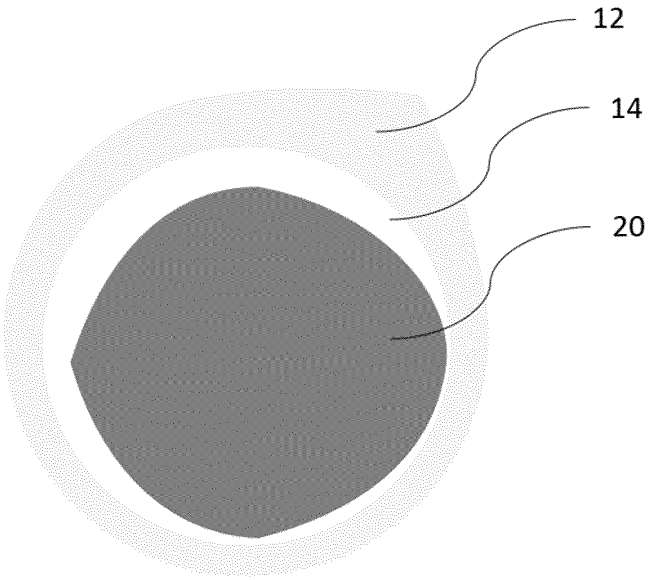


Figure 1a

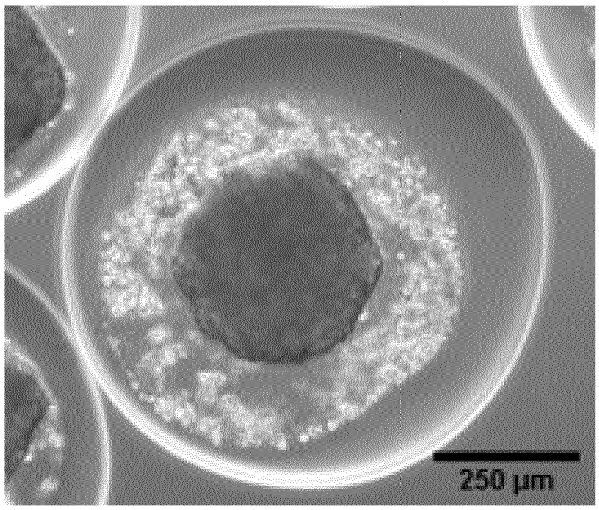


Figure 1b

Sans ajout de matrice au moment de l'encapsulation

Avec ajout de matrice au moment de l'encapsulation

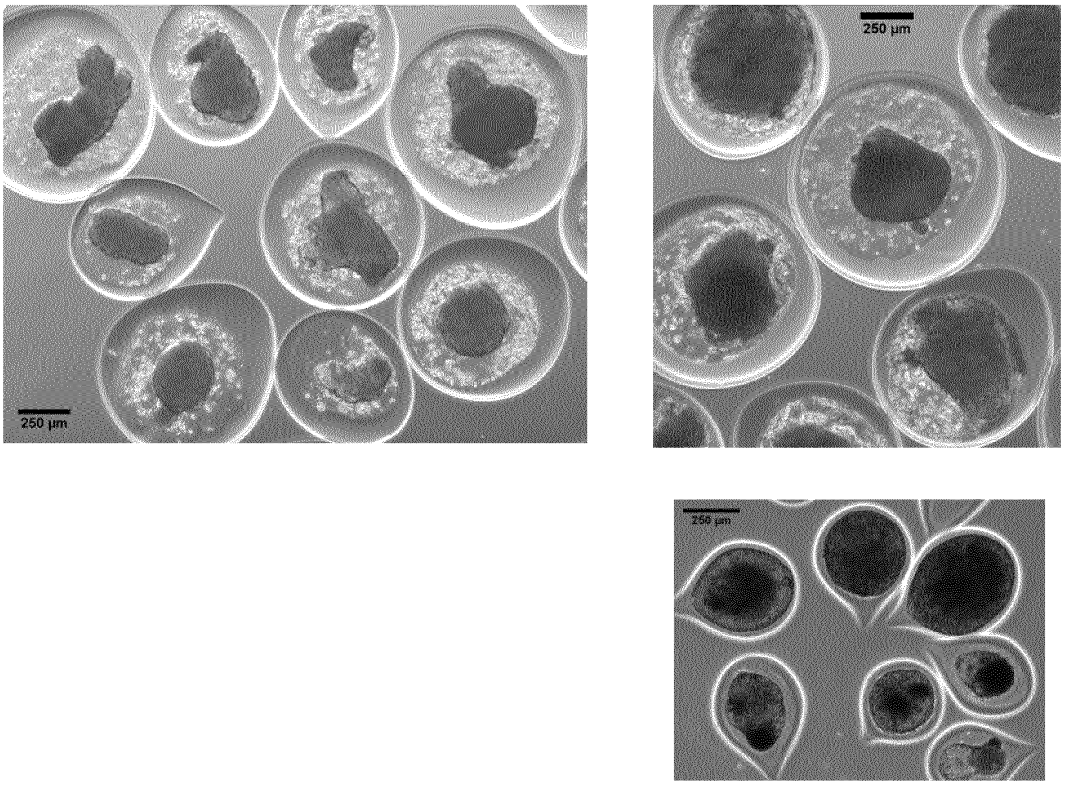


Figure 1c

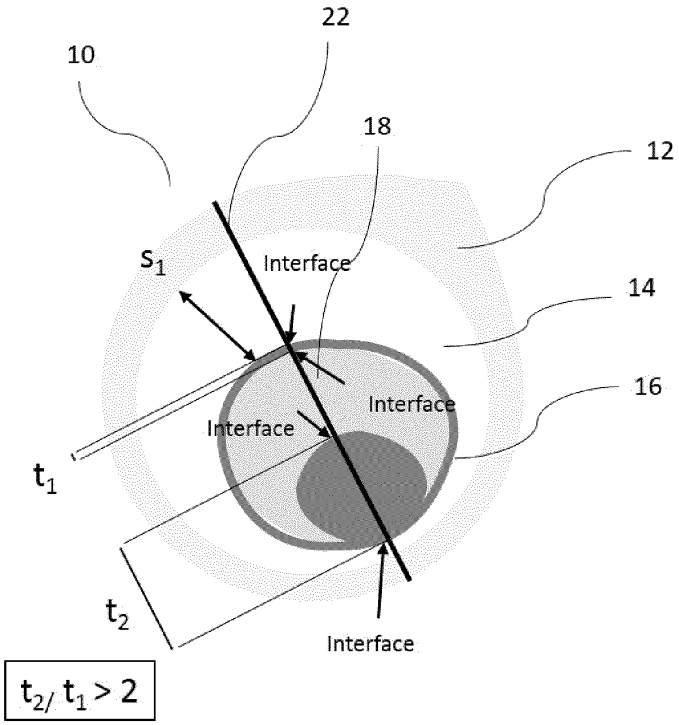
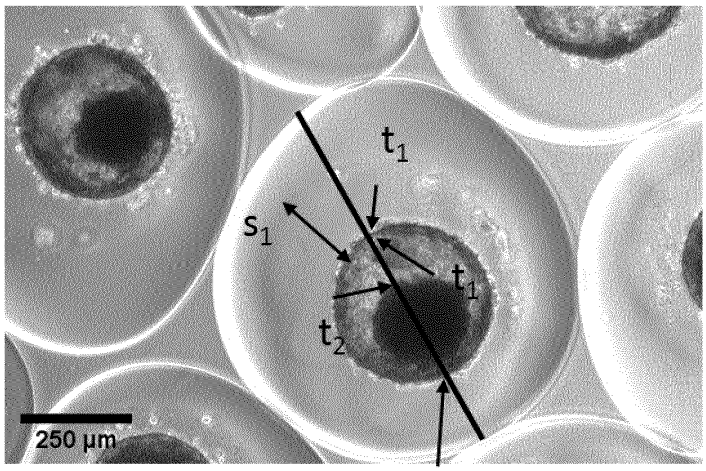


Figure 2a



t_2

Figure 2b

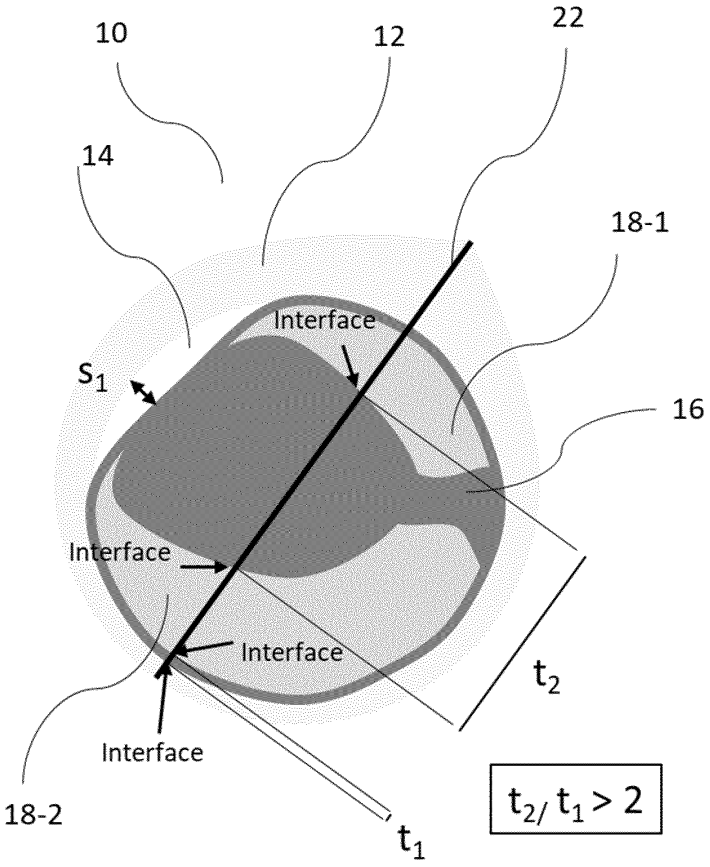

10
12
22
14
18-1
Interface
s_1
16
Interface
Interface
t_2
Interface
18-2
t_1
$t_2 / t_1 > 2$

Figure 3a

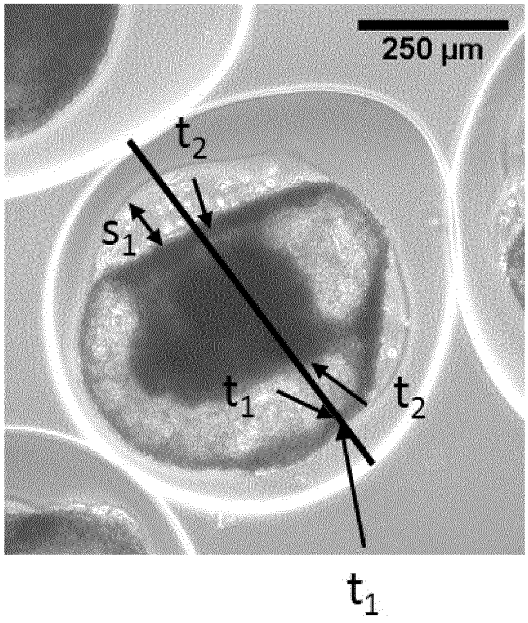


Figure 3b

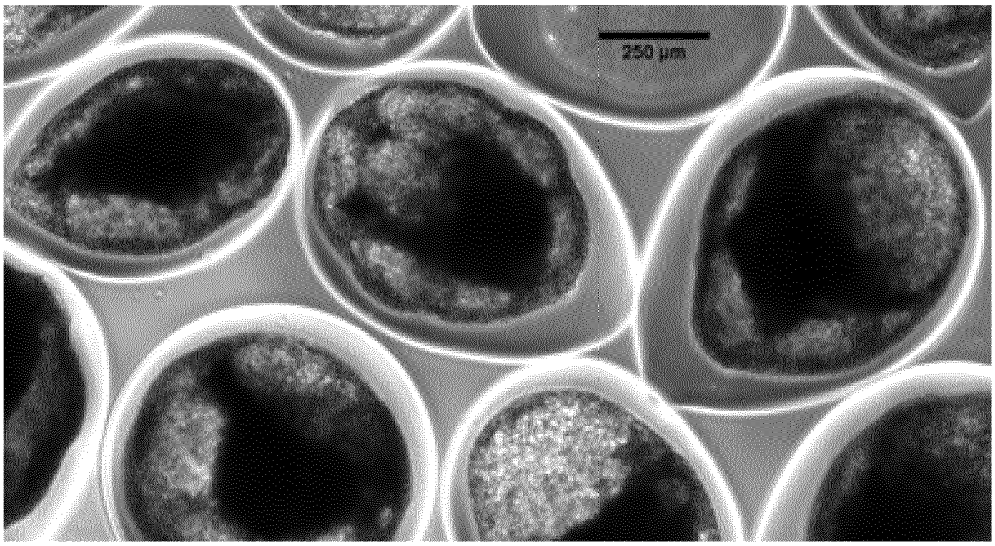


Figure 3c

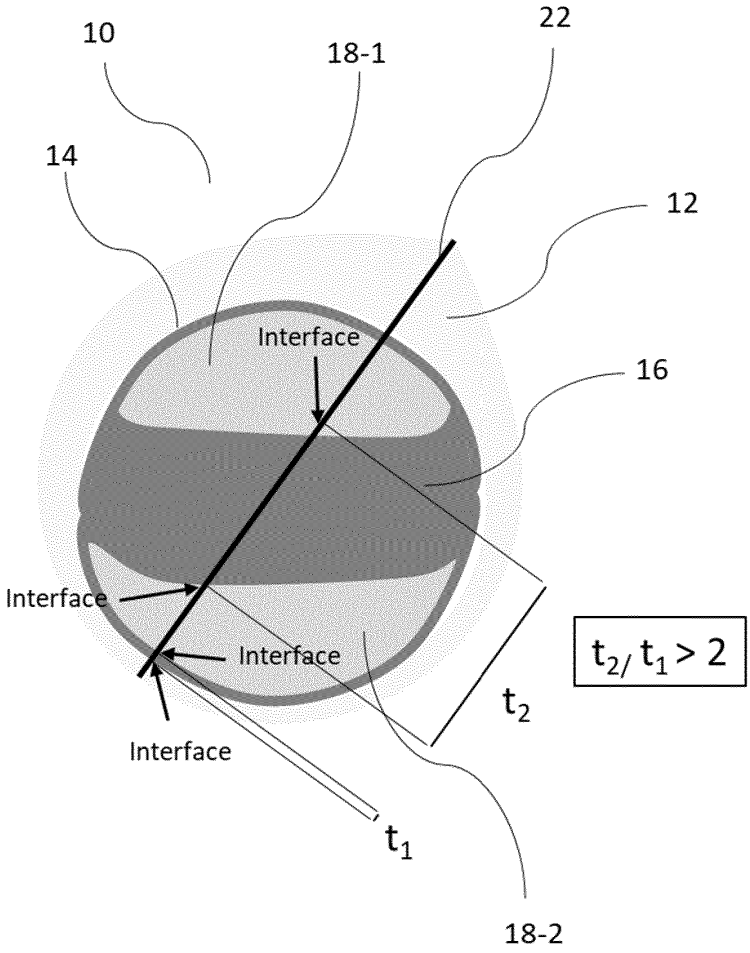


Figure 4a

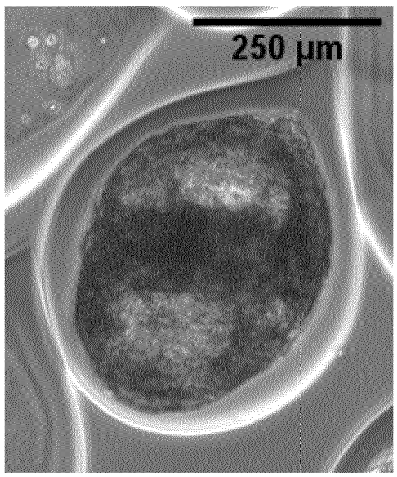


Figure 4b

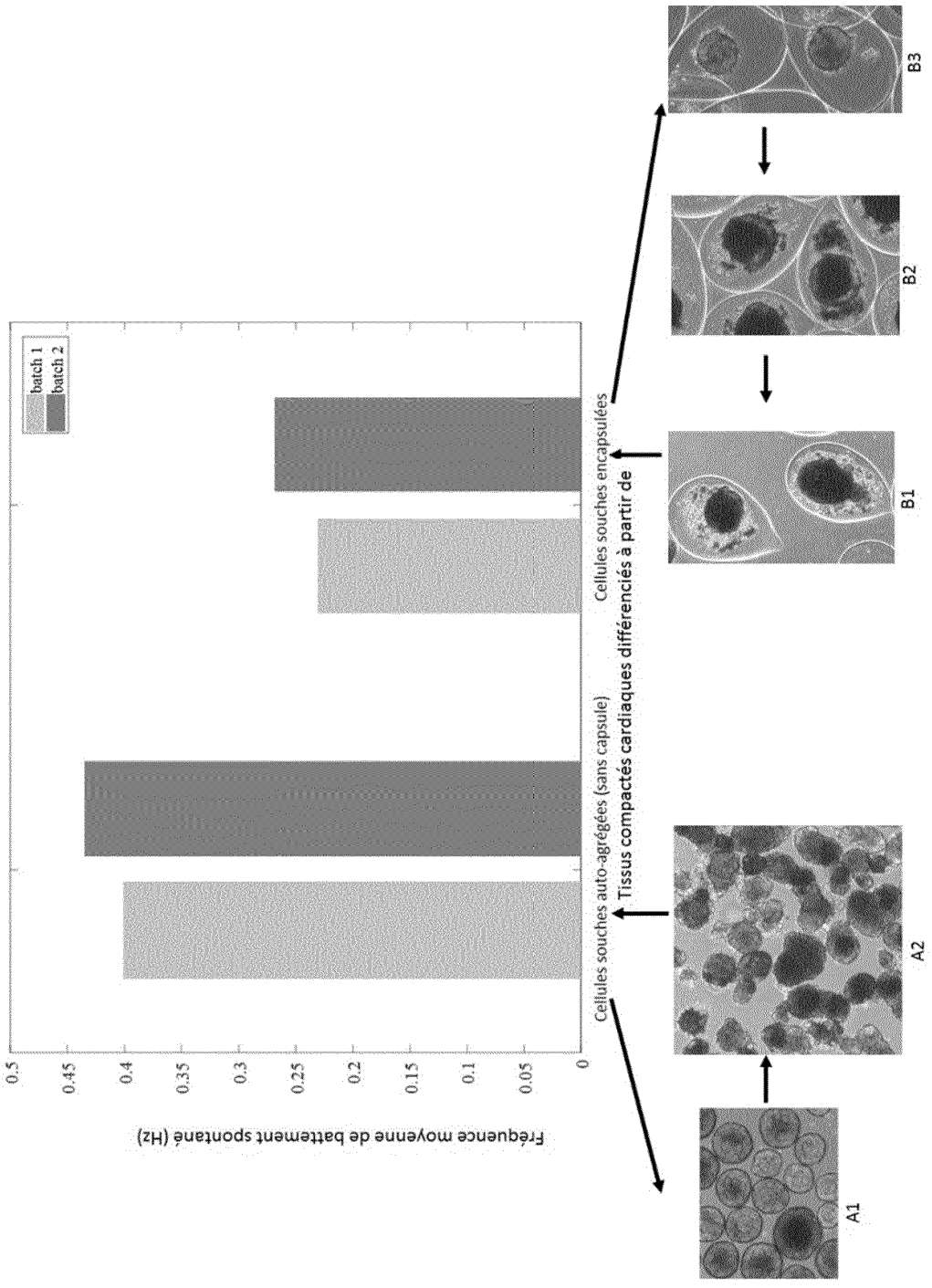

batch 1
batch 2
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Fréquence moyenne de battement spontané (Hz)
Cellules souches auto-agrégées (sans capsule)
Tissus compactés cardiaques différenciés à partir de
Cellules souches encapsulées
A1
A2
B1
B2
B3

Figure 5

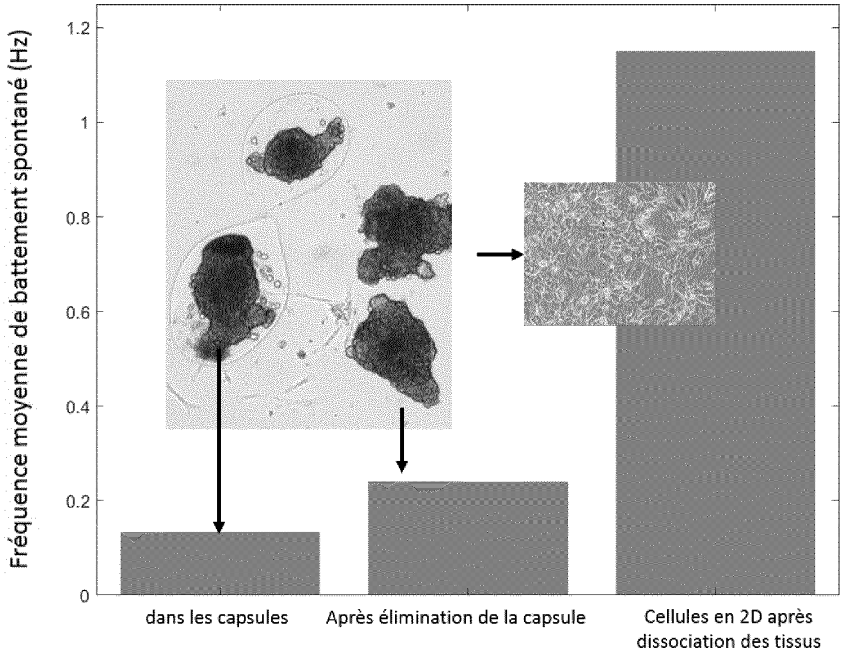

Fréquence moyenne de battement spontané (Hz)
1.2
1
0.8
0.6
0.4
0.2
0
dans les capsules
Après élimination de la capsule
Cellules en 2D après dissociation des tissus

Figure 6

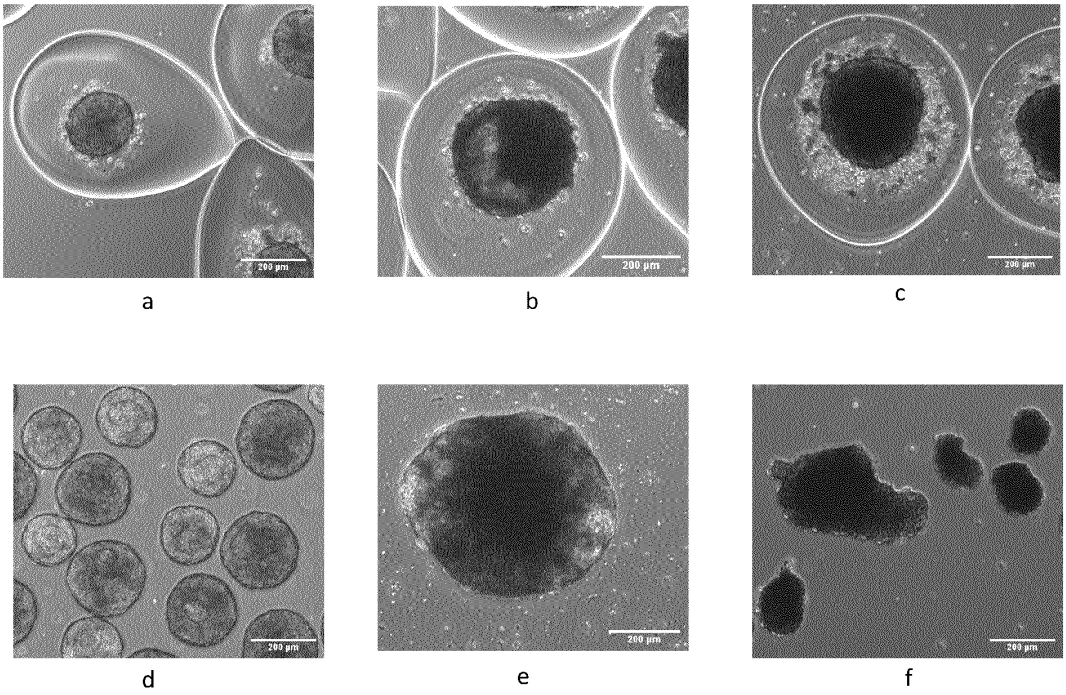


Figure 7

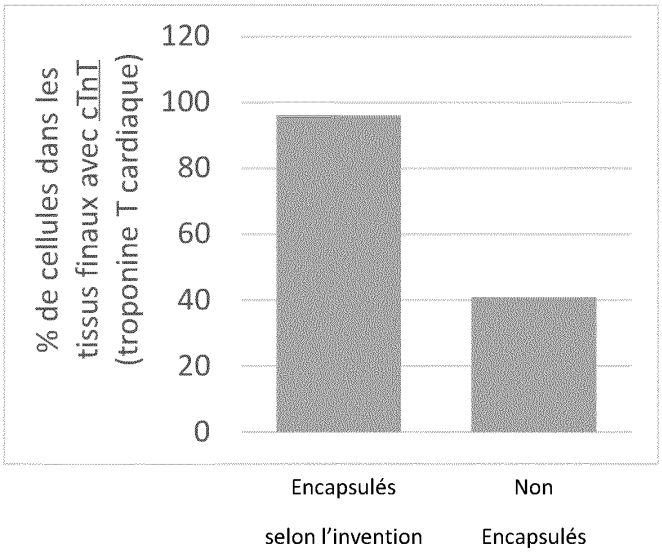


Figure 8

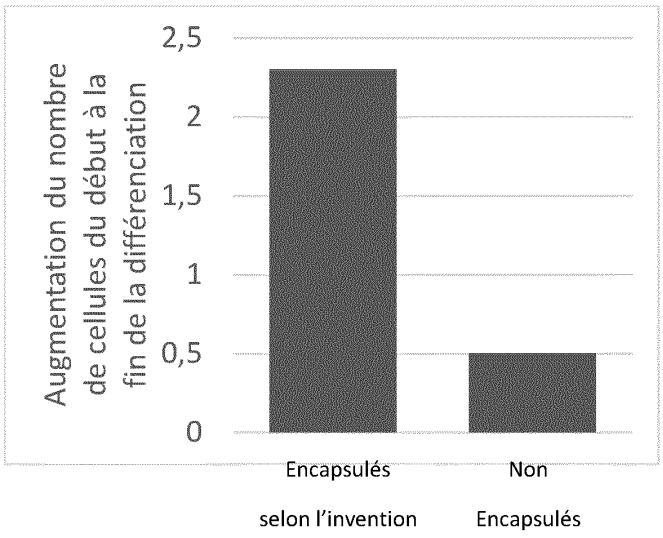

Augmentation du nombre de cellules du début à la fin de la différenciation
2,5
2
1,5
1
0,5
0
Encapsulés selon l'invention
Non Encapsulés

Figure 9