

	Day 9 ECD (cells/mm²)	Cell area (μm²)	Hexagonality (%)	Polymorphism (%)	Ki-67 positive cells (%)
C-A	2050 (±132.29) [1900-2150]	421.1 (±383.3) [159-892]	68.4(±2.70) [65-72]	16.6(±3.13) [12-20]	17.55 (±3.12) [13.5-20.8]
C-B	2050 (±180.27) [1850-2200]	383.3 (±211.5) [152-931]	67.0(±5.15) [61-72]	17.4(±4.39) [13-23]	17.58 (±2.47) [15.2-21.8]
C-C	2141 (±49.16) [2100-2200]	360.8 (±200.4) [154-828]	67.4(±4.45) [62-73]	17.0(±3.67) [12-20]	17.23 (±3.34) [12.1-20.9]
C-D	2175 (±147.48) [2150-2300]	407.6 (±207.1) [167-784]	66.8(±3.96) [62-72]	17.6(±4.56) [13-23]	17.93 (±3.07) [13.4-21.0]
pValue	0.5473	0.8312	0.8818	0.9630	0.9645

Table 2: End-stage analysis of cultured human donor corneal endothelial cells including number of cells, cell area, hexagonality, polymorphism and number of proliferative cells in each studied condition as below.

C-A: Condition A - CS (Optisol GS – Bausch & Lomb, USA) for 7 days at 4°C

C-B: Condition B - OC (Cornea Max – Eurobio, France) for 7 days at 31°C

C-C: Condition C - OC for 28 days at 31°C

C-D: Condition D - CS for 7 days at 4°C followed by OC for 28 days at 31°C

(CS=Cold Storage and OC=Organ Culture)

The results are indicated as Mean (SD) [Range]