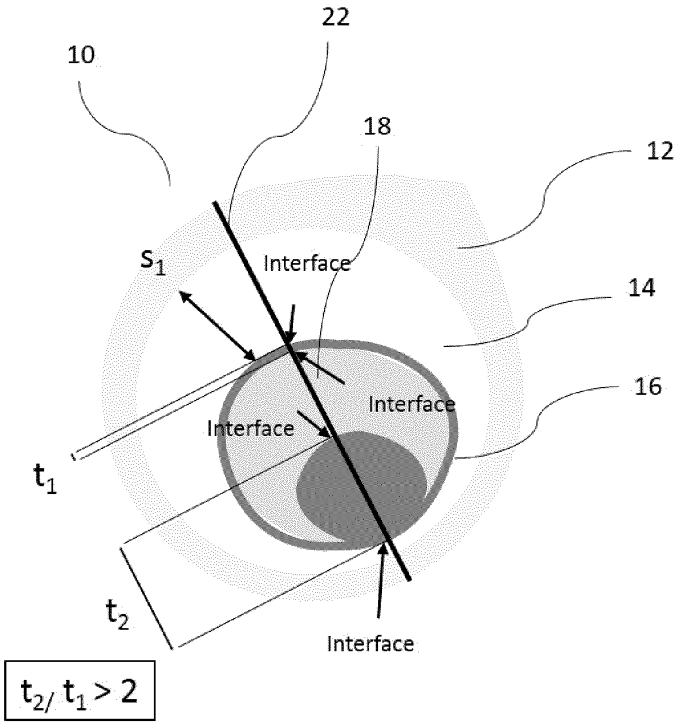
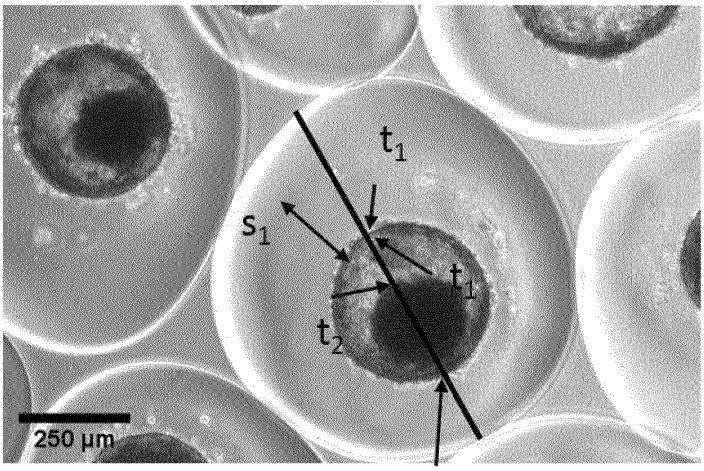



Figure 1a




$t_2$

Figure 1b

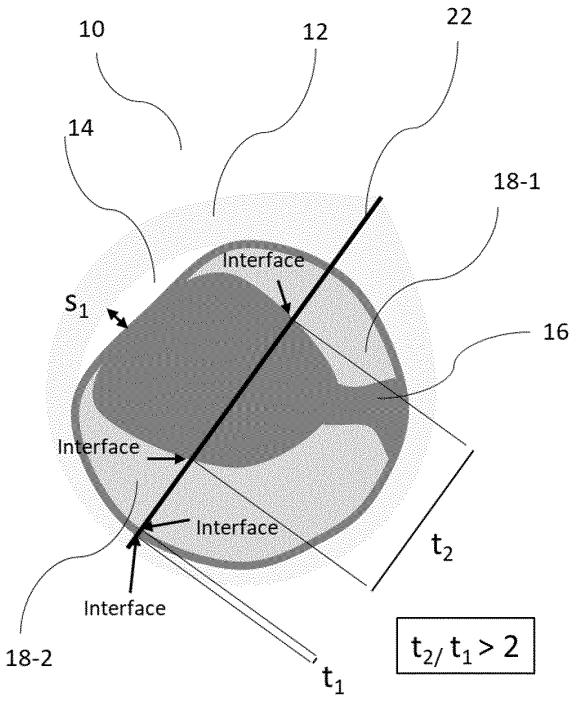



Figure 2a

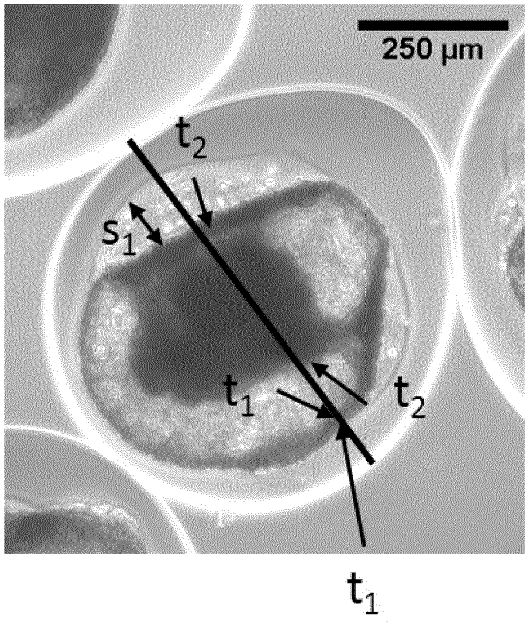



Figure 2b

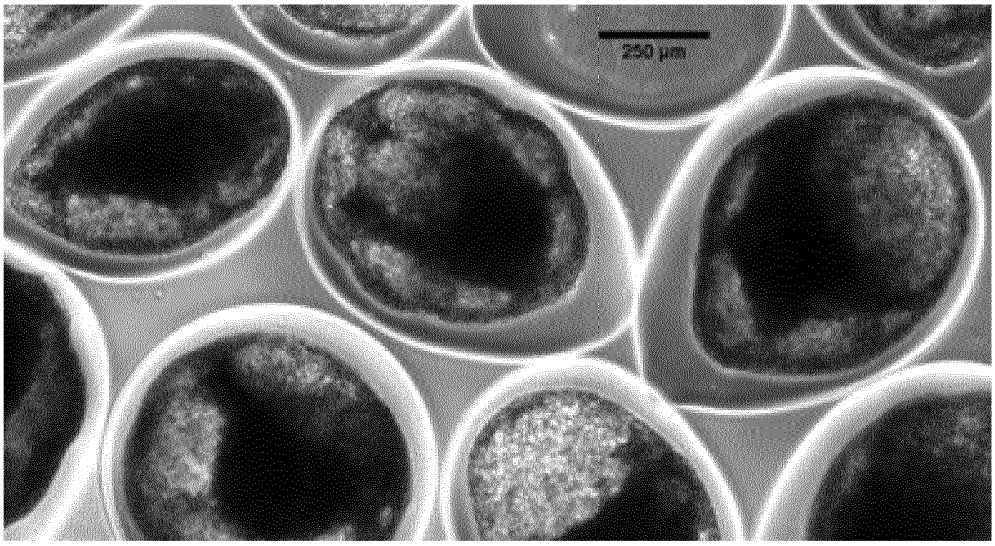



Figure 2c

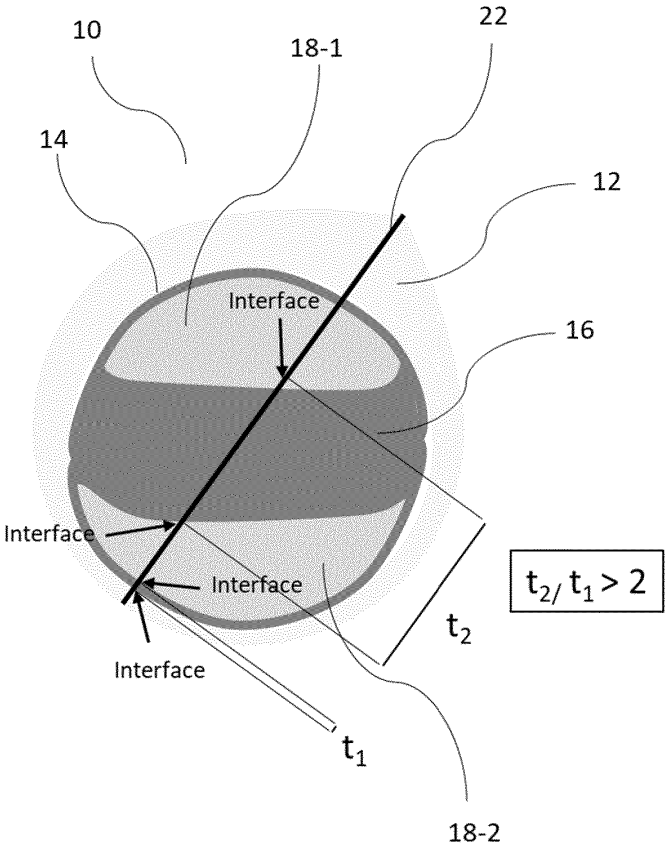



Figure 3a

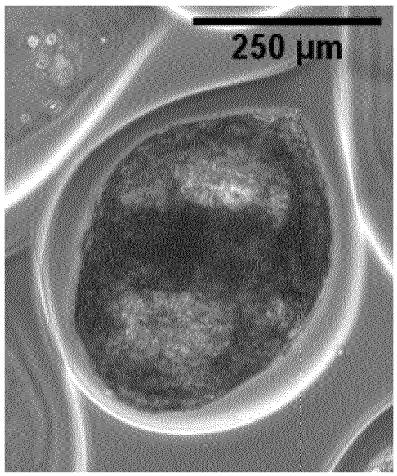



Figure 3b

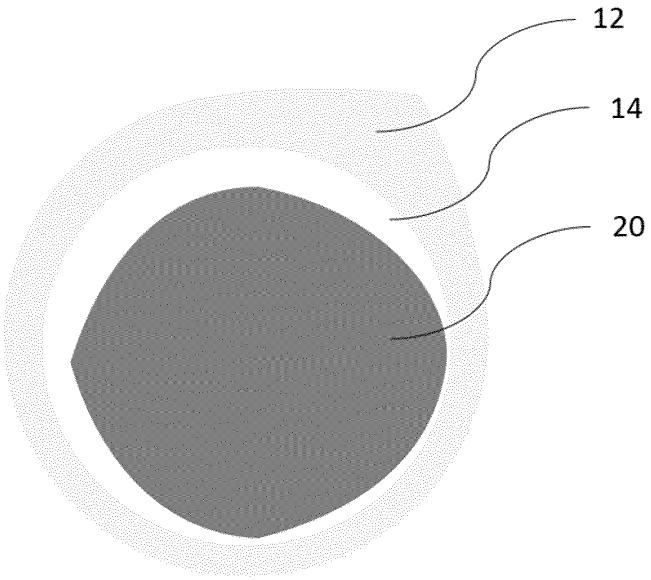



Figure 4a

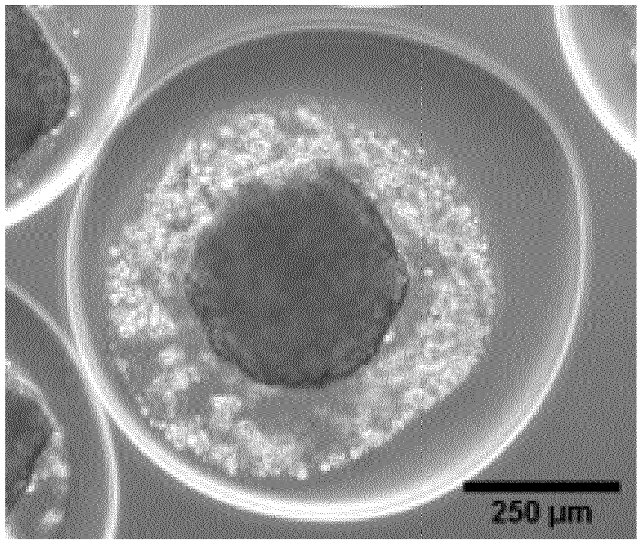



Figure 4b

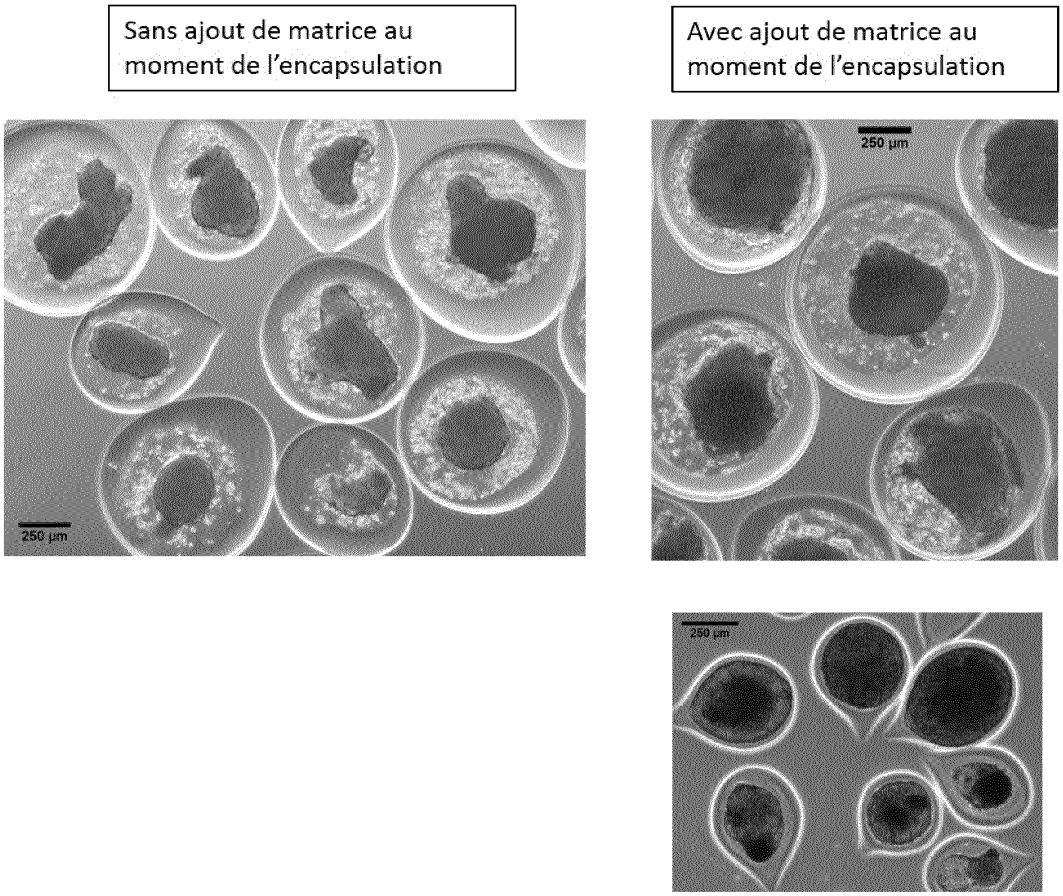

Sans ajout de matrice au moment de l'encapsulation
Avec ajout de matrice au moment de l'encapsulation
250 µm
250 µm
250 µm

Figure 4c

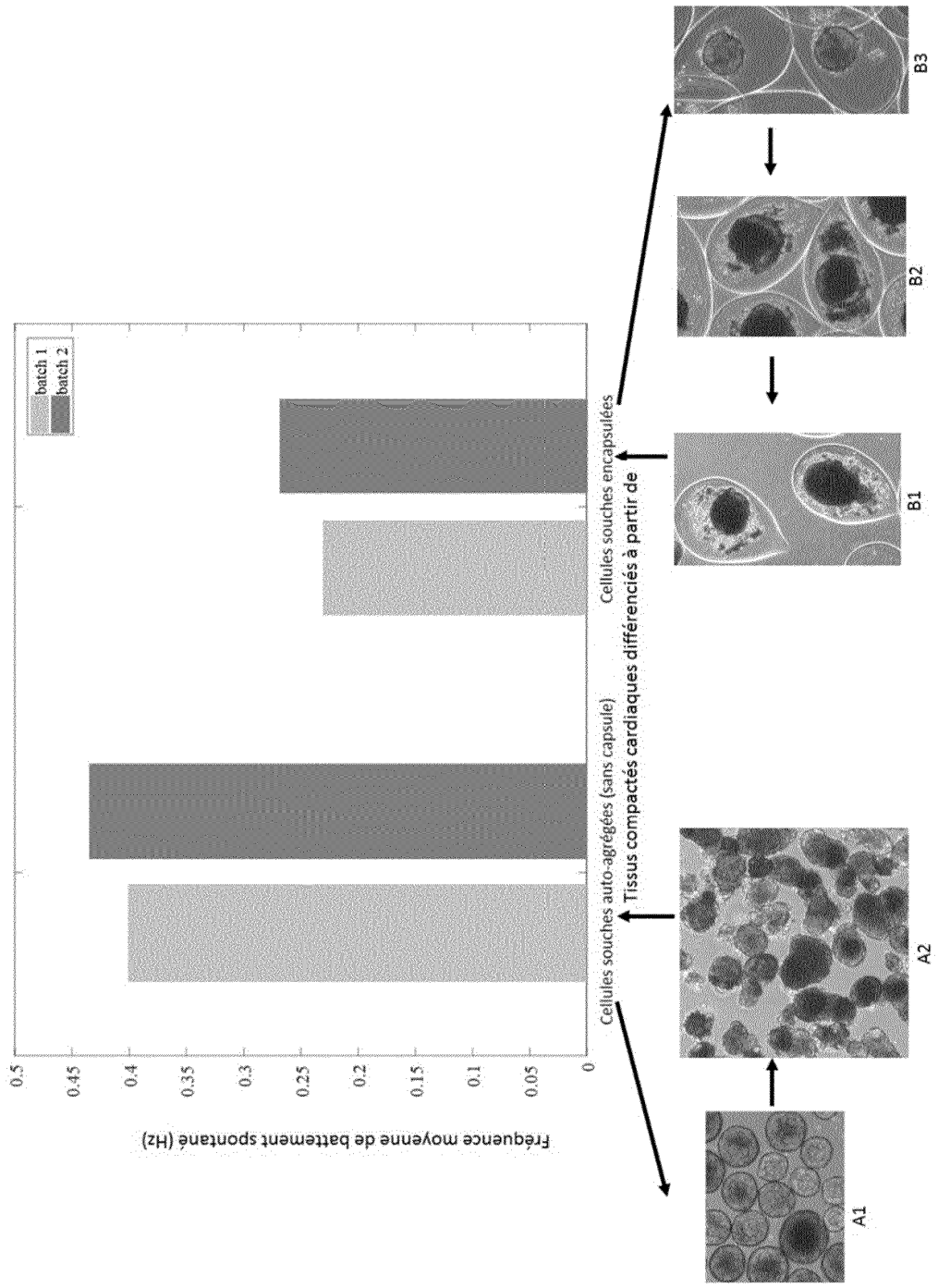

batch 1
batch 2
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
Fréquence moyenne de battement spontané (Hz)
Cellules souches auto-agrégées (sans capsule)
Tissus compactés cardiaques différenciés à partir de
Cellules souches encapsulées
A1
A2
B1
B2
B3

Figure 5

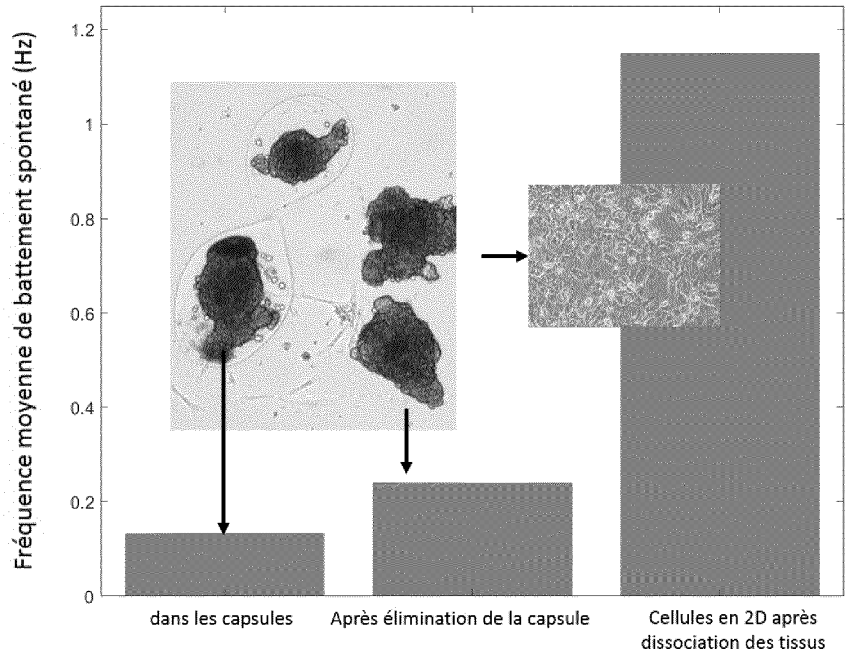
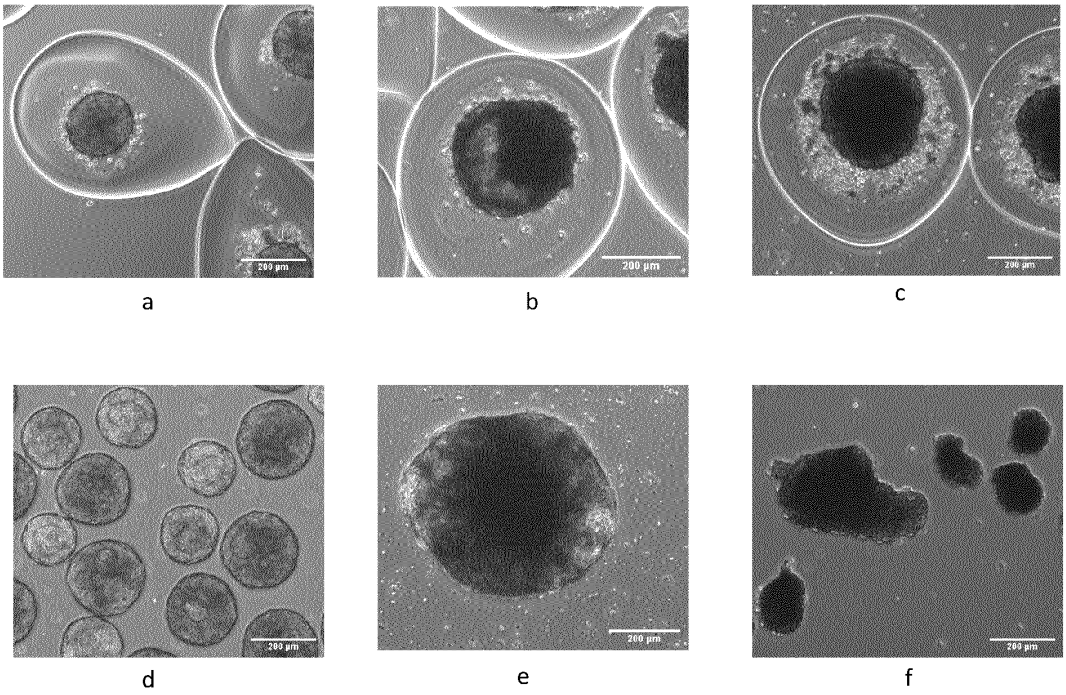

Fréquence moyenne de battement spontané (Hz)
1.2
1
0.8
0.6
0.4
0.2
0
dans les capsules
Après élimination de la capsule
Cellules en 2D après dissociation des tissus

Figure 6




a b c

d e f

Figure 7

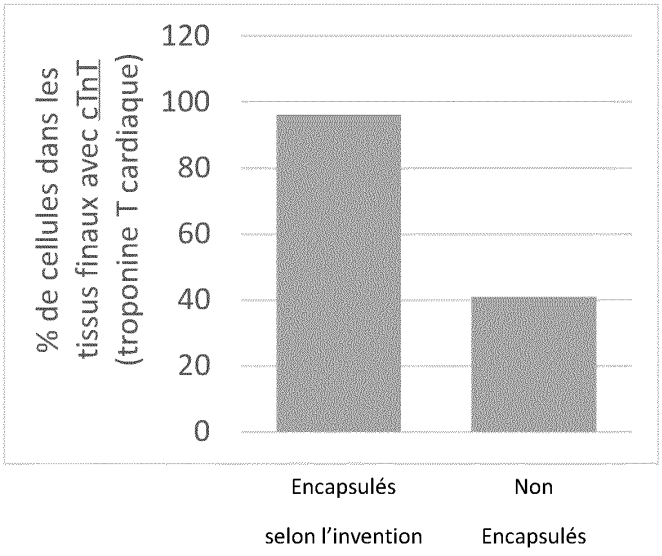



Figure 8

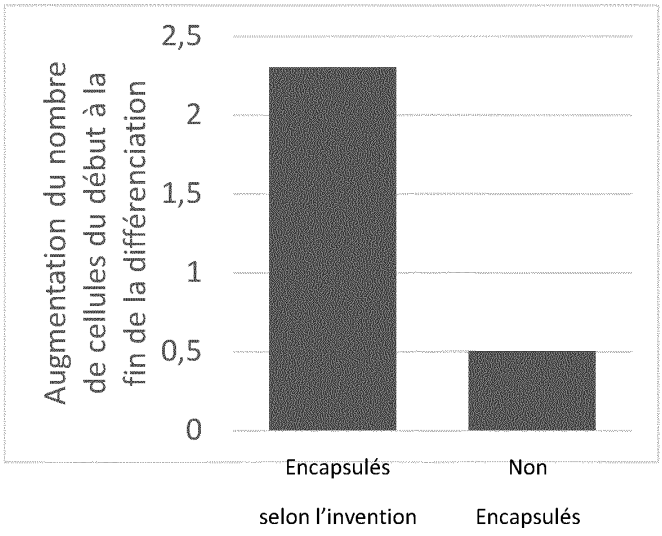



Figure 9