

Supplementary Table S1. The raw data of the IOP of perfusion cultured bovine eyes.

Treatment	Eye#	IOP (mmHg)										
		Day 0	1	2	3	4	5	6	7	8	mΔIOP	
ETH	POC25	5.56	6.48	6.81	7.62	8.04						2.48
ETH	POC27	8.11	8.14	7.93	8.08	8.38						0.27
ETH	POC29	3.94	4.20	4.23	4.48	4.48						0.54
ETH	POC32	3.02	2.71	3.74	4.60							1.58
ETH	POC34	2.43	2.81	3.86	4.71							2.28
ETH	POC36	5.71	5.46	5.74								0.03
ETH	POC38	3.33	4.03	4.31	4.33	4.45	4.48					1.15
ETH	POC40	9.14	9.72	9.46	7.27	7.92	8.23					0.58
ETH	POC44	6.32	6.33	6.59	5.91	5.76	5.66	5.60	6.00			0.27
ETH	POC48	8.38	8.70	9.68	9.52	9.85	9.48	8.66				1.47
ETH	POC56	4.21	4.09	4.03	4.25	4.31	4.08	3.75				0.10
ETH	POC60	13.58	13.59	13.89	14.59	14.92	14.90	14.98				1.40
ETH	POC70	5.33	5.37	5.30	3.64	5.25	5.44	5.67	5.82	5.94		0.61
ETH	POC76	4.02	4.28	4.41	4.43	4.65	4.70	4.69				0.68
ETH	POC83	8.06	9.41	10.15	7.40	6.49	6.39	6.42				2.08
ETH	POC89	9.14	11.52	11.45	11.19	11.36	11.78					2.64
ETH	POC91	10.16	11.43	11.64	11.57	11.76	11.70					1.60
ETH	POC101	8.26	7.45	7.68	7.33	7.55	7.87	8.36	8.73	8.99		0.73
Basal IOP (IOP on day 0): mean=6.60, SD=2.96, N=18; mΔIOP: mean=1.14, SD=0.84												
Responder	POC26	5.82	6.86	10.20	12.52	12.60						6.78
Responder	POC39	6.36	6.44	6.16	8.41	13.71	16.76					10.40
Responder	POC41	2.56	3.77	5.00	5.46	5.40	5.36					2.90
Responder	POC64	7.40	7.07	8.74	9.95	12.80	15.53					8.13
Responder	POC68	2.43	2.80	3.07	4.55	6.50	6.66	6.49				4.23
Responder	POC71	6.60	5.04	6.35	4.14	6.68	9.57	10.10	9.98	10.29		3.69

Responder	POC72	2.44	2.90	2.38	1.34	2.86	5.43	8.12	9.75	10.66	8.22
Responder	POC77	3.78	7.14	6.99	6.09	5.63	4.89	3.81			3.36
Responder	POC82	5.47	9.48	8.52	6.67	6.17	5.90	5.73			4.02
Responder	POC90	7.64	9.55	10.02	10.05	10.55	10.80				3.16
Responder	POC92	9.47	12.17	13.42	13.37	13.37	13.18				3.94
Responder	POC102	10.16	9.95	10.65	10.62	11.24	11.70	12.50	13.18	13.78	3.62
Basal IOP: mean=5.84, SD=2.64, N=12; mΔIOP: mean=5.20, SD=2.50											
Non-responder	POC28	5.70	5.66	5.79	6.22	6.93					1.23
Non-responder	POC30	3.63	3.55	3.57	4.31	5.14					1.51
Non-responder	POC31	5.88	6.74	6.98	7.07	6.87					1.19
Non-responder	POC33	4.75	4.86	6.34	7.13						2.38
Non-responder	POC35	6.54	5.59	6.01	5.92						0.00*
Non-responder	POC37	4.44	3.07	2.26	2.05						0.00*
Non-responder	POC42	5.45	5.34	5.64	4.94	4.67	4.65	4.74	4.69		0.19
Non-responder	POC49	9.61	9.44	10.40	9.05	9.94	10.79	10.83	6.79		1.22
Non-responder	POC57	8.46	8.54	8.66	9.28	10.04	10.13	10.15			1.69
Non-responder	POC58	11.21	9.73	8.55	10.51	12.59	13.15	9.57			1.94
Non-responder	POC61	6.55	5.11	5.11	5.27	5.32	5.78	6.57			0.02
Non-responder	POC66	7.79	7.50	9.14	10.02	10.17	10.53				2.74
Non-responder	POC67	4.11	4.38	5.20	6.13	6.16	5.51	4.87			2.05
Non-responder	POC74	5.69	5.11	5.43	4.25	5.58	5.92	6.30	6.26	6.33	0.63

Non-responder	POC78	2.66	2.84	3.62	4.16	4.55	4.52	4.76	2.10
Non-responder	POC80	5.85	5.52	6.67	6.85	7.05	7.22	8.21	2.36
Non-responder	POC84	1.64	2.19	3.15	2.18	1.85	2.07	2.21	1.51

Basal IOP: mean=5.88, SD=2.42, N=17; mΔIOP: mean=1.34, SD=0.90

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The mean, SD and SEM of basal IOP of all forty-seven eyes are 6.14, 2.66 and 0.39mmHg, respectively. \*: negative ΔIOP was set at 0.