

Supplemental Table 1: Coefficient of Variation (CoV) of cone density measured in 3 different sampling methods in 9 subjects imaged on 3 separate occasions. Coefficient of variation is displayed in the parafoveal region (2.0°-2.5° eccentric from the foveal center) in A and perifoveal region (5.5°-6° eccentric from the foveal center) in B.

**A: Coefficient of variation of measurements of cone density in the region between 2.0° and 2.5°**

	Meridian				Arcuate				Peak			
	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior
<b>Subject 1</b>	4.93%	3.03%	1.98%	3.29%	4.16%	0.94%	3.29%	4.35%	5.60%	2.80%	1.56%	5.76%
<b>Subject 2</b>	5.82%	15.75%	3.62%	5.52%	3.51%	5.26%	5.33%	1.45%	7.66%	5.61%	10.51%	5.84%
<b>Subject 3</b>	9.85%	2.75%	10.24%	3.18%	3.98%	2.81%	1.33%	4.40%	5.68%	2.39%	1.48%	3.54%
<b>Subject 4</b>	5.59%	6.55%	9.56%	4.94%	1.50%	1.01%	5.41%	2.94%	3.48%	3.23%	6.97%	2.17%
<b>Subject 5</b>	5.06%	8.95%	9.15%	12.37%	4.16%	1.97%	1.91%	1.15%	6.52%	2.04%	3.79%	1.64%
<b>Subject 6</b>	7.18%	9.04%	8.03%	0.32%	2.74%	3.52%	2.88%	2.87%	6.56%	4.15%	1.56%	4.44%
<b>Subject 7</b>	11.32%	7.53%	13.86%	11.29%	6.14%	1.30%	2.17%	6.83%	8.49%	1.96%	2.29%	9.36%
<b>Subject 8</b>	5.40%	4.03%	16.45%	12.08%	7.70%	4.49%	3.30%	3.61%	3.63%	2.81%	1.79%	7.71%
<b>Subject 9</b>	24.66%	4.85%	9.86%	0.24%	2.73%	2.50%	12.26%	0.70%	4.29%	1.98%	9.99%	1.64%

**B: Coefficient of variation of measurements of cone density in the region between 5.5° and 6.0°**

	Meridian				Arcuate				Peak			
	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior
<b>Subject 1</b>	3.96%	5.97%	3.88%	19.19%	0.64%	0.73%	0.55%	0.81%	1.92%	3.70%	3.11%	1.73%
<b>Subject 2</b>	9.55%	8.12%	8.81%	25.87%	3.73%	1.54%	4.33%	0.72%	3.29%	3.58%	3.99%	2.54%
<b>Subject 3</b>	6.70%	17.06%	22.13%	7.36%	2.30%	2.97%	4.22%	3.32%	4.52%	4.36%	1.47%	6.82%
<b>Subject 4</b>	3.27%	15.53%	5.62%	10.81%	1.57%	1.49%	1.44%	1.60%	0.61%	1.15%	0.11%	1.43%
<b>Subject 5</b>	0.97%	9.50%	5.24%	16.80%	0.68%	1.45%	0.89%	2.14%	3.74%	2.62%	3.74%	4.29%
<b>Subject 6</b>	2.27%	3.48%	4.75%	14.21%	1.13%	1.34%	0.17%	1.22%	2.15%	1.90%	3.20%	1.99%
<b>Subject 7</b>	4.15%	14.04%	6.33%	7.91%	4.12%	2.39%	1.33%	6.19%	2.89%	6.55%	1.71%	10.82%
<b>Subject 8</b>	3.40%	7.22%	22.77%	20.48%	2.76%	1.70%	1.31%	1.61%	4.53%	3.00%	2.65%	3.77%
<b>Subject 9</b>	6.41%	4.00%	7.79%	6.82%	1.10%	0.83%	0.58%	1.86%	0.70%	4.58%	3.89%	4.94%

Supplemental Table 2: Repeatability coefficient of cone density measurements using each method of sampling as expressed in cone density and percent of average cone density. 95% of subjects will have differences between two independently obtained measurements no bigger in magnitude than the repeatability coefficient. Values are based on 3 separate measurements of 9 individuals between the ages of 19 and 59.

	Meridian				Arcuate				Peak			
	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior	nasal	superior	temporal	inferior
<b>2.0°-2.5°</b>	5708	4557	5397	3713	2385	1610	2786	1856	4385	2338	4178	3450
%	26%	21%	26%	18%	11%	8%	13%	10%	17%	9%	15%	13%
<b>2.5°-3.0°</b>	5329	4393	5283	5370	1882	850	1853	1335	3622	2140	3368	3441
%	24%	22%	25%	29%	10%	5%	9%	8%	14%	9%	13%	15%
<b>3.0°-3.5°</b>	4673	3786	4636	3737	1377	589	1470	1066	2334	1134	2346	2895
%	23%	21%	23%	24%	8%	4%	8%	7%	10%	5%	10%	14%
<b>3.5°-4.0°</b>	3336	3940	4149	2727	1117	702	928	871	2201	1531	1999	2829
%	18%	23%	23%	18%	7%	4%	5%	6%	10%	8%	9%	15%
<b>4.0°-4.5°</b>	2748	4653	3694	4299	1107	656	771	880	2253	1867	1693	2421
%	15%	29%	21%	30%	7%	4%	5%	6%	11%	10%	8%	13%
<b>4.5°-5.0°</b>	4219	4030	3342	3126	1015	712	948	1070	1918	2545	2361	2233
%	24%	27%	20%	22%	6%	5%	6%	8%	10%	13%	12%	12%
<b>5.0°-5.5°</b>	2967	3947	3676	4902	803	493	796	990	1231	2064	1901	2566
%	18%	25%	22%	35%	5%	3%	5%	7%	6%	11%	10%	14%
<b>5.5°-6.0°</b>	2213	4165	4686	5620	972	692	944	1107	1653	1944	1508	2818
%	14%	29%	31%	41%	7%	5%	6%	8%	9%	11%	8%	16%