

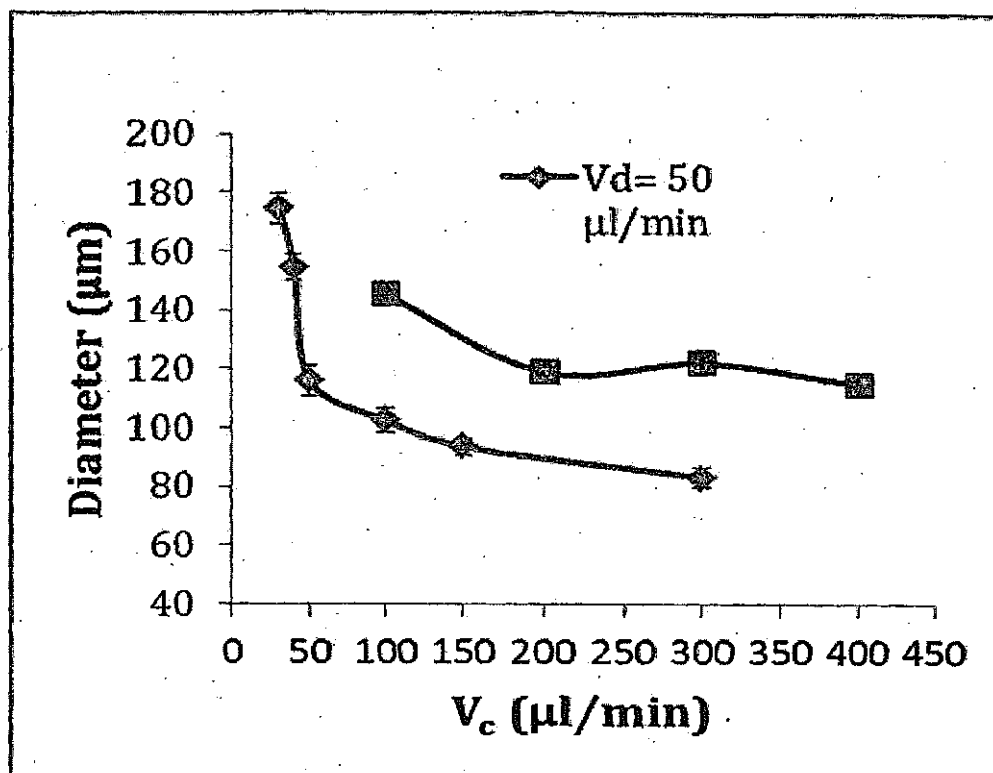


FIGURE 1A

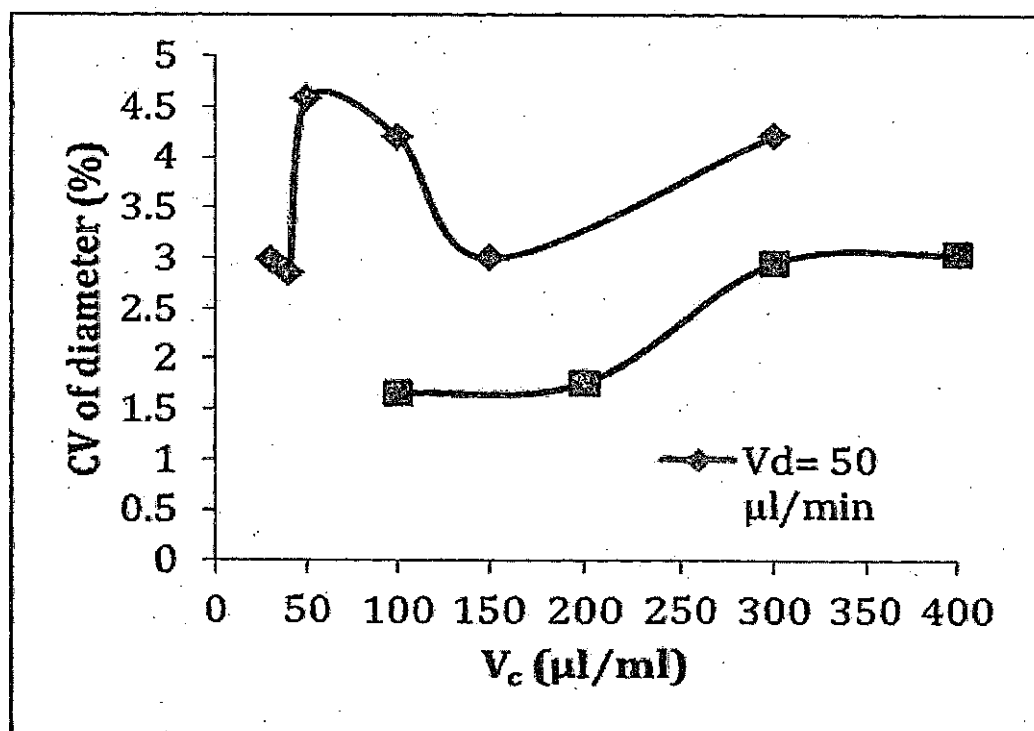
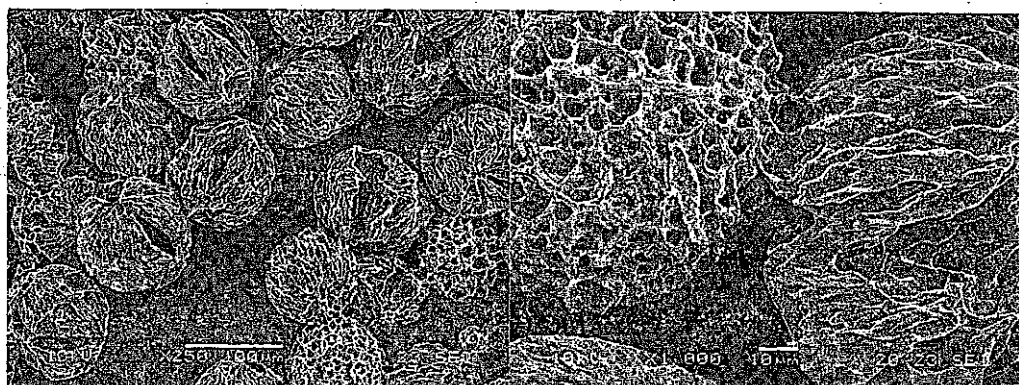


FIGURE 1B



PCL-NaOH for 1 d (30h)



PCL-NaOH for 7d

FIGURE 2

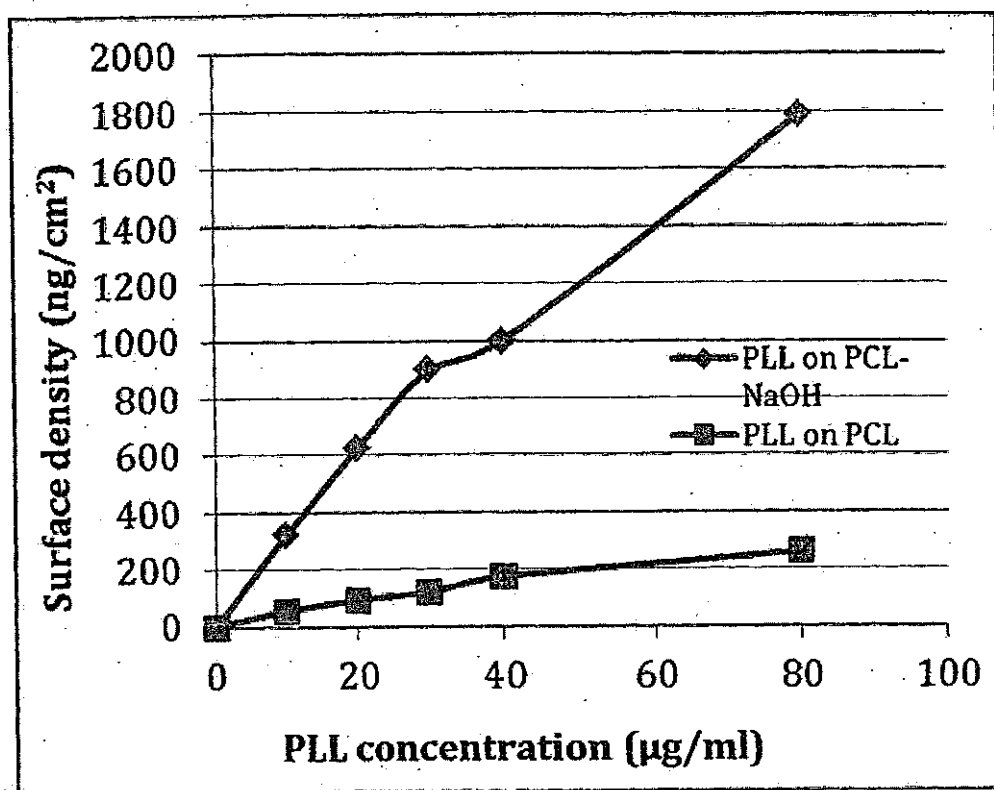


FIGURE 3A

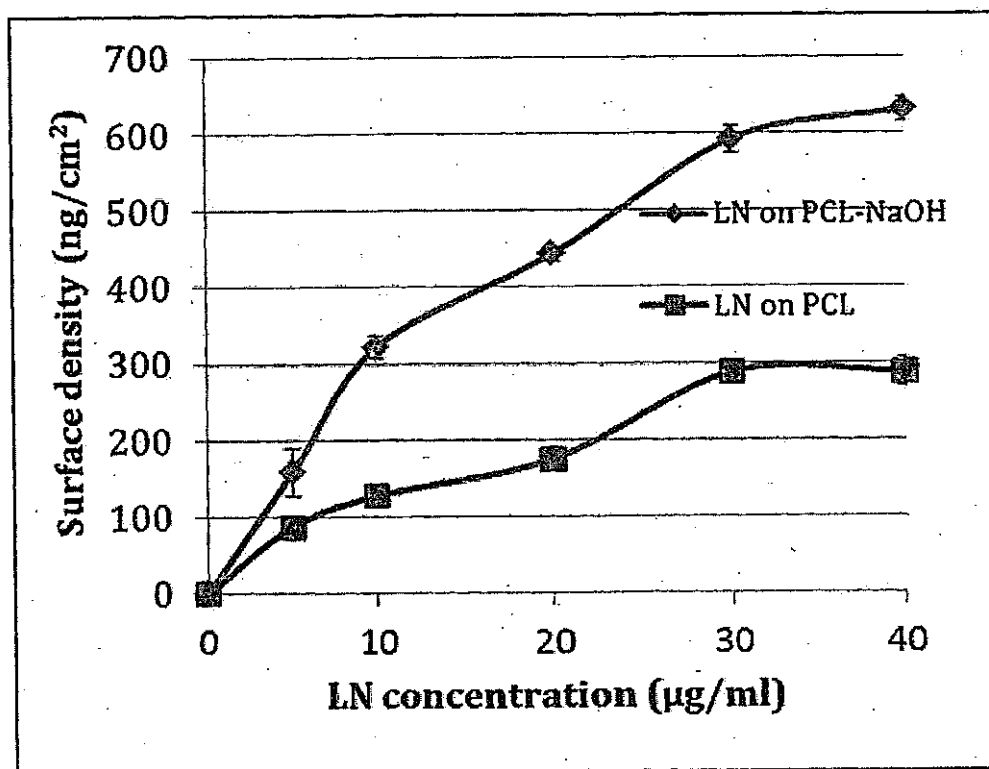


FIGURE 3B

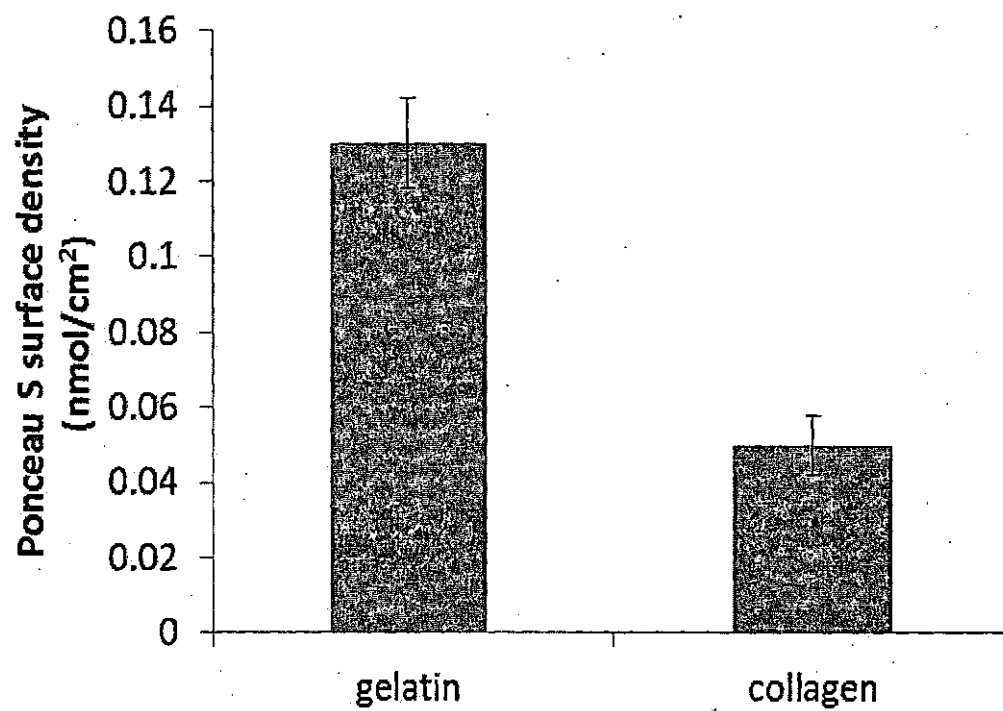


FIGURE 4

	Microcarriers	Treatment	Coatings			
		NaOH	VN	LN	PLL	Collagen
1	PS-VN		+			
2	PS-LN			+		
3	PS-PLL VN		+		+	
4	PS-PLL LN			+	+	
5	PCL					
6	PCL-VN		+			
7	PCL-LN			+		
8	PCL-NaOH	+				
9	PCL-NaOH VN	+	+			
10	PCL-NaOH LN	+		+		
11	PCL-NaOH PLL VN	+	+		+	
12	PCL-NaOH PLL LN	+		+	+	
13	PCL-NaOH Collagen VN	+	+			+
14	PCL-NaOH Collagen LN	+		+		+

FIGURE 5

6/21

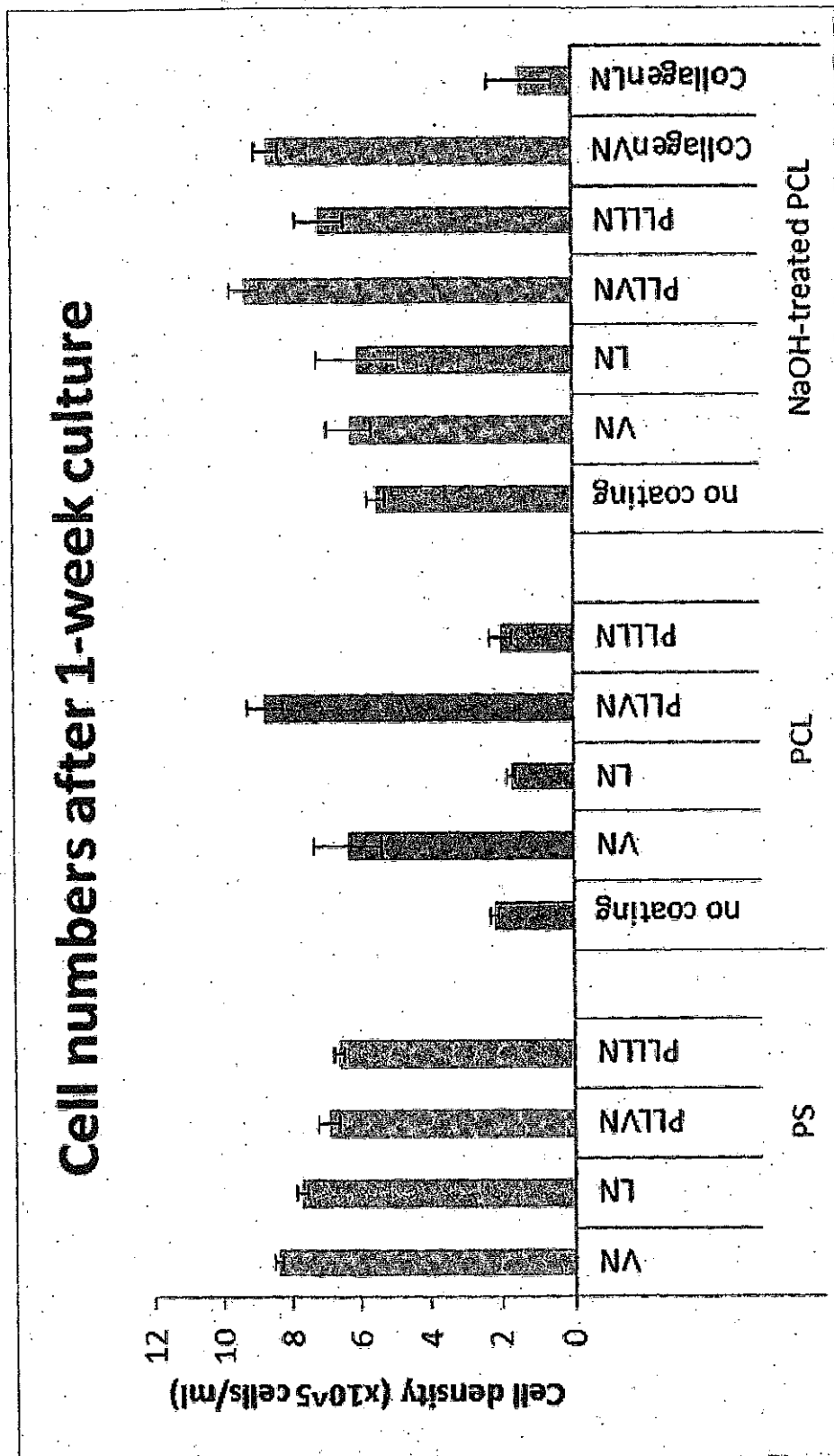


FIGURE 6

7/21

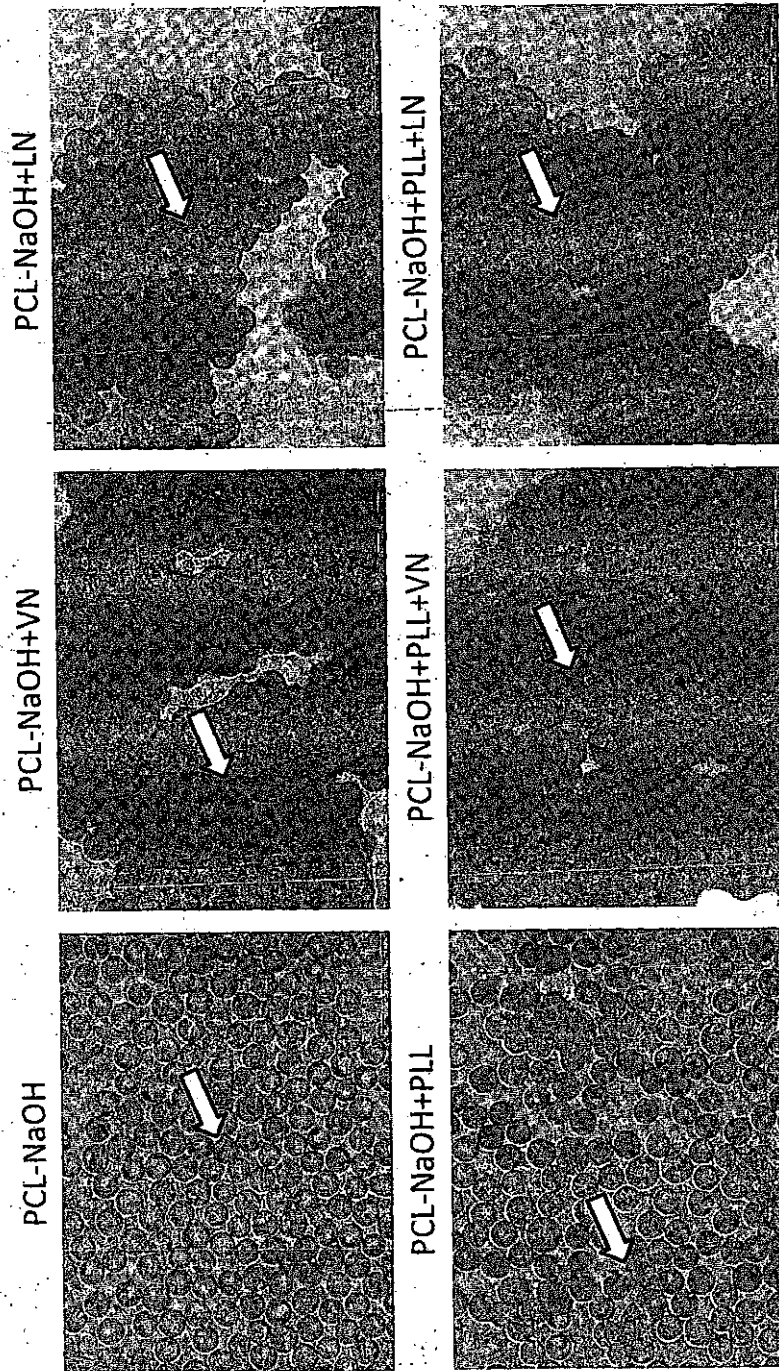


FIGURE 7

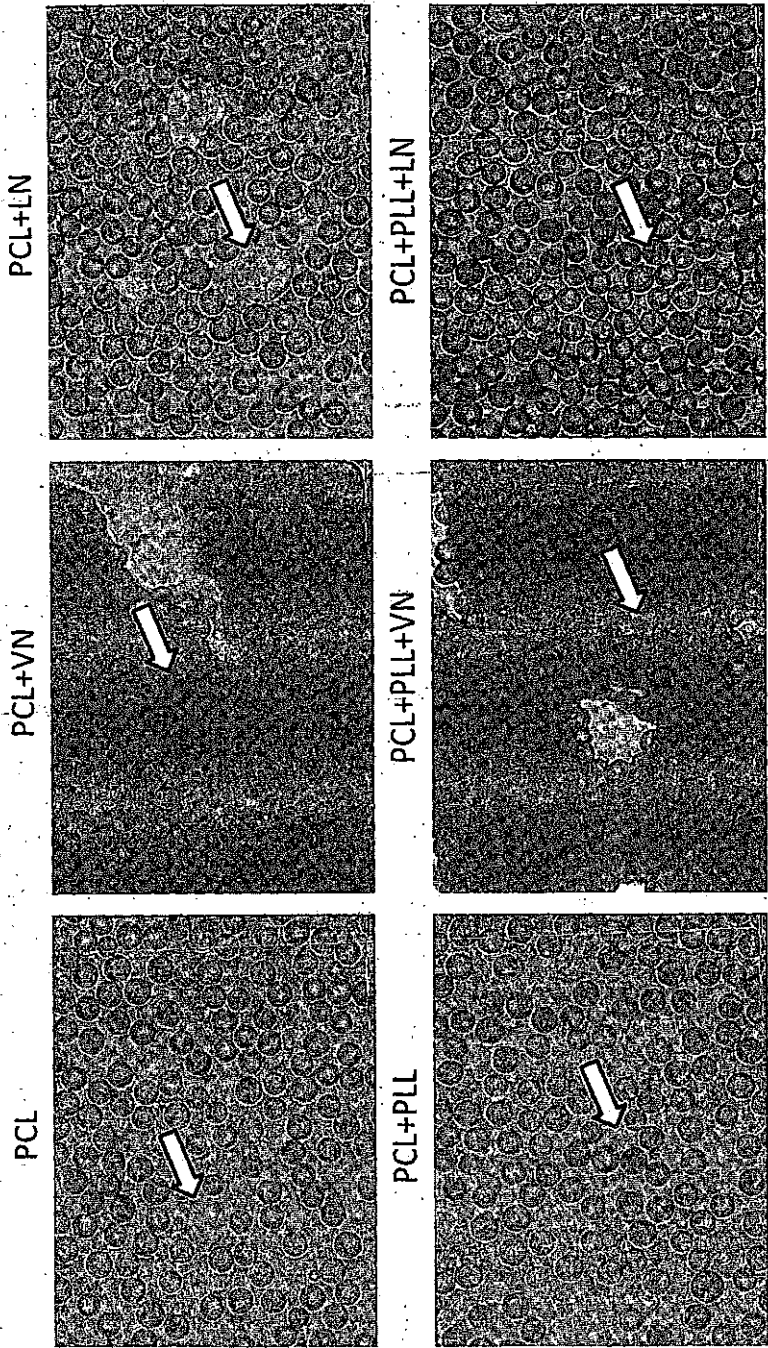


FIGURE 7 (CONT.)

9/21

Microcarriers type	Coatings			
	Collagen	NaOH	Poly-L-Lysine (PLL)	Gelatin (GL)
Cytodex 3 (Positive control)	+	-	-	-
PCL (negative control)	-	-	-	-
PCL + NaOH	-	+	-	-
PCL + NaOH + PLL	-	+	+	-
PCL + NaOH + GL	-	+	-	+
PCL + NaOH + PLL + GL	-	+	+	+
PCL + NaOH + PLL + CL	+	+	+	-

FIGURE 8

10/21

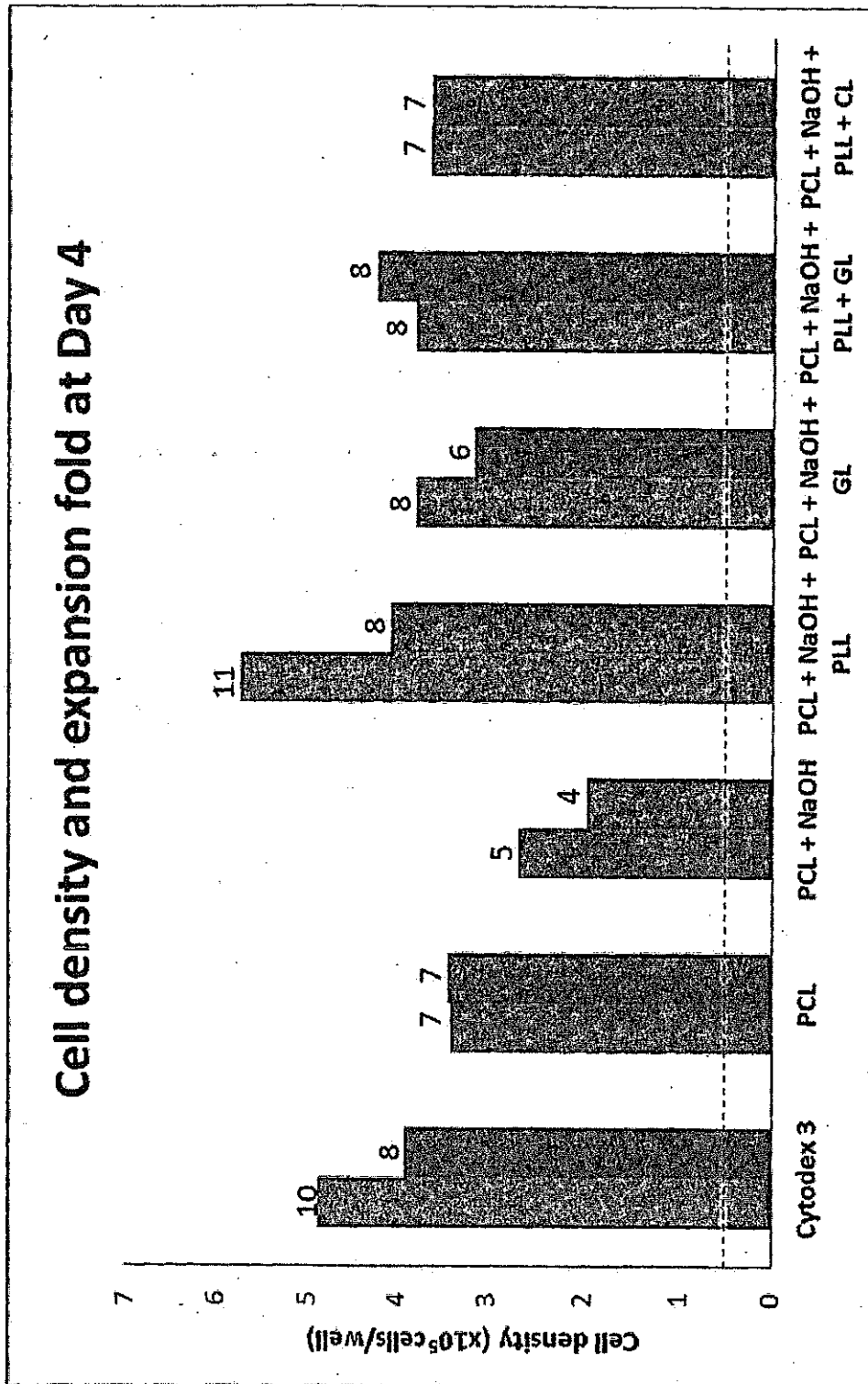


FIGURE 9

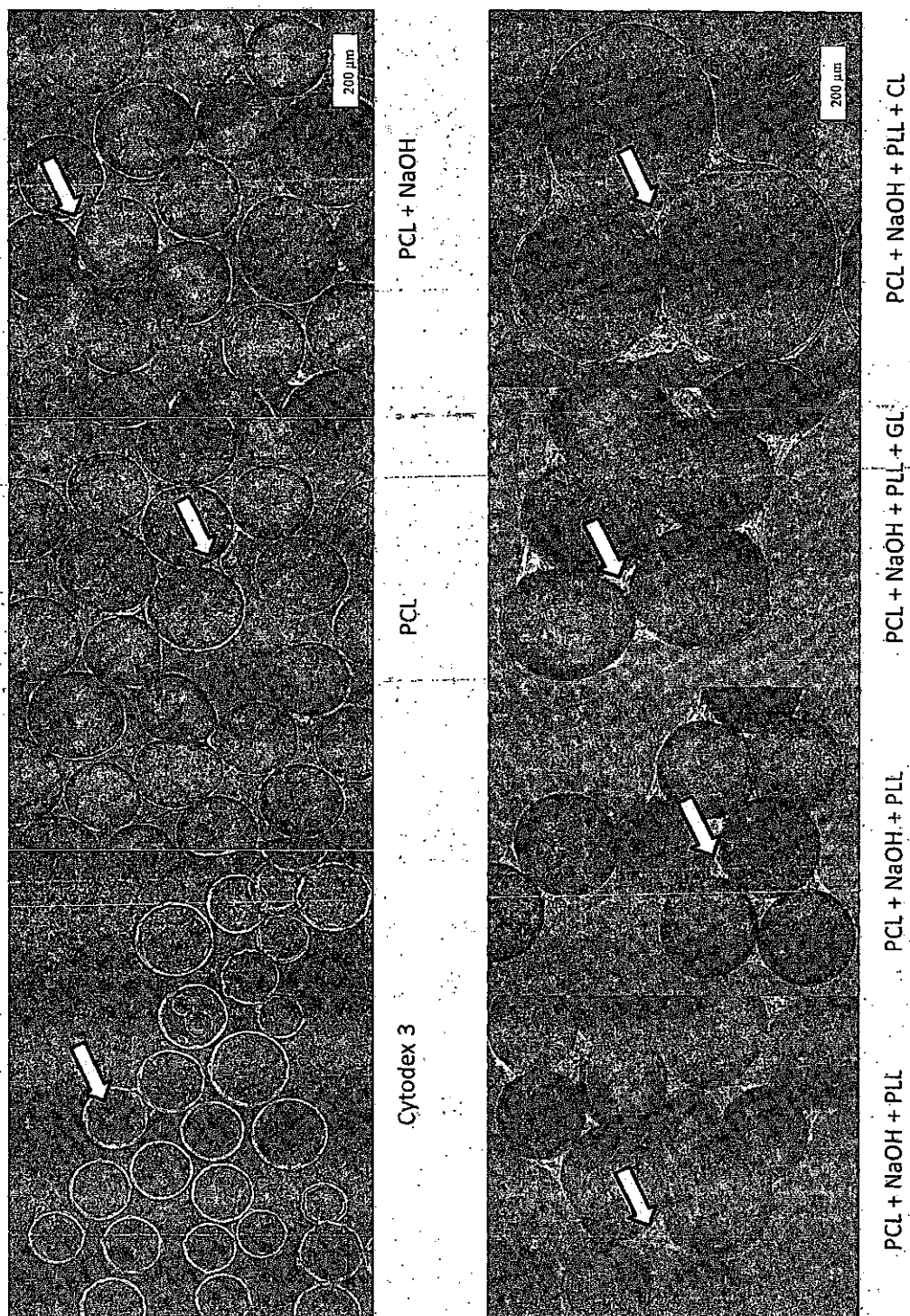


FIGURE 10

12/21

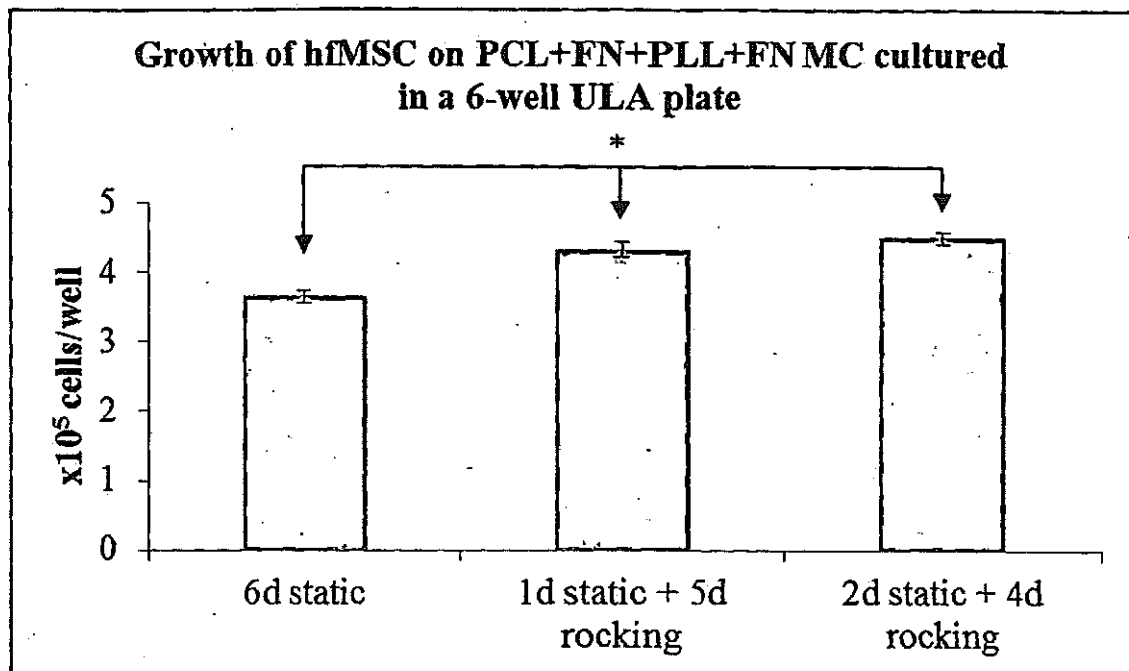


FIGURE 11

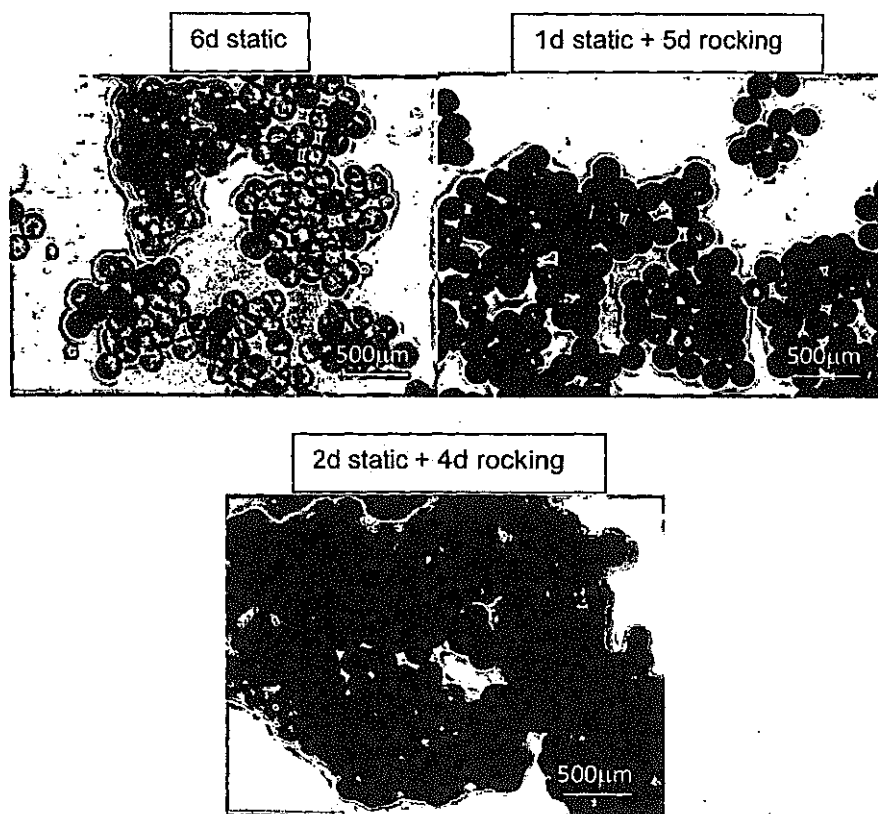


FIGURE 12

13/21

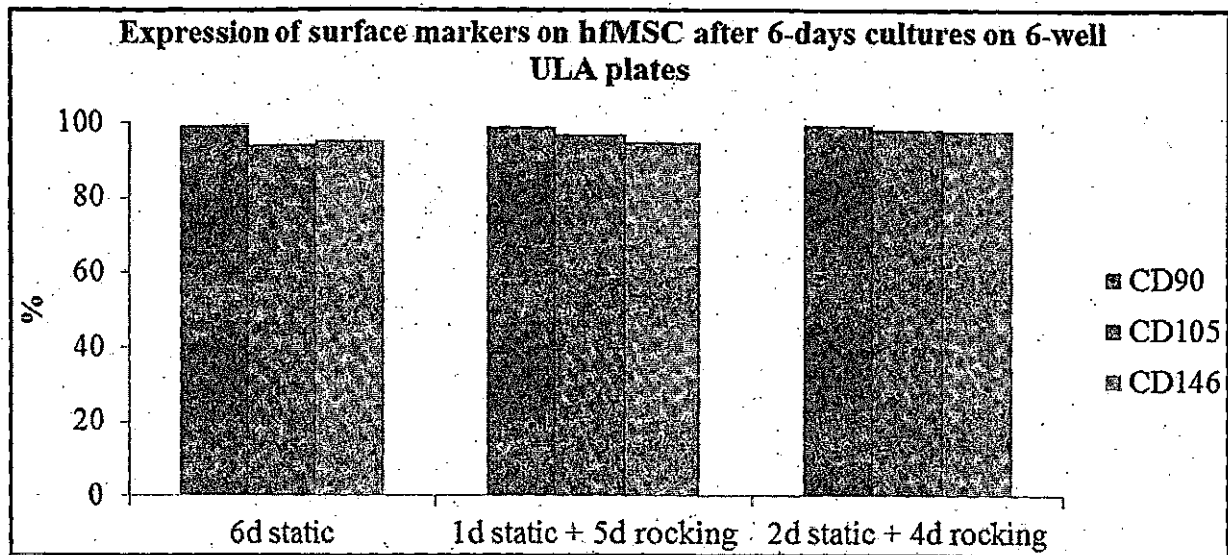


FIGURE 13

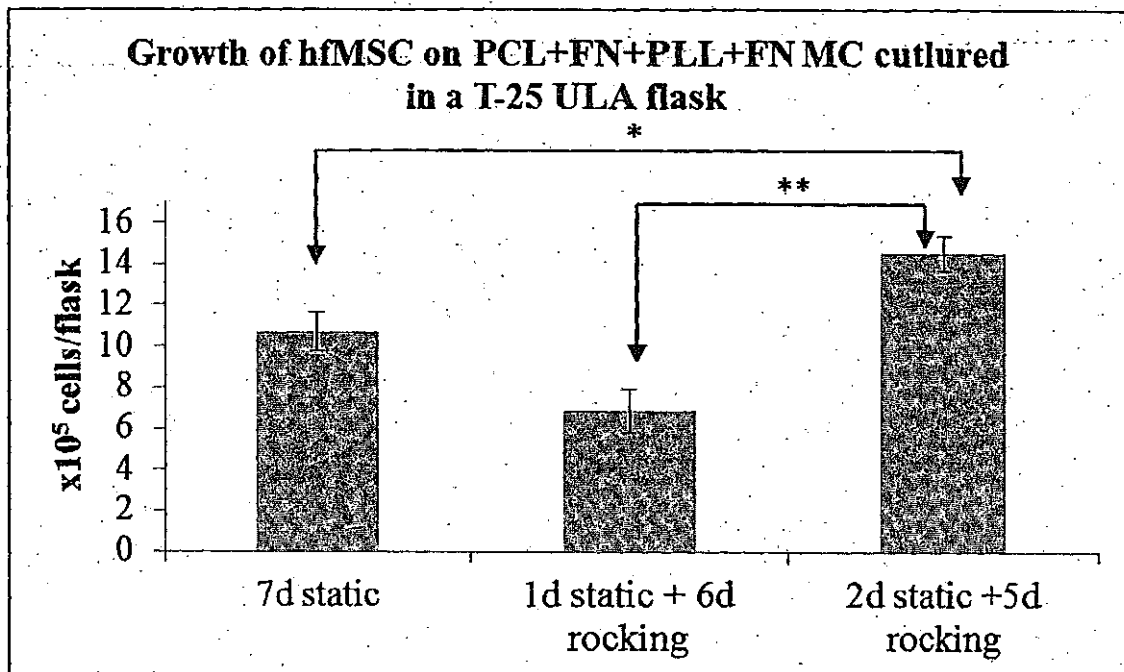


FIGURE 14

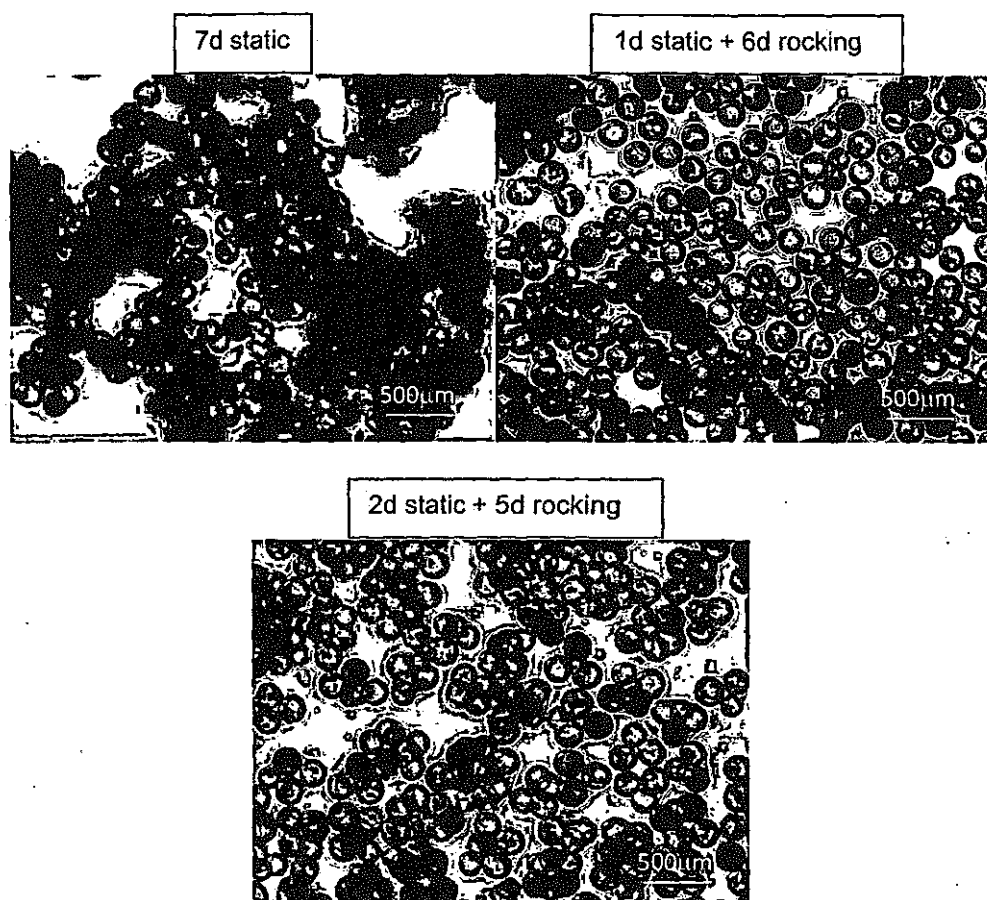


FIGURE 15

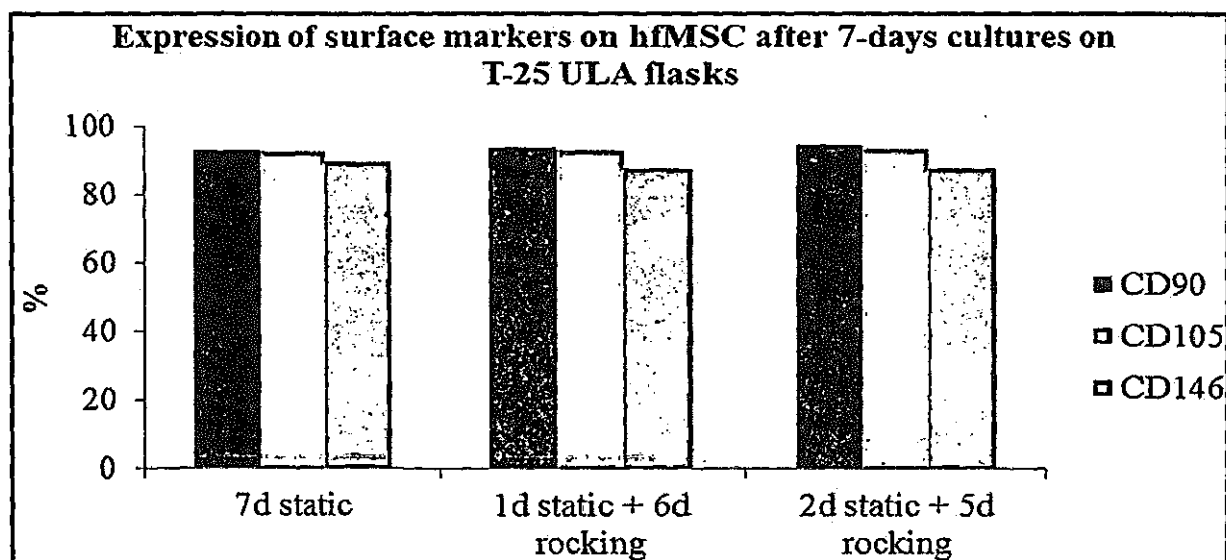


FIGURE 16

15/21

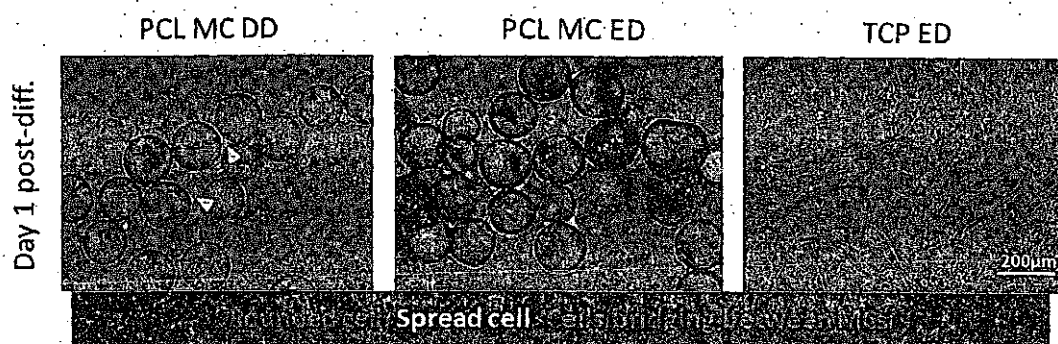


FIGURE 17A

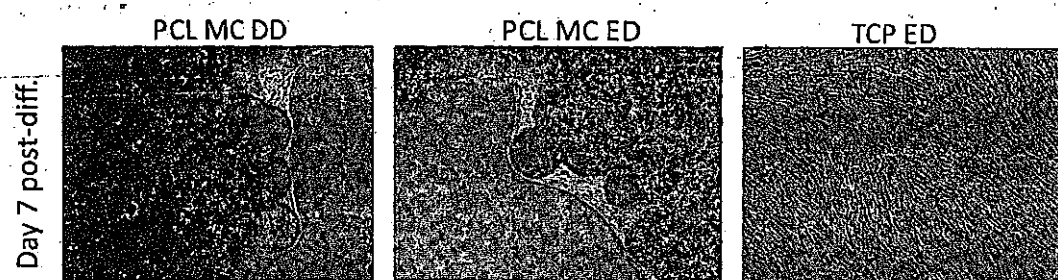


FIGURE 17B

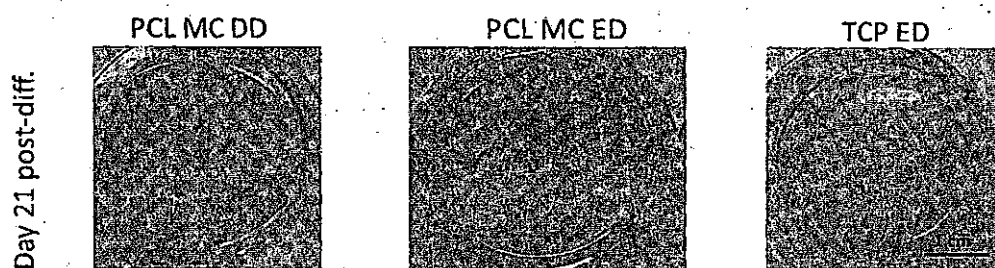


FIGURE 17C

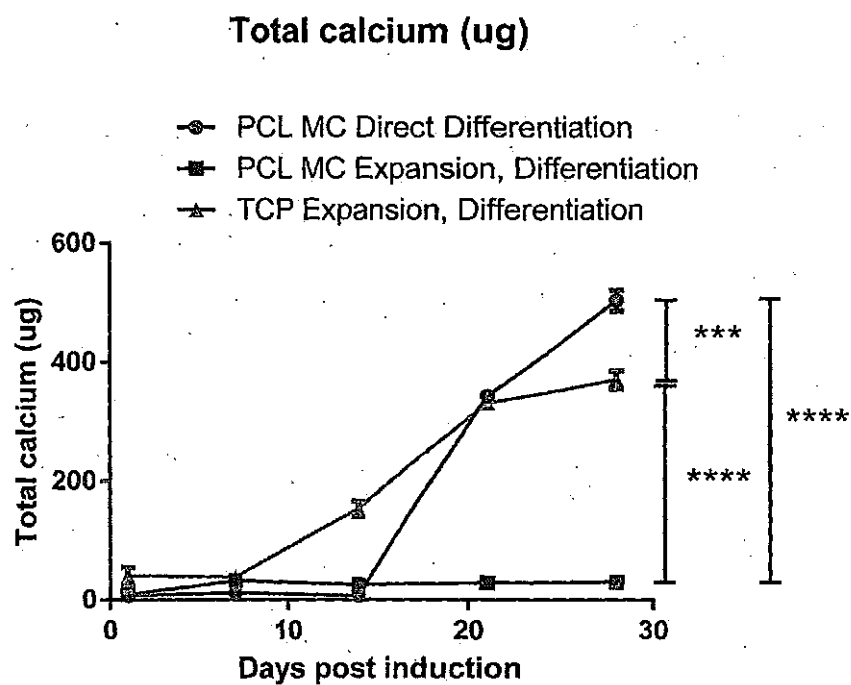


FIGURE 18

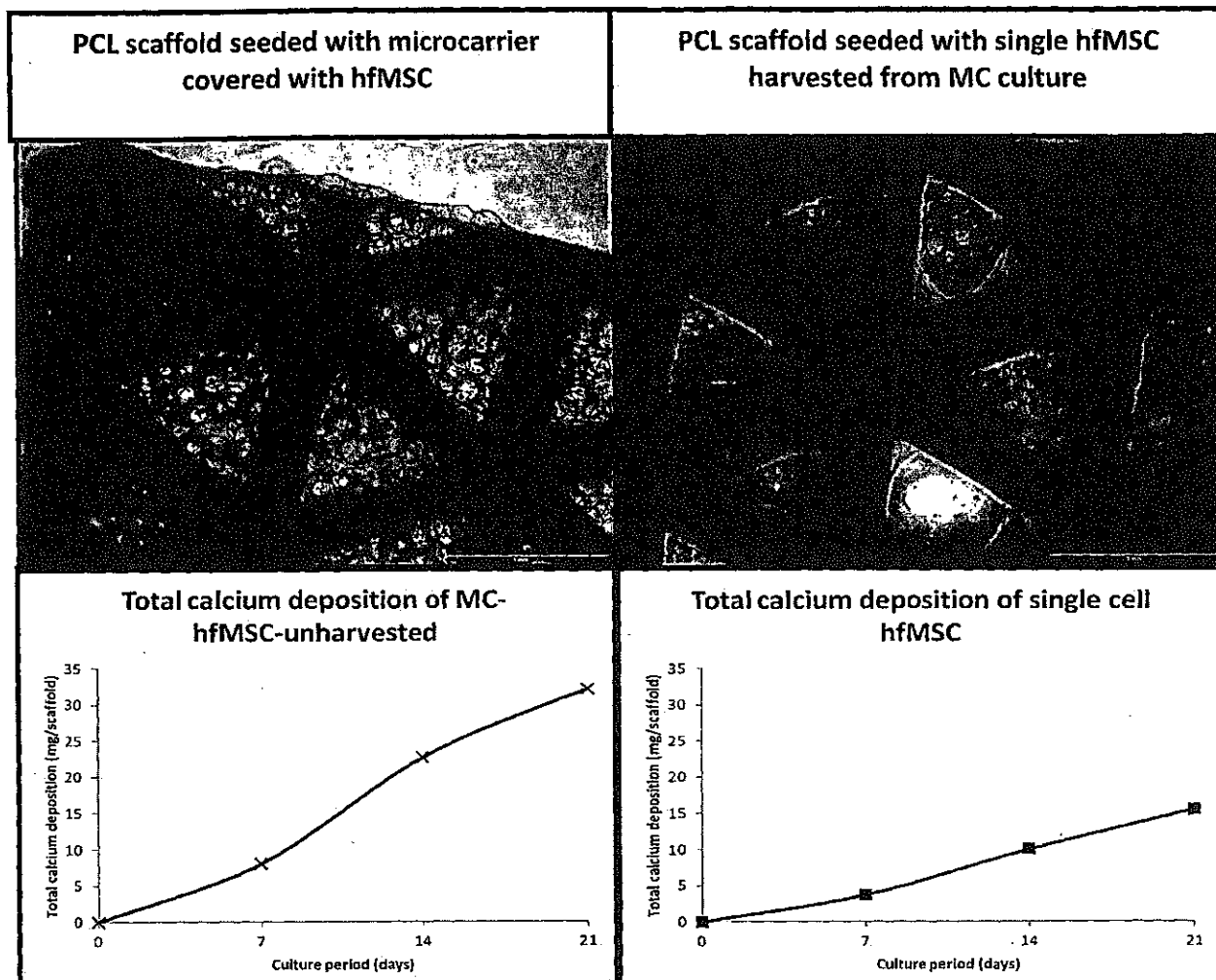


FIGURE 19

18/21

hMSC growth on PCL microcarriers in serum-containing media with constant agitation

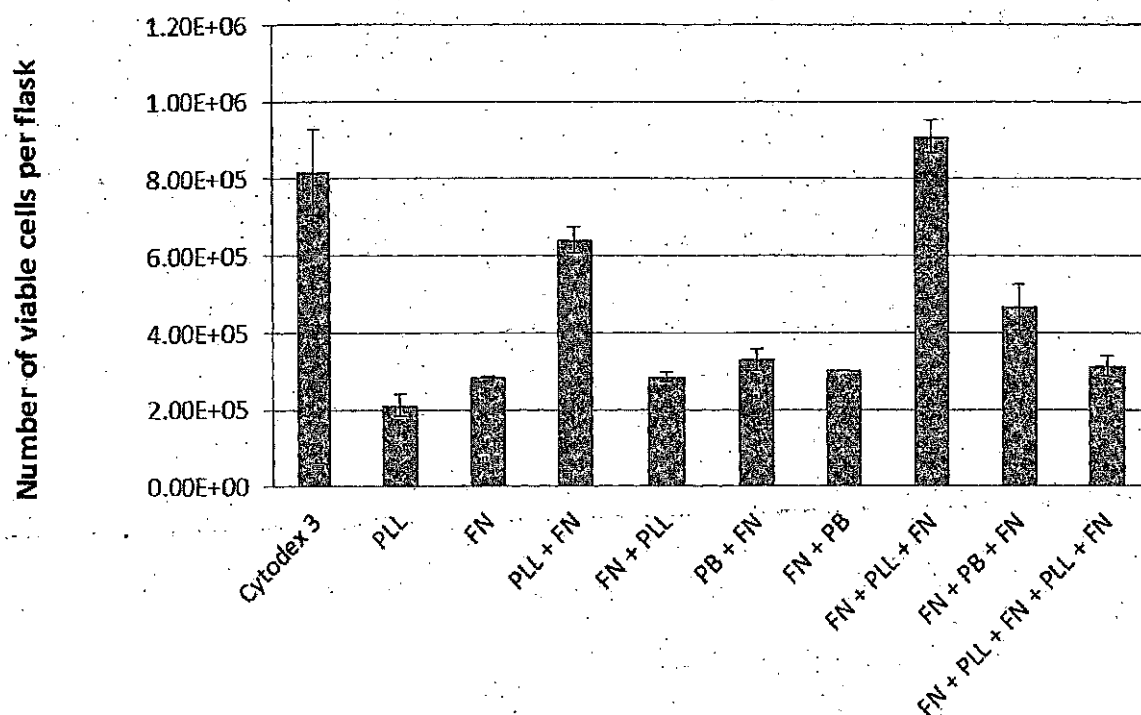


FIGURE 20

Growth of hMSCs on PCL microcarriers with a FN-PLL-FN coating, in rocking agitation culture

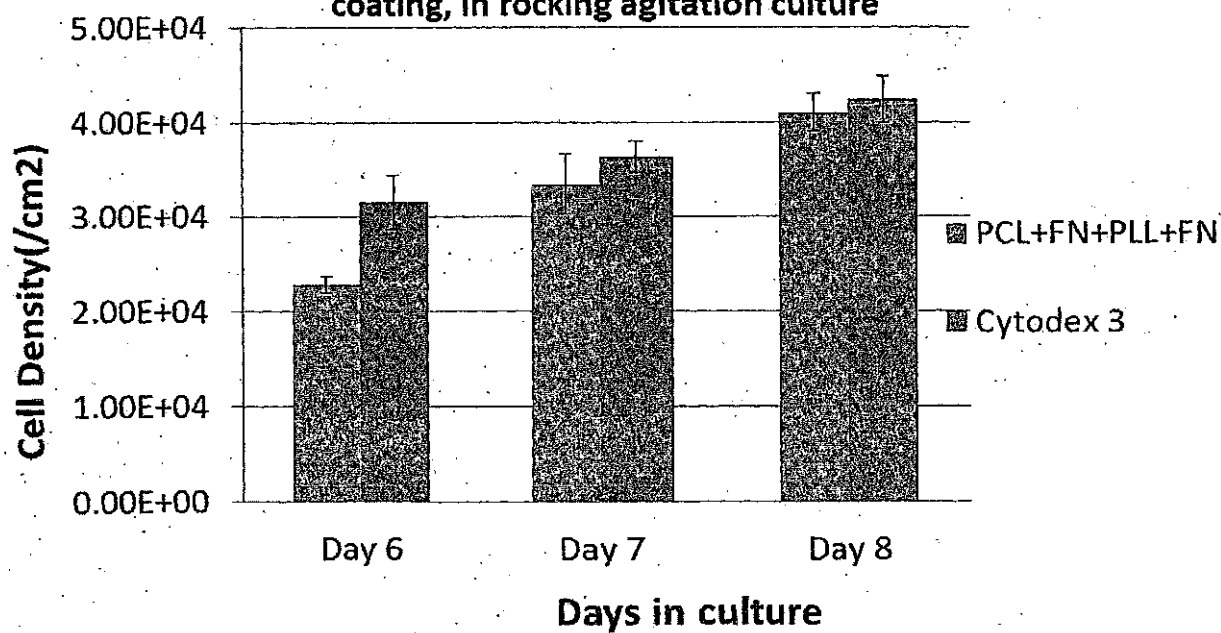


FIGURE 21

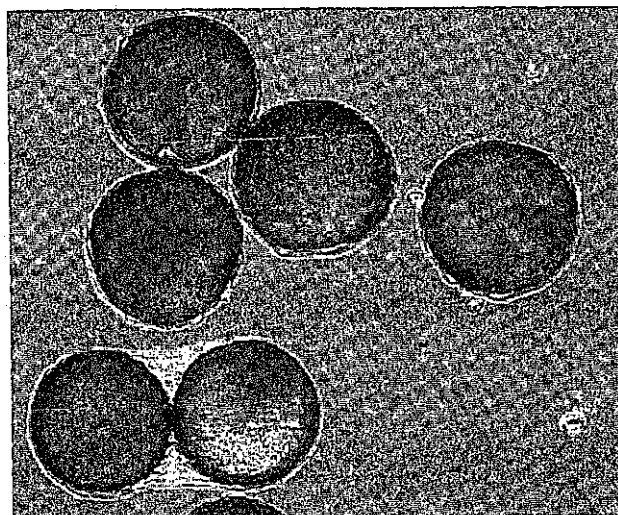


FIGURE 22A

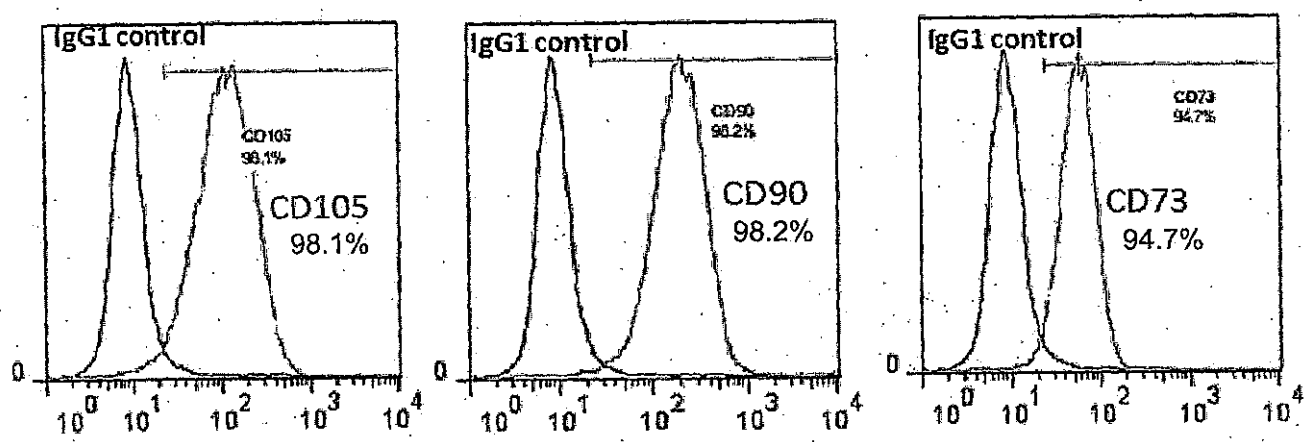


FIGURE 22B

20/21

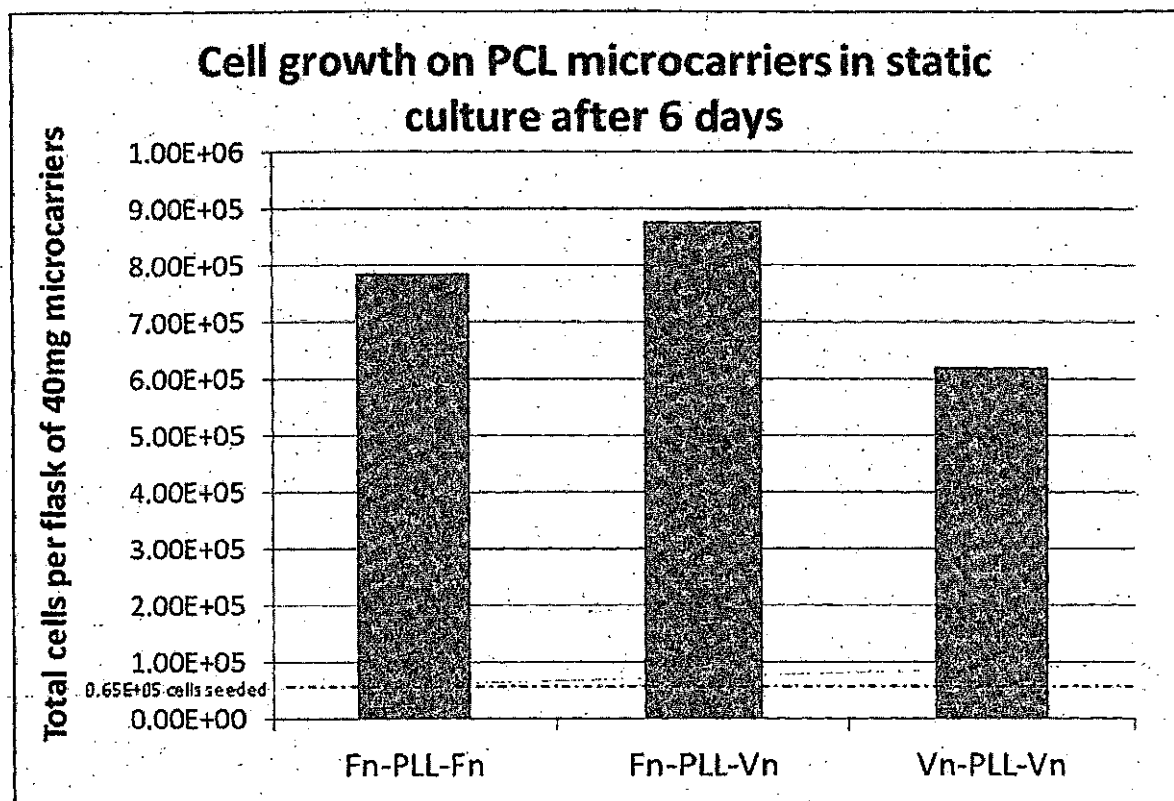


FIGURE 23

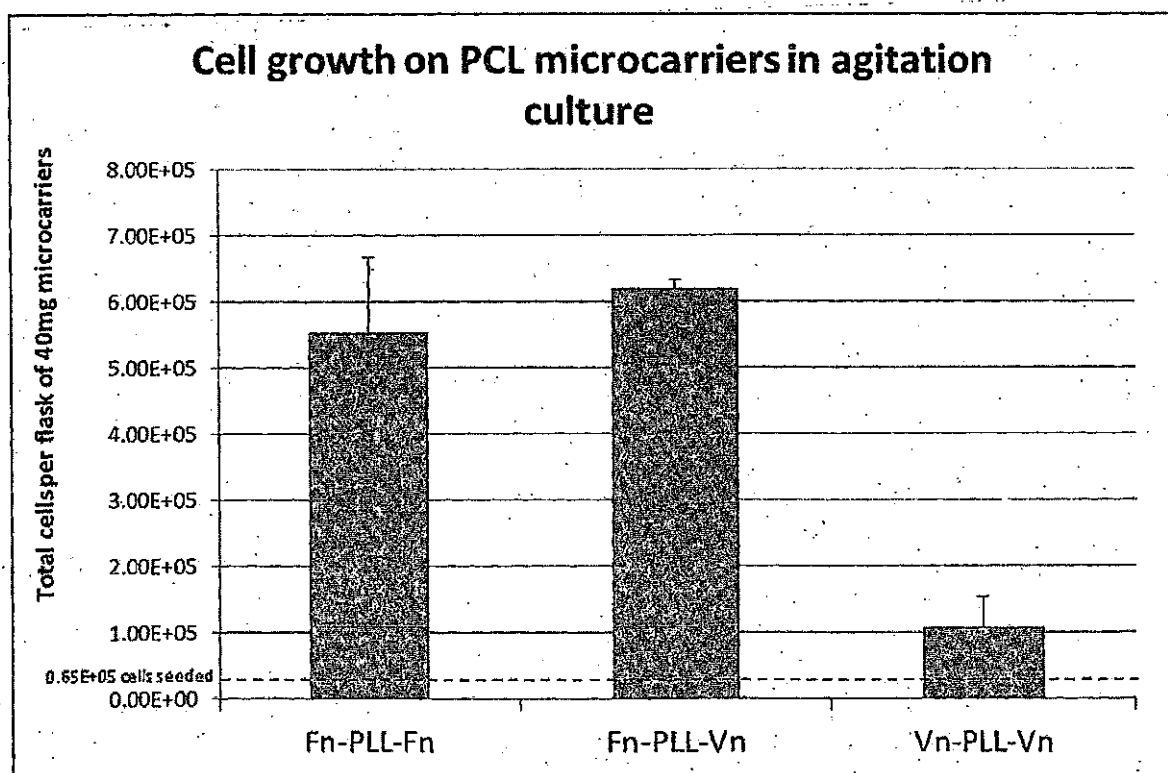


FIGURE 24

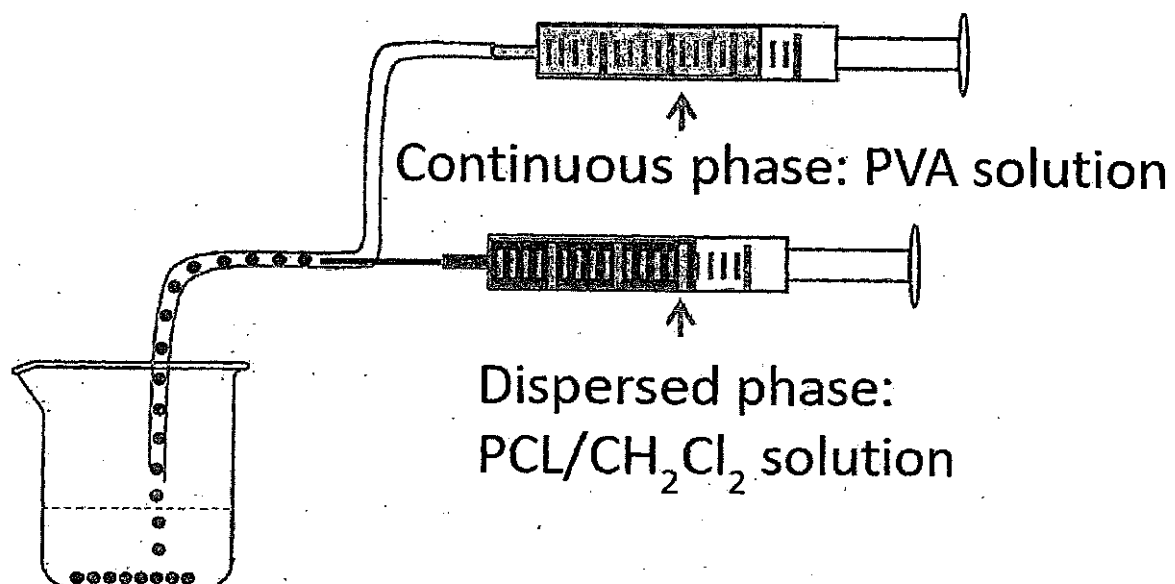


FIGURE 25