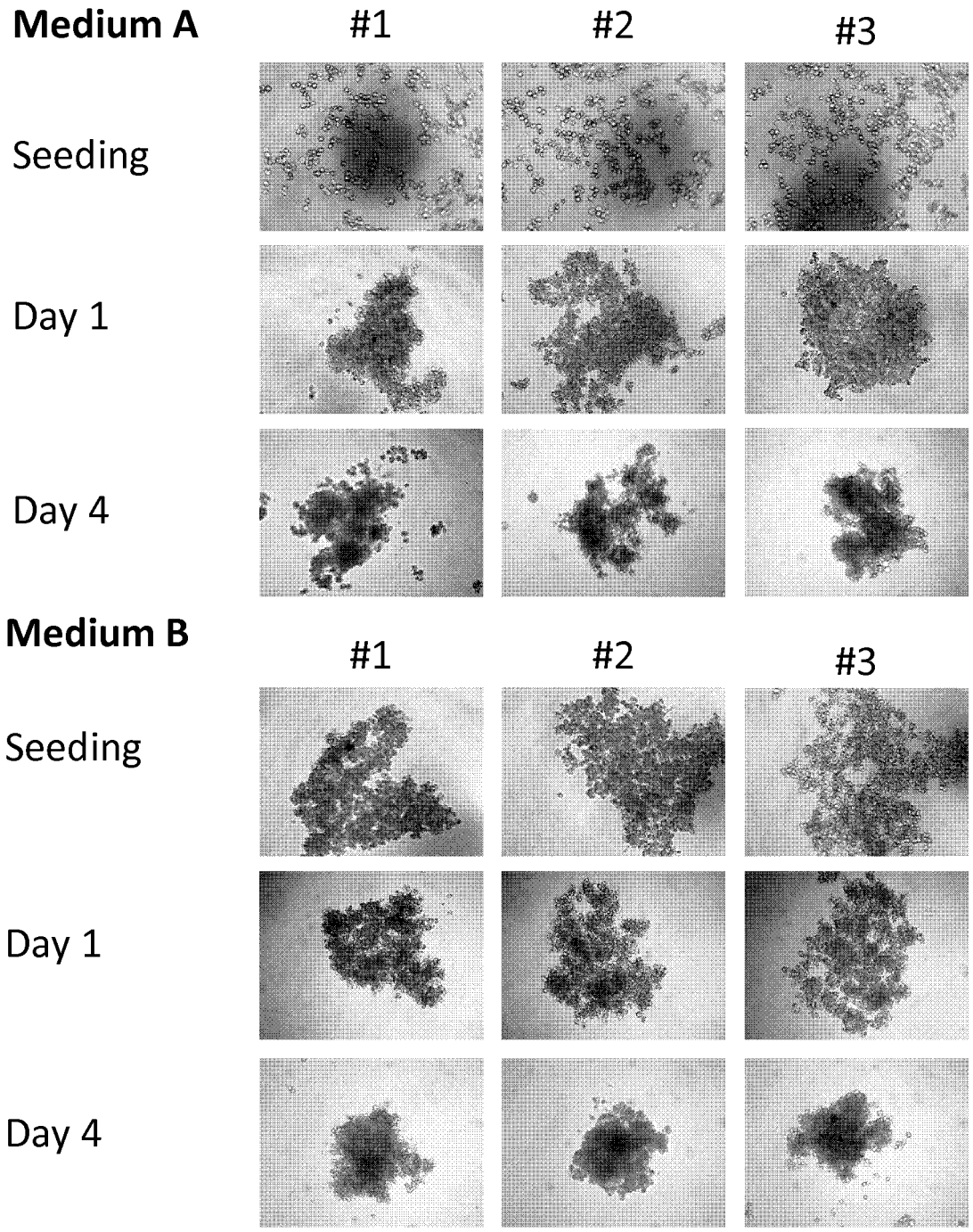


Benchmarking monolayer cultures of the same hepatocyte batch.

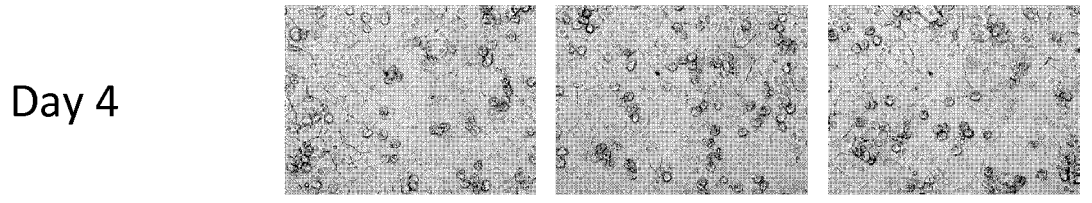


Fig. 1

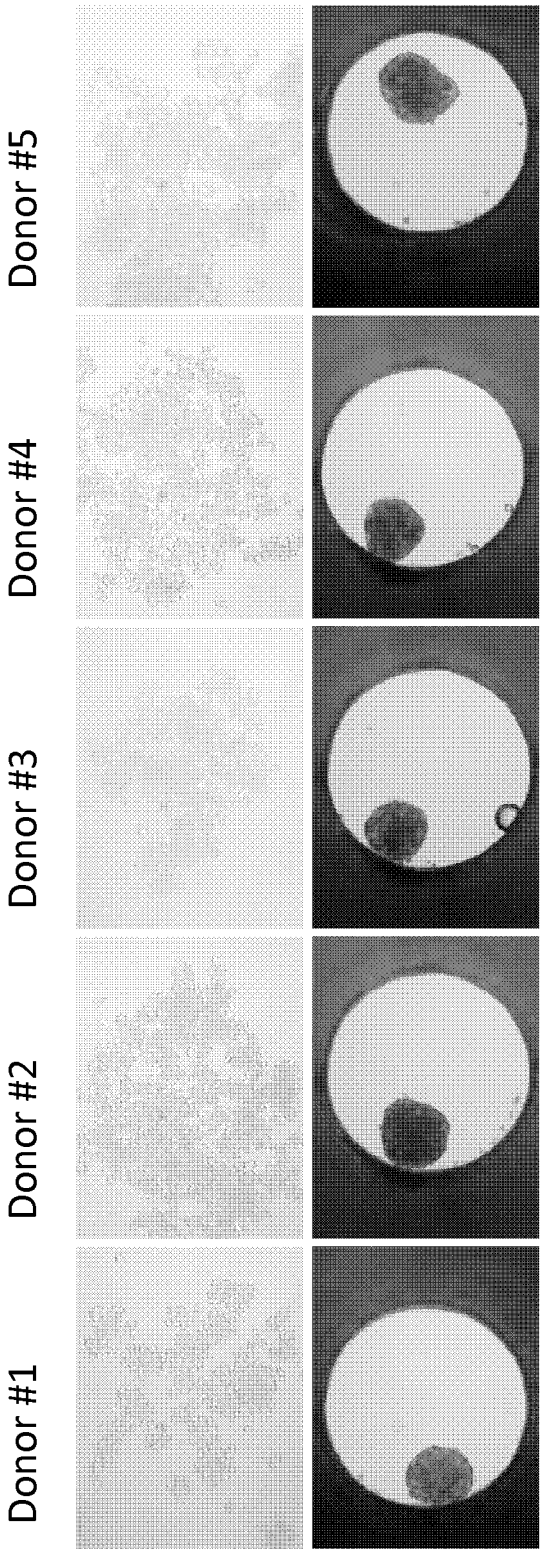

Donor #1
Donor #2
Donor #3
Donor #4
Donor #5
With pre-selection DAY 1
With pre-selection DAY 5

Fig. 2

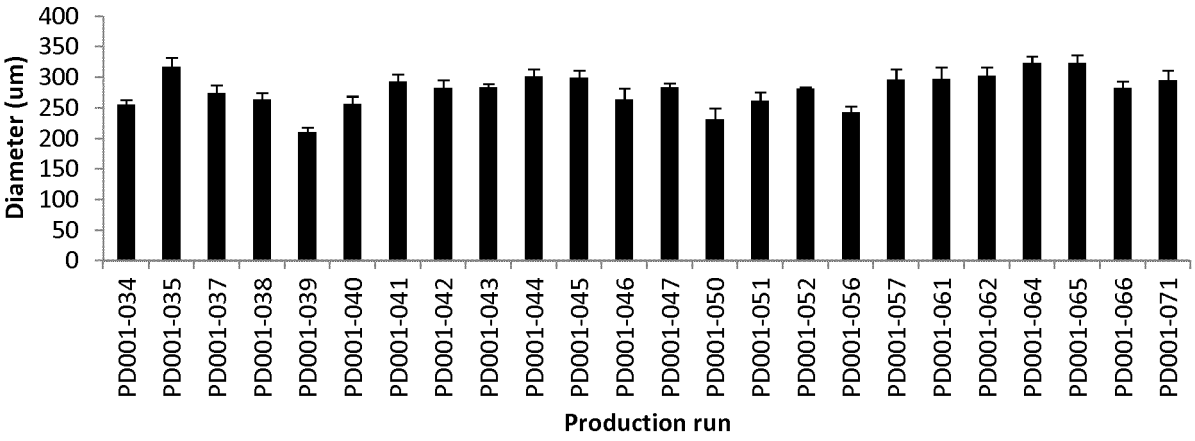

Diameter (um)
400
350
300
250
200
150
100
50
0
PD001-034
PD001-035
PD001-037
PD001-038
PD001-039
PD001-040
PD001-041
PD001-042
PD001-043
PD001-044
PD001-045
PD001-046
PD001-047
PD001-050
PD001-051
PD001-052
PD001-056
PD001-057
PD001-061
PD001-062
PD001-064
PD001-065
PD001-066
PD001-071
Production run

Fig. 3a

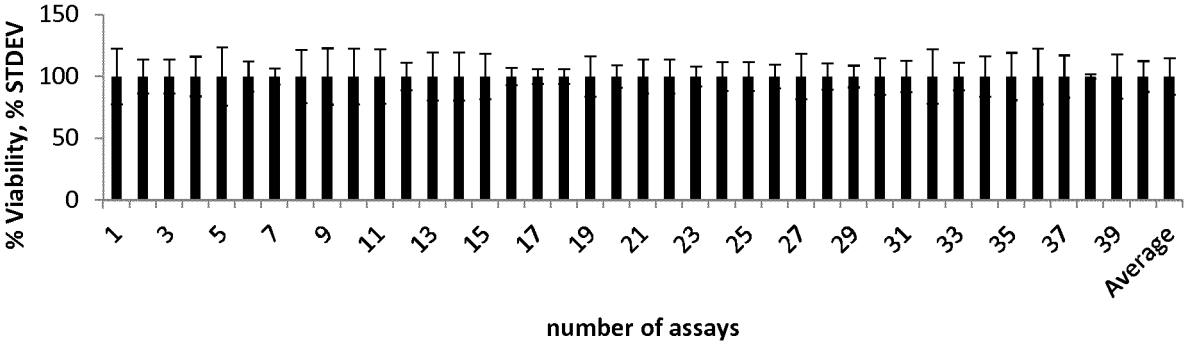
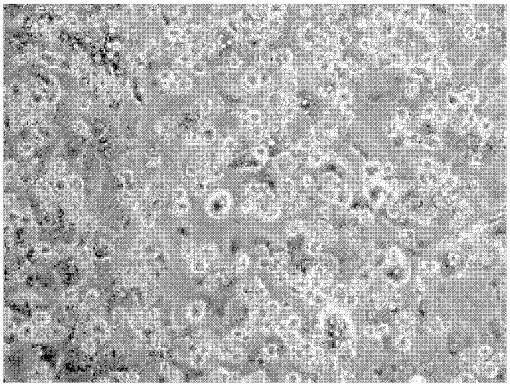
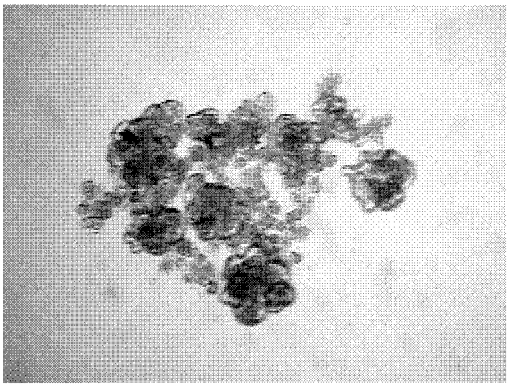

% Viability, % STDEV
150
100
50
0
1
3
5
7
9
11
13
15
17
19
21
23
25
27
29
31
33
35
37
39
Average
number of assays

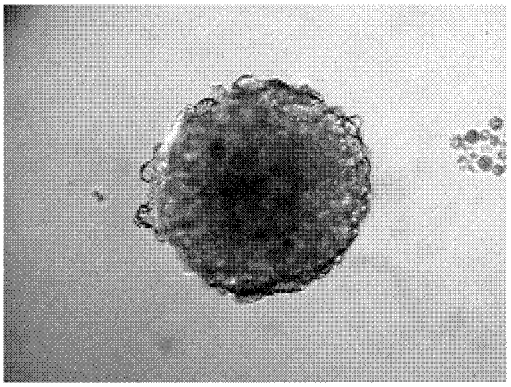
Fig. 3b

2D plated cryopreserved dog hepatocytes

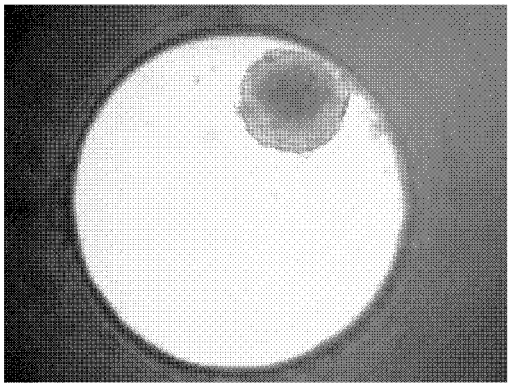


Cryopreserved dog hepatocytes 4 days after seeding in hanging drops after 2D pre-plating





Cryopreserved dog hepatocytes 4 days after seeding in hanging drops



Cryopreserved dog hepatocytes 5 days after seeding in hanging drops after 2D pre-plating

Fig. 4

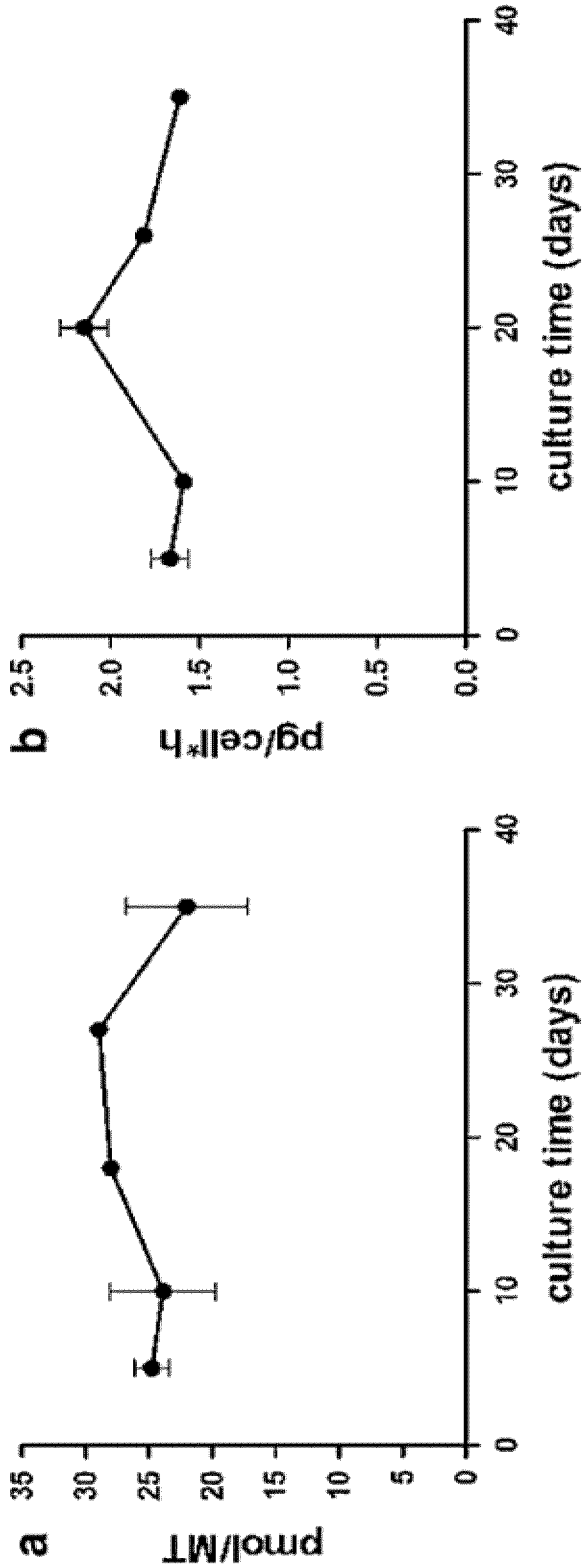

a
pmol/MT
0
5
10
15
20
25
30
35
0
10
20
30
40
culture time (days)
b
pg/cell*h
0.0
0.5
1.0
1.5
2.0
2.5
0
10
20
30
40
culture time (days)

Fig. 5

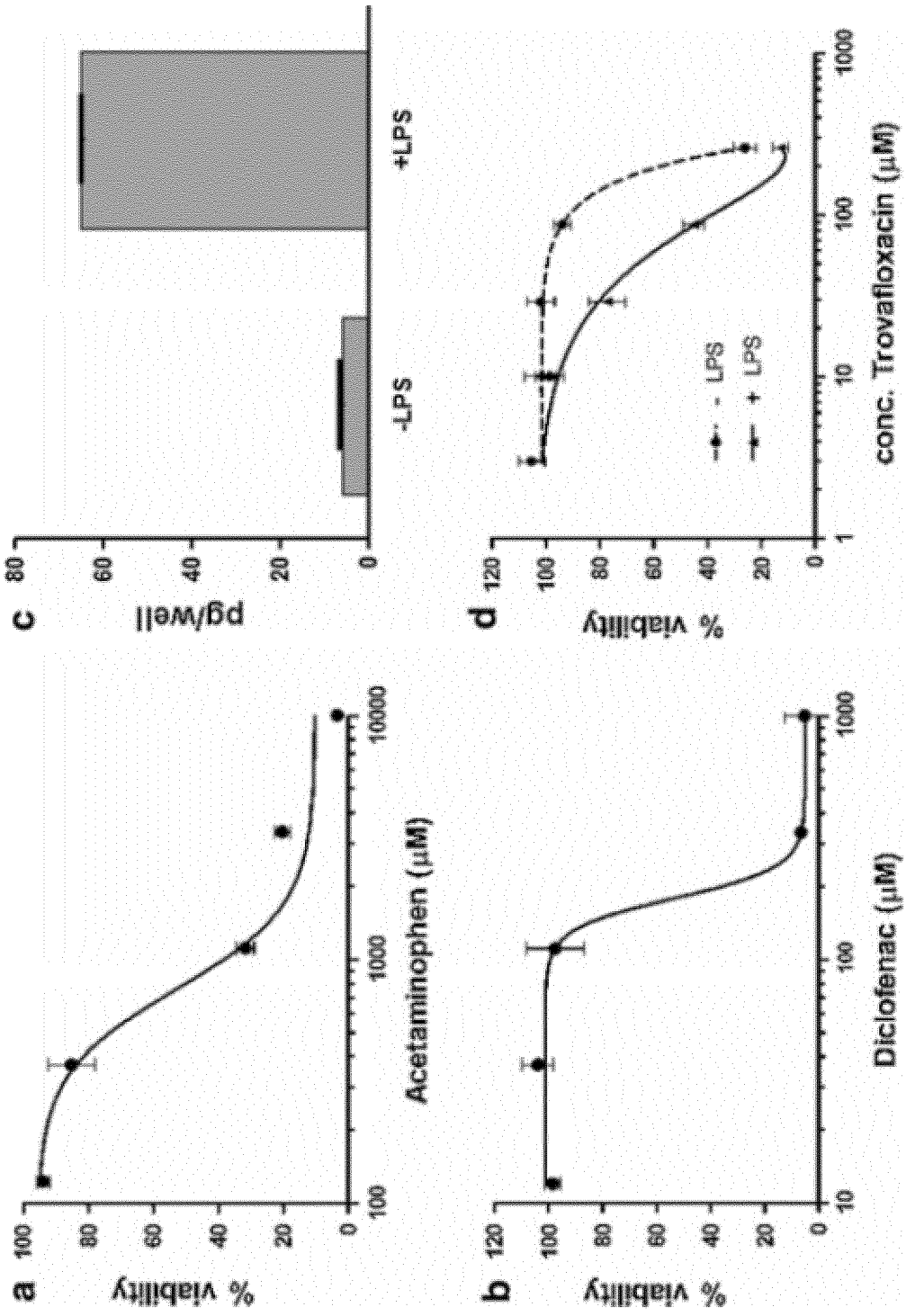

a
% viability
Acetaminophen (µM)
b
% viability
Diclofenac (µM)
c
pg/well
-LPS
+LPS
d
% viability
conc. Trovafloxacin (µM)
- LPS
+ LPS

Fig. 6

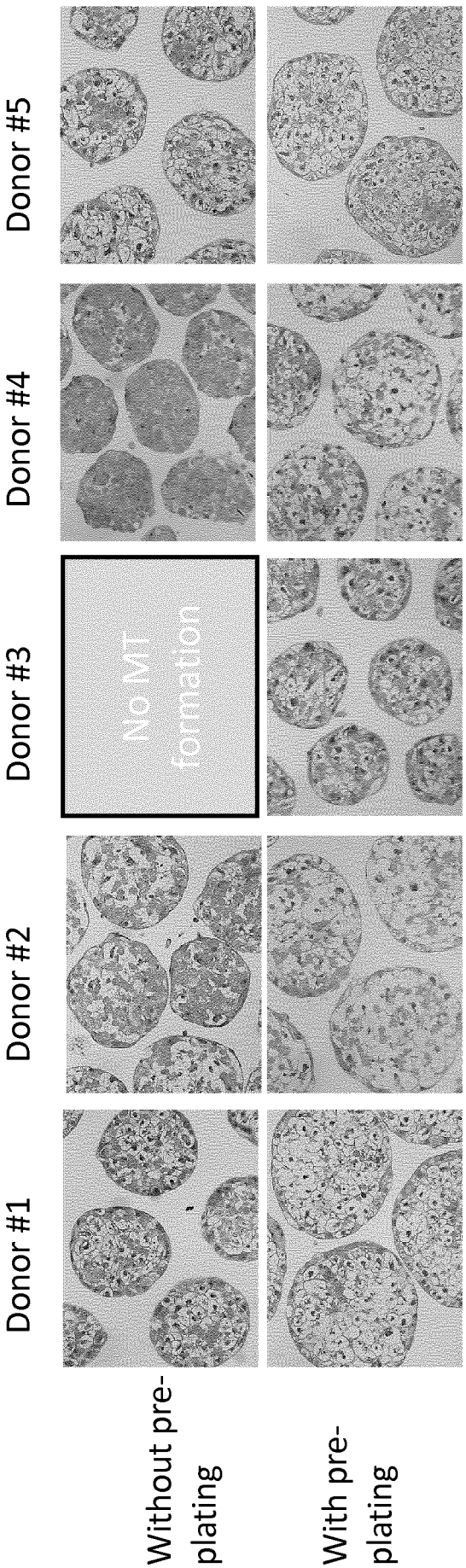

Donor #1
Donor #2
Donor #3
Donor #4
Donor #5
No MT formation
Without pre-plating
With pre-plating

Fig. 7