

Supplementary Figures

Figure S1: Cultivation of LECs in various culture conditions. Isolated LECs cultured on 5% matrigel, 0.05 mg/ml fibronectin, or a mixture of 5% matrigel + 0.05 mg/ml fibronectin in CnT20 or 10% DMEM for 15 days. Scale bar = 100 μ m.

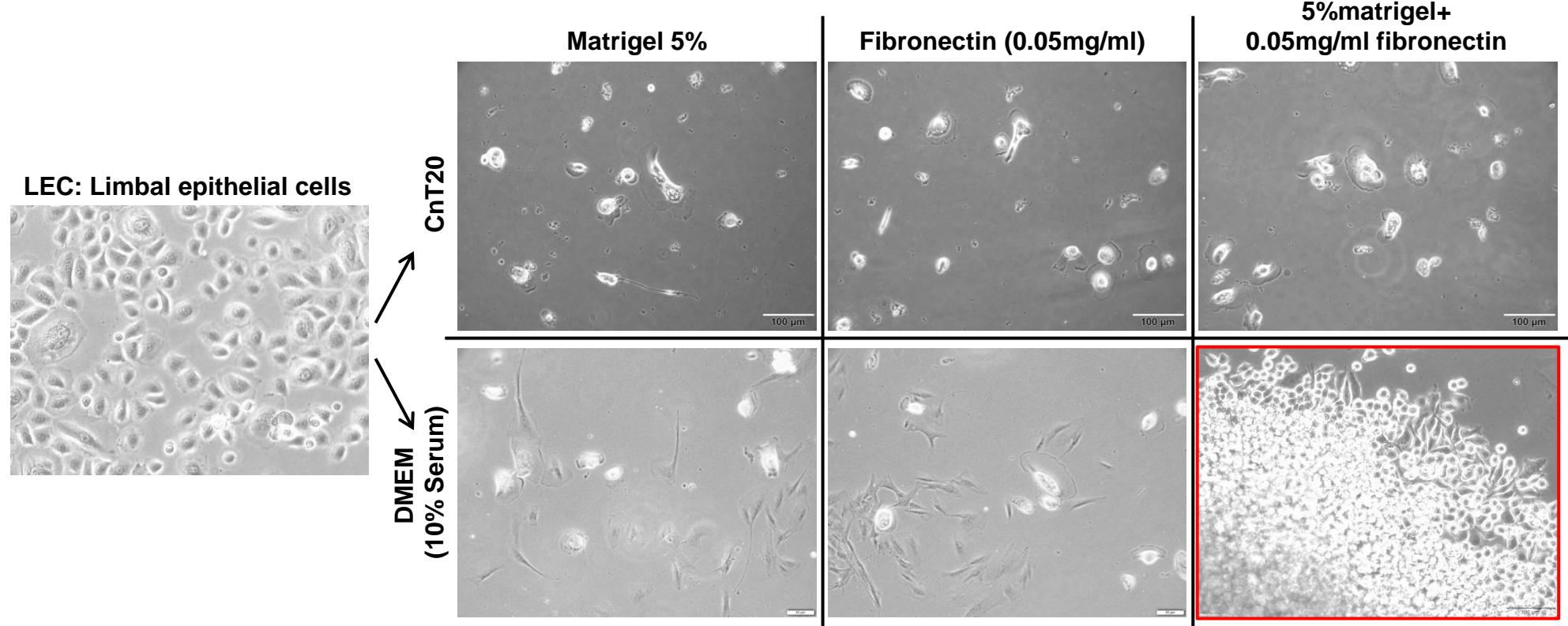
Figure S2: Stem cell marker analysis of ABCG2+/ABCB5+ LESCs. Total mRNA was isolated from ABCG2+/ABCB5+ LESCs cultured in 10% DMEM, CnT20, or CnT30 and gene expression was assessed by RT-PCR. ** p < 0.01 vs DMEM.

Figure S3: Colony formation analysis of ABCG2+/ABCB5+ LESCs. ABCG2+/ABCB5+ LESCs were seeded and cultured for 8 days. Colony formation was monitored by staining with antibodies to ABCG2 and P63 α . Scale bar = 500 μ m and 200 μ m.

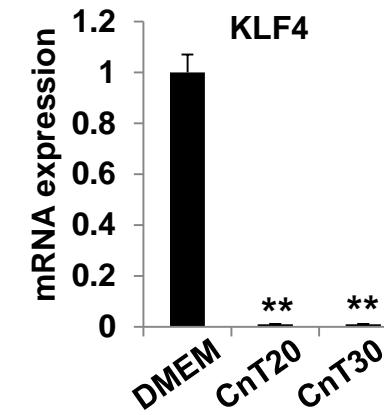
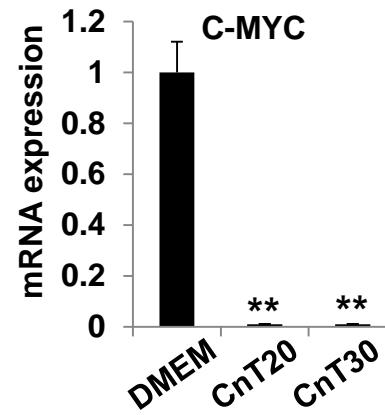
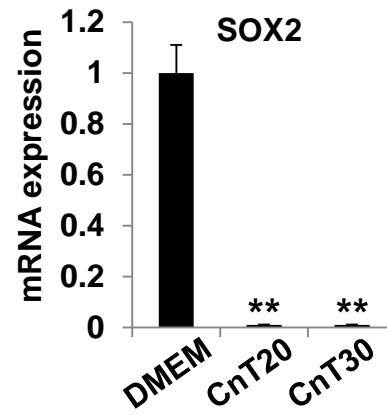
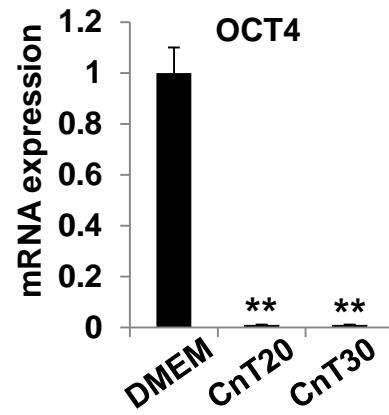
Supplementary Table S1

p63 α	(sense)- accatcagaagatggcgaa	OCT4	(sense)- aagcgatcaaggcgcgacta
	(antisense)- ccaggttcgtgtactgtggc		(antisense)- gaagtgagggtcccatagc
ABCG2	(sense)- ttggctgtcatggcttcagt	SOX2	(sense)- gaccagctcgacgttaca
	(antisense)- ctgttgattgagtcctggg		(antisense)- gaagaggttaaccacaggggg
CK3	(sense)- gggcgaggagttacaggatgt	NANOG	(sense)- cagaaaaacaactggccgaa
	(antisense)- gccgtaacctccatagc		(antisense)- ggtctggttgtccacattg
CK19	(sense)- acacactggcagaaacggag	C-MYC	(sense)- agcaacaaccgaaaatgcac
	(antisense)- gacttgatgtccatgagccg		(antisense)- ccgttttagctcggtcc
Integrin α 9	(sense)- atgggaacccagaagaggta	KLF4	(sense)- taccaagagctcatgccacc
	(antisense)- cagcagcaggaagatgagga		(antisense)- ctttgttaggtttgccgc
CK12	(sense)- ggagattgagacccatccgccc	GAPDH	(sense)- atgggaaggtaaggctcg
	(antisense)- attttcgggtttgggtgg		(antisense)- ggggtcattgtggcaacaata

Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3

