

# Human mesenchymal stromal cell adhesion and expansion on fluoropolymer surfaces modified with oxygen and nitrogen-rich plasma polymers

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## 1. Supporting Information

**Table S1.1.** Root mean square roughness of unmodified, modified, and sterilized FEP films

Sample	Roughness Rq (nm)	
	Before sterilization	After sterilization
FEP	7.9 ± 0.5	12 ± 1
O-rich PPCs	31 ± 8	27 ± 4
N-rich PPCs	10 ± 2	51 ± 10

**Table S1.2.** Percentage of positive cells cultured on different surfaces

Surface Marker expression	Control	FEP (untreated)	O-rich PPCs	N-rich PPCs	TCPS (Nunclon™ Delta)
CD105	99.09 ± 0.71	95.33 ± 3.97	98.65 ± 1.35	96.12 ± 2.33	97.50 ± 1.25
CD73	99.85 ± 0.13	95.53 ± 3.09	94.84 ± 2.53	97.02 ± 2.98	98.93 ± 0.97
CD90	100.0 ± 0.00	100.0 ± 0.00	99.97 ± 0.03	96.90 ± 2.76	100.0 ± 0.0
CD45	0	0	0.11 ± 0.06	0	0
CD34	1.430 ± 2.44	0	0.20 ± 0.20	13.47 ± 6.42	1.40 ± 1.25
CD14	0.040 ± 0.05	4.77 ± 4.77	0	0.27 ± 0.27	0.26 ± 0.26
CD19	0	3.10 ± 1.84	0	0	0
HLA-DR	0.010 ± 0.01	0	0.07 ± 0.07	1.74 ± 1.74	0