

General Study and Gene Expression Profiling of Endotheliocytes Cultivated on Electrospun Materials

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Table S1. RNA quality, sequencing and alignment summary.

Library id	RNA Quality, RIN/RQ N [†]	Total Number of Reads	Uniquely Mapped Reads	Reads Mapping to Multiple Locations	Reads Mapping to Human Genome, %	Uniquely Mapped Reads Vs Total, %	Correlation, r
Contr_1 (TCPS)	7.9/9.9	15474341	13898163	1526499	96.8	89.8	0.974
Contr_2 (TCPS)	7.1/9.5	11572847	10377990	1155328	96.7	89.7	
PCL_1	7.4/7.3	15193394	13266763	1850704	96.1	87.3	0.911
PCL_2	6.9/7.0	13078913	11161978	1854031	96.7	85.3	
PCL-GI_1	7.4/7.0	14795234	12163491	2553152	97.0	82.2	0.941
PCL-GI_2	6.6/7.6	12710767	10613545	2031721	96.9	83.5	
PCL-GI-glu_1	7.8/8.9	13458206	11933017	1477035	96.8	88.7	0.848
PCL-GI-glu_2	6.8/7.6	13031393	11357181	1621520	96.9	87.2	
PLGA_1	7.4/7.0	5812354	4969853	698263	82.9	85.5	0.760
PLGA_2	5.9/6.0	13840171	12154880	1632403	96.9	87.8	

[†] RNA quality was assessed with Advanced Analytical Fragment Analyzer or Agilent Bioanalyzer 2100.

Table S2. Fold change (FC) distribution of common DE genes by expression level.

Common DE Genes	Control	Comparison	RPKM	DE Genes, Up/Down				
				FC				
				1-2	2-3	3-4	4-5	>5
75	TCPS	PCL	0-1		0/13	0/26	0/7	
			Low 1-10	0/1	0/14	0/3	0/1	
			Middle 10-100	4/2	0/2			
			High 100-1000	1/0		1/0		
			Highest > 1000					
		PCL-GI	0-1		0/4	0/24	0/15	0/4
			Low 1-10	0/1	0/10	0/6	0/1	
			Middle 10-100	1/0	3/4			
			High 100-1000		1/0	1/0		
			Highest > 1000					
		PCL-GI-glu	0-1	0/15	0/2			
			Low 1-10	1/43	0/4			
			Middle 10-100	2/4	0/1			
			High 100-1000	2/0	1/0			
			Highest > 1000					
		PLGA	0-1	0/1	0/32	0/13		
			Low 1-10	0/2	0/15	0/2		
			Middle 10-100	3/3	2/1			
			High 100-1000		1/0			
			Highest > 1000					
		PCL	0-1	0/6	0/25	0/9	0/2	
			Low 1-10	2/22	0/15	0/2		
			Middle 10-100	3/7	3/2			
			High 100-1000					
			Highest > 1000	2/0				
100	TCPS	PCL-GI	0-1	0/2	0/18	0/20	0/5	
			Low 1-10	2/20	0/13	0/2		
			Middle 10-100	3/8	3/1			
			High 100-1000	0/1				
			Highest > 1000	2/0				
		PCL-GI-glu	0-1	0/26	0/1			
			Low 1-10	3/51				
			Middle 10-100	5/11	0/1			
			High 100-1000					
			Highest > 1000	2/0				
19	PCL-GI-glu	PCL	0-1					
			Low 1-10	4/5				
			Middle 10-100	5/1				
			High 100-1000	3/1				

		Highest > 1000		
		0-1		
		Low 1-10	4/5	
PCL-GI	Middle 10-100	4/1		1/0
	High 100-1000	3/1		
	Highest > 1000			
