

Supplemental Table 1. Concentrations of 40 growth factors in aqueous humor of high myopic eyes and controls in the primary screening.

Cytokines (pg/ml)	High myopia	Control	P-value	Min.	Max.
GDF-15	170.90	79.00	0.03	1.7	4,000
HGF	336.46	143.47	0.03	7.1	8,000
PDGF-AA	143.45	76.00	0.03	7.9	20,000
VEGF	23.13	69.90	0.03	11.1	20,000
BMP-5	<i>140.74</i>	<i>20.10</i>	0.03	307.6	200,000
BMP-7	<i>57.90</i>	<i>31.63</i>	0.03	73.8	80,000
HB-EGF	<i>1.36</i>	<i>0.73</i>	0.05	8.3	20,000
NT-3	<i>28.70</i>	<i>17.13</i>	0.10	40.5	80,000
IGFBP-1	106.02	38.37	0.10	9.4	10,000
IGFBP-2	11636.48	9045.03	0.10	135.7	40,000
IGFBP-6	11419.16	8267.17	0.10	104.0	200,000
b-NGF	<i>0.32</i>	<i>0.20</i>	0.16	6.0	20,000
FGF-4	298.16	248.77	0.18	175.8	200,000
IGFBP-3	1231.70	812.50	0.18	392.1	400,000
MCF R	651.84	467.50	0.18	46.7	80,000
OPG	71.54	42.67	0.18	2.9	8,000
TGFb1	423.08	192.07	0.18	413.7	200,000
EGF	<i>0.10</i>	<i>0.13</i>	0.20	0.2	400
PIGF	<i>2.26</i>	<i>1.83</i>	0.23	3.3	8,000

NGF R	24.84	18.67	0.30	20.5	20,000
TGFa	0.26	0.13	0.36	2.5	20,000
TGFb3	1.06	0.57	0.44	17.3	80,000
IGF-I	35.30	21.10	0.45	93.8	40,000
EGF R	202.80	206.63	0.45	8.3	20,000
bFGF	790.34	1204.47	0.46	102.8	40,000
EG-VEGF	7.38	6.87	0.46	8.9	20,000
Insulin	154.72	110.07	0.46	94.4	40,000
NT-4	13.38	11.70	0.46	12.3	20,000
SCF R	274.48	218.00	0.46	80.0	40,000
VEGF R3	13.78	12.90	0.46	40.3	80,000
VEGF-D	6.78	3.60	0.46	23.1	40,000
GDNF	5.26	4.70	0.55	7.0	8,000
BMP-4	60.72	60.90	0.66	42.6	200,000
FGF-7	13.16	13.73	0.66	12.0	20,000
GH	24.22	18.20	0.66	17.8	20,000
IGFBP-4	102.00	91.83	0.66	152.1	400,000
SCF	2.32	2.10	0.66	5.9	20,000
VEGF R2	96.78	83.23	0.66	14.5	20,000
BDNF	0.64	0.65	0.88	1.9	4,000
AR	19.01	18.65	0.88	11.7	20,000

Min. and Max. refer to the detection range for the 40 growth factors examined

in this assay according to the manufacturer's instructions. Numbers in italics refer to those below the lower limit of quantification.