

## Efficient isolation and functional characterisation of niche cells from human corneal limbus

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Supplementary Table S1: Organ cultured corneal scleral tissues used in this study.

S.no.	Age (Years)	Post mortem time (h)	Duration of cultivation (days)
1	78	12.5	27
2	63	42.1	28
3	68	17.9	28
4	68	17.9	30
5	59	30.1	27
6	80	39.5	27
7	71	64.3	20
8	71	64.3	22
9	67	27.4	19
10	67	27.4	22
11	74	23.5	26
12	75	38.3	20
13	78	60.3	23
14	78	60.3	23
15	74	32.1	23
16	74	32.1	20
17	68	28.5	21
18	84	20.2	26
19	58	58.4	23
20	58	58.4	21
21	55	30.1	29
22	60	24.1	15
23	60	24.1	20
24	65	23.3	19
25	65	23.3	19
26	72	11.0	18
27	72	11.0	27
28	55	26.5	25
29	88	15.2	19
30	88	15.2	24
31	83	65.4	23
32	83	65.4	21
33	56	41.5	23
34	56	41.5	21
35	86	64.0	29
36	82	16.4	21
37	64	30.4	25
38	74	63.3	23
39	75	18.0	21
40	83	14.5	27
41	83	14.5	25
42	56	26.4	26
43	56	26.4	19

44	54	68.2	21
45	54	68.2	21
46	84	19.4	23
47	84	19.4	21
48	64	28.0	22
49	64	28.0	27
50	59	33.2	28
51	59	33.2	28
52	72	27.3	26
53	71	47.3	25
54	79	26.4	26
55	79	26.4	24
56	71	29.0	2
57	71	29.0	23
58	63	26.1	28
59	63	26.1	28
60	87	18.3	29
61	80	68.3	28
62	80	68.3	26
63	72	36.0	24
64	72	36.0	26
65	64	22.3	26
66	64	22.3	24
67	67	42.3	28
68	67	42.3	30
69	70	47.3	22
70	70	47.3	27
71	74	19.0	25
72	74	19.0	25
73	70	35.5	26
74	74	18.1	27
75	74	18.1	1
76	53	45.5	28
77	61	59.4	28
78	67	11.3	26
79	67	11.3	26
80	85	42.1	1
81	76	24.4	29
82	48	18.3	24
83	79	21.0	21
84	80	69.3	22
85	70	15.1	21
86	70	15.1	28
87	84	65.4	27
88	84	65.4	25
89	78	24.1	25
90	78	24.1	25
91	68	25.3	24
92	68	25.3	26
93	89	24.4	24
94	31	69.1	23
95	68	44.4	26
96	63	41.0	26
97	77	41.1	21

98	63	36.1	28
99	54	43.2	28
100	54	43.2	28
101	77	43.2	25
102	71	11.5	25
103	65	46.7	23
104	87	37.1	32
105	77	15.2	31
106	60	44.3	30
107	82	5.4	26
108	58	13.4	28
109	62	7.5	25
110	62	7.5	27
111	50	62.2	24
112	50	62.2	23
113	86	13.1	21
114	86	13.1	28
115	69	45.4	21

**Supplementary Table S2.** List of antibodies used.

<b>Antibody (clone), Host species</b>	<b>Antibody dilution</b>	<b>Application</b>	<b>Antibody source</b>
Aggrecan, goat	10 µg/mL	Immunocytochemistry	R&D systems
Cadherin-E (24E10), rabbit	1:200	Immunohistochemistry	Cell signaling
Cadherin-P (A-10), Mouse	1:100	Immunohistochemistry	Santa Cruz Biotechnology, INC.
CD11c, PE(3.9), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD14 PE(M5E2), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD19 PE(H1B19), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD44 PE(IM7), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD45 PE(H130), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD73 PE(AD2), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD90 PE(5E10), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD90 APC(5E10), Mouse	5 µl/10 <sup>6</sup> cells 1:400	Flow cytometry Immunohist/cytochemistry	BD Biosciences
CD105 PE(43A3), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	BioLegend
CD117 PE (A3C6E2), Mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	Miltenyi Biotec
Cytokeratin pan (PCK-26), mouse	1:500	Immunohistochemistry	Abcam
Cytokeratin 3/76 (AE5), mouse	1:100	Immunohisto/cytochemistry	Millipore
Cytokeratin 12 (EPR17882), rabbit	1:50	Immunohistochemistry	Abcam
Cytokeratin 14 (LL002) Mouse	1:500	Immunohisto/cytochemistry	Abcam
Cytokeratin 15 (LHK15), mouse	1:500	Immunohistochemistry	Abcam

Cytokeratin 15 (EPR1614Y), rabbit	1:500	Immunohistochemistry	Abcam
Cytokeratin 17/19 (D4G2), rabbit	1:200	Immunohisto/cytochemistry	Cell signaling
FABP4, goat	10 µg/mL	Immunocytochemistry	R&D systems
HMB-45 (HMB45), mouse	0.5 µg/ml	Immunocytochemistry	Abcam
IgG2a, k, Isotype PE (MOPC-173), mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	Biologend
IgG3, k Isotype FITC (MG3-35), mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	Biologend
IgG2a, k Isotype APC (eBM2a), mouse	5 µl/10 <sup>6</sup> cells	Flow cytometry	Invitrogen
Ki-67 (EPR3610), rabbit	1:500	Immunohistochemistry	Abcam
Osteocalcin, mouse	10 µg/mL	Immunocytochemistry	R&D systems
Melan A, (EPR20380), rabbit	1:1000	Immunohisto/cytochemistry	Abcam
Melan A, (788), mouse	0.5 µg/mL	Immunohisto/cytochemistry	Novusbio
p63 (Y289), rabbit	1:200	Immunohistochemistry	Abcam
Sox10 (EPR4007)	1:500	Immunocytochemistry	Abcam
TRP1 (EPR21960)	1:1000	Immunocytochemistry	Abcam
Vimentin, (D21H3), rabbit	1:500	Immunohistochemistry	Cell Signaling
Vimentin (280618), rat	8 µg/mL	Immunohisto/cytochemistry	R&D systems