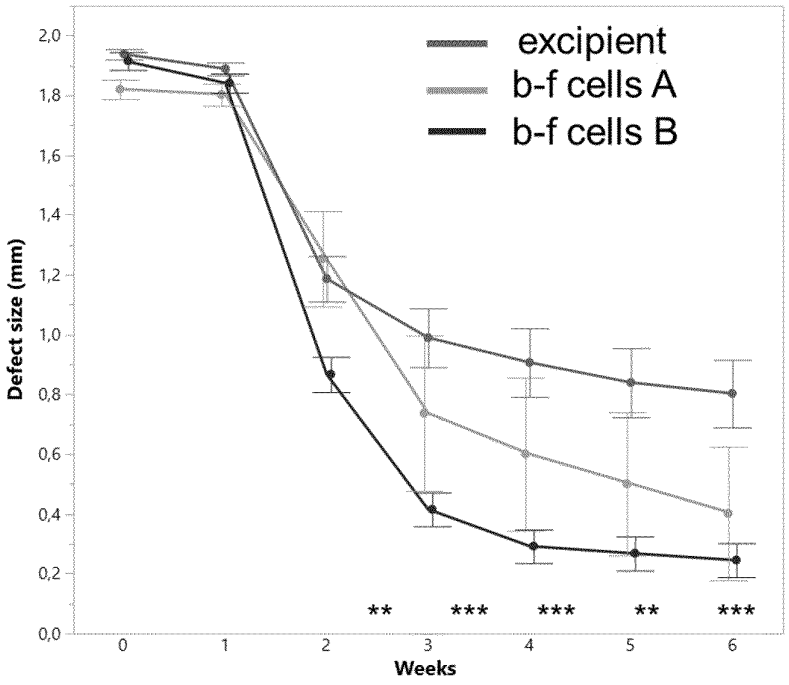


FIG. 16

A


excipient
b-f cells A
b-f cells B
Defect size (mm)
2,0
1,8
1,6
1,4
1,2
1,0
0,8
0,6
0,4
0,2
0,0
0
1
2
3
4
5
6
Weeks
**
***
***
**
***

B

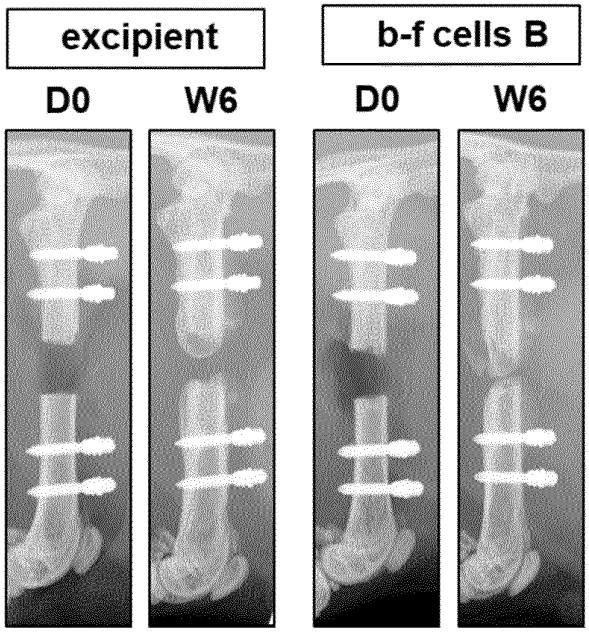

excipient
b-f cells B
D0
W6
D0
W6

FIG. 16 (continued)

C

