

Supplemental table 1 : Bio-Plex Pro™ Human Cytokine, Chemokine, and Growth Factor Assay analysis

	PBS		PBS + hirudin		RRD1		RRD1 + hirudin		RRD2		RRD2 + hirudin		PVR		PVR + hirudin		thrombin		thrombin + hirudin		LLOQ	ULOQ	
	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24	T0	T24			
IL-1β	<i>not detectable</i>																					3.2	3261
IL-1ra	<i>not detectable</i>																					81.1	70487
IL-2	<i>not detectable</i>																					2.1	17772
IL-4	<i>not detectable</i>																					2.2	3467
IL-5	<i>not detectable</i>																					3.1	7380
IL-6	1.21 ± 0.14	40.57 ± 12.22	1.99 ± 0.36	67.07 ± 3.62	15.18 ± 8.67	229.67 ± 75.92	20.28 ± 13.38	158.43 ± 63.43	21.80 ± 6.13	275.73 ± 102.27	24.34 ± 7.30	357.87 ± 151.82	57.75 ± 7.9	2267.63 ± 1208.89	59.22 ± 9.19	368.69 ± 138.98	36.47 ± 14.98	7830.13 ± 3580.09	2.77 ± 1.00	105.84 ± 18.72	2.3	18880	
IL-7	<i>not detectable</i>																					3.1	6601
IL-8/CXCL8	9.30 ± 1.34	277.82 ± 88.37	9.33 ± 1.34	475.38 ± 59.96	8.53 ± 0.32	1783.76 ± 390.58	9.97 ± 1.20	1269.07 ± 263.88	12.52 ± 1.69	2185.63 ± 650.69	14.18 ± 2.25	3235.38 ± 903.7	271.32 ± 250.33	17493.14 ± 9475.47	19.02 ± 2.57	2058.82 ± 532.18	802.13 ± 292.78	29962.23 ± 3207.66	8.95 ± 2.1	700.67 ± 137.69	1.9	26403	
IL-9	11.97 ± 1.58	5.01 ± 0.63	13.23 ± 2.11	4.57 ± 0.59	10.02 ± 0.51	6.09 ± 1.30	11.98 ± 1.80	5.67 ± 0.90	11.55 ± 1.16	7.82 ± 2.07	13.96 ± 1.11	9.12 ± 2.01	10.43 ± 0.64	12.16 ± 3.81	15.00 ± 2.84	2.63 ± 0.85	13.76 ± 1.26	16.69 ± 1.22	15.47 ± 4.26	5.18 ± 1.23	2.1	7989	
IL-10	<i>not detectable</i>																					2.2	8840
IL-12 (p70)	16.15 ± 4.07	112.52 ± 12.46	27.61 ± 5.29	123.47 ± 5.05	21.30 ± 1.57	144.77 ± 6.50	24.10 ± 3.25	153.90 ± 11.00	23.28 ± 4.68	144.17 ± 19.72	25.24 ± 4.69	164.03 ± 16.24	22.02 ± 5.85	171.62 ± 37.97	26.43 ± 3.07	122.75 ± 3.59	38.33 ± 4.99	205.73 ± 4.27	32.73 ± 5.32	113.22 ± 7.10	3.3	13099	
IL-13	0.61 ± 0.09	1.18 ± 0.19	0.82 ± 0.23	1.31 ± 0.08	1.68 ± 0.40	2.21 ± 0.24	1.84 ± 0.48	1.86 ± 0.15	2.88 ± 0.75	2.58 ± 0.70	3.07 ± 0.71	2.99 ± 0.73	4.67 ± 1.37	3.98 ± 1.10	3.72 ± 0.89	2.5 ± 0.47	0.55 ± 0.19	2.7 ± 0.10	0.92 ± 0.34	1.31 ± 0.19	3.7	3137	
IL-15	<i>not detectable</i>																					2.1	2799
IL-17	52.73 ± 6.59	42.71 ± 11.83	63.69 ± 9.07	49.65 ± 3.92	42.42 ± 1.23	48.02 ± 1.29	50.65 ± 4.58	49.56 ± 4.22	40.70 ± 5.08	51.24 ± 10.25	46.56 ± 4.90	60.64 ± 9.67	34.43 ± 2.74	126.88 ± 62.93	47.92 ± 8.92	46.67 ± 3.02	52.23 ± 11.13	117.12 ± 9.30	67.27 ± 16.48	48.91 ± 7.97	4.9	12235	
FGFβ	473.37 ± 162.29	93.92 ± 33.97	623.21 ± 57.99	115.88 ± 9.16	590.20 ± 77.10	86.81 ± 34.26	607.90 ± 61.22	43.17 ± 7.18	642.52 ± 77.50	93.40 ± 38.61	715.43 ± 51.94	119.78 ± 46.26	692.40 ± 96.83	143.19 ± 23.37	697.10 ± 76.55	55.77 ± 11.55	692.23 ± 183.86	405.80 ± 139.88	712.71 ± 157.80	91.51 ± 29.71	40.9	5824	
Eotaxin	<i>not detectable</i>																					27.2	7581
G-CSF	29.88 ± 9.50	21.72 ± 6.33	37.60 ± 4.95	25.67 ± 1.66	31.52 ± 1.30	25.69 ± 1.15	42.05 ± 3.81	25.14 ± 0.99	35.79 ± 2.17	25.70 ± 5.07	39.43 ± 3.26	29.15 ± 4.10	43.49 ± 4.01	87.50 ± 43.57	58.67 ± 10.93	31.96 ± 2.84	23.99 ± 5.15	77.48 ± 6.65	37.59 ± 8.32	25.73 ± 2.92	2.4	11565	
GM-CSF	148.44 ± 24.54	43.96 ± 11.88	140.49 ± 10.44	59.19 ± 10.70	112.43 ± 3.84	39.27 ± 7.40	125.44 ± 8.12	37.63 ± 9.00	113.22 ± 7.91	38.19 ± 7.24	124.98 ± 6.84	45.88 ± 8.17	115.49 ± 3.86	135.15 ± 66.11	131.00 ± 13.90	36.21 ± 4.52	146.68 ± 12.62	307.12 ± 53.74	158.14 ± 22.51	41.75 ± 10.27	63.3	6039	
IFNγ	6.49 ± 0.65	16.79 ± 3.72	9.88 ± 1.92	20.46 ± 1.00	6.87 ± 0.41	23.17 ± 1.26	8.67 ± 1.48	23.03 ± 1.97	6.80 ± 1.51	25.06 ± 3.73	8.15 ± 0.71	27.17 ± 3.93	7.60 ± 1.34	44.36 ± 17.51	9.24 ± 1.90	20.81 ± 1.43	9.30 ± 2.91	50.48 ± 3.73	10.75 ± 2.65	20.24 ± 3.02	92.6	52719	
IP-10/CXCL10	2.52 ± 0.28	4.60 ± 1.32	4.08 ± 1.06	5.08 ± 0.42	23.58 ± 5.04	28.81 ± 4.89	26.97 ± 5.53	27.64 ± 5.31	58.10 ± 9.97	62.91 ± 13.57	78.88 ± 16.26	66.74 ± 13.76	172.51 ± 33.14	154.78 ± 40.32	212.64 ± 56.58	150.89 ± 24.43	4.83 ± 0.56	13.07 ± 0.78	4.13 ± 1.70	4.93 ± 1.60	18.8	26867	
MCP-1/CCL2	107.23 ± 30.23	1618.93 ± 186.16	192.47 ± 26.89	2148.21 ± 240.98	275.88 ± 18.18	1633.06 ± 352.45	287.53 ± 16.29	1474.68 ± 419.83	427.66 ± 40.76	1316.33 ± 256.85	429.90 ± 39.60	1216.11 ± 324.46	560.76 ± 67.02	3365.65 ± 729.62	445.41 ± 38.13	1957.86 ± 117.37	443.19 ± 112.32	7468.30 ± 3529.43	212.52 ± 22.93	1936.54 ± 123.48	2.1	1820	
MIP-1α/CCL3	<i>not detectable</i>																					1.4	836
MIP-1β/CCL4	1.92 ± 1.21	1.42 ± 0.42	2.60 ± 0.77	2.03 ± 0.13	4.45 ± 0.56	3.78 ± 0.37	5.50 ± 0.76	3.57 ± 0.52	9.47 ± 0.82	7.21 ± 1.74	10.86 ± 0.77	7.92 ± 1.76	8.87 ± 1.44	8.59 ± 2.69	10.05 ± 2.73	4.88 ± 0.65	3.05 ± 0.79	6.52 ± 0.45	3.51 ± 1.09	2.94 ± 0.32	2.0	1726	
PDGF-BB	3.32 ± 0.22	3.15 ± 0.64	3.40 ± 1.48	2.95 ± 1.00	5.40 ± 0.75	2.71 ± 0.39	5.58 ± 1.21	1.40 ± 0.70	5.79 ± 1.00	3.92 ± 1.91	6.51 ± 1.12	4.65 ± 1.97	4.59 ± 1.16	553.92 ± 260.17	6.78 ± 1.54	3.22 ± 1.59	7.43 ± 1.47	853.28 ± 80.73	6.38 ± 2.59	5.03 ± 0.46	7.0	51933	
RANTES	<i>not detectable</i>																					2.2	8617
TNF-α	<i>not detectable</i>																					5.8	95484
VEGF-A	122.19 ± 21.34	1840.05 ± 276.47	186.26 ± 25.49	2274.15 ± 51.80	140.69 ± 4.77	2627.33 ± 271.35	151.74 ± 12.02	2554.81 ± 311.97	148.32 ± 23.33	2386.72 ± 188.63	156.29 ± 19.41	2442.43 ± 159.90	200.88 ± 50.69	3366.20 ± 712.86	177.16 ± 12.21	2611.92 ± 66.76	350.07 ± 50.71	4989.78 ± 254.25	230.76 ± 27.41	2333.01 ± 125.82	5.5	56237	

All cytokines/chemokines and growth factors detectable with the Bio-Plex Pro™ Human Cytokine, Chemokine and Growth Factor Assay are given in the first column. The detected concentration of these factors in culture supernatants from ARPE-19 cells in unstimulated situation (PBS) or after stimulation with virus or thrombin (5 U/ml) both in the presence and absence of hirudin is indicated in the second till twentieth column, at t = 0 hours (T0) and t = 24 hours (T24).

The two last columns indicate the lower limit of quantitation (LLOQ) and upper limit of quantitation (ULOQ). Cytokines/chemokines and growth factor concentrations are in (pg/ml). Values are the average of 4 samples ± SEM. Values in *italic* are outside detection limit.