

APPENDIX tables B1-4

Table B1.

Dkl=100 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O ₂ cm ⁻³ s ⁻¹ , (Dk) _c = 24.7 Fatt units					
T _{lens} (μm)	T _{tears} (μm)	p(x=x _c) (mmHg)	p(x=x _c +x _{tears}) (mmHg)	X _{min} (μm)	P(x=x _{min}) (mmHg)
250	50	107.55	116.07	176.82	2.64
	100	100.96	117.36	182.01	2.18
	150	94.99	118.6	186.59	1.83
	200	89.32	119.7	191.57	1.54
	250	84.06	120.79	197.08	1.31
300	300	79.15	121.87	201.11	1.12
	50	101.41	109.6	182.01	2.21
	100	95.4	111.08	186.59	1.86
	150	89.7	112.47	191.57	1.56
	200	84.42	113.87	197.08	1.32
350	250	79.48	115.14	201.11	1.13
	300	74.75	116.35	205.77	0.97
	50	95.82	103.67	186.59	1.88
	100	90.09	105.35	191.57	1.58
	150	84.78	106.92	196.04	1.34
	200	79.82	108.37	201.11	1.15
	250	75.06	109.79	205.77	0.98
300	70.79	111.2	210.04	0.85	
Dkl=140 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O ₂ cm ⁻³ s ⁻¹ , (Dk) _c = 24.7 Fatt units					
T _{lens} (μm)	T _{tears} (μm)	p(x=x _c) (mmHg)	p(x=x _c +x _{tears}) (mmHg)	X _{min} (μm)	P(x=x _{min}) (mmHg)
250	50	117.09	125.97	168.42	3.46
	100	109.83	126.93	174.89	2.82
	150	103.23	127.85	180.01	2.34
	200	96.98	128.68	185.63	1.95
	250	91.15	129.49	190.84	1.63
	300	85.73	130.3	195.66	1.38
300	50	112.2	120.83	172.22	3.01
	100	105.43	121.94	178.13	2.50
	150	99.01	122.99	183.65	2.07
	200	93.05	124.06	188.76	1.72
	250	87.5	125.02	193.48	1.46
	300	82.18	125.94	198.93	1.23
350	50	107.69	116.04	176.25	2.67
	100	101.14	117.32	181.67	2.20
	150	95.04	118.53	186.68	1.83
	200	89.32	119.63	192.39	1.54
	250	83.87	120.72	196.65	1.30
	300	78.96	121.81	201.71	1.11
Dkl=170 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O ₂ cm ⁻³ s ⁻¹ , (Dk) _c = 24.7 Fatt units					
T _{lens} (μm)	T _{tears} (μm)	p(x=x _c) (mmHg)	p(x=x _c +x _{tears}) (mmHg)	X _{min} (μm)	P(x=x _{min}) (mmHg)
250	50	121.6	130.64	165.06	3.90
	100	114.02	131.44	171.33	3.17
	150	107.13	132.22	176.25	2.62
	200	100.61	132.91	182.66	2.17
	250	94.5	133.58	187.72	1.80
	300	88.84	134.27	192.39	1.52
300	50	117.37	126.2	168.66	3.48
	100	110.24	127.14	174.37	2.87
	150	103.48	128.02	179.69	2.36
	200	97.2	128.92	185.64	1.95
	250	91.35	129.74	190.21	1.64
	300	85.75	130.52	195.51	1.37
350	50	113.46	122.04	171.55	3.14
	100	106.52	123.13	176.72	2.58
	150	100.04	124.15	182.52	2.13
	200	93.95	125.08	188.03	1.78
	250	88.16	126.01	193.23	1.48
	300	82.94	126.94	198.14	1.26

Table B2.

DIKI=100 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	85.84	98.18	58.38	23.08
	100	78.2	101.42	84.11	22.12
	150	71.53	104.36	106.69	21.00
	200	65.45	106.87	127.22	19.77
	250	60.01	109.19	145.08	18.49
	300	55.09	111.36	161.87	17.22
300	50	78.71	90.27	82.33	22.19
	100	71.98	93.81	104.81	21.08
	150	65.85	96.93	125.24	19.85
	200	60.37	99.85	144.04	18.58
	250	55.42	102.43	160.78	17.31
	300	50.79	104.75	176.13	16.02
350	50	72.43	83.39	103.87	21.16
	100	66.26	87.12	124.25	19.94
	150	60.75	90.45	143.00	18.67
	200	55.75	93.44	159.69	17.40
	250	51.09	96.17	174.99	16.11
	300	47.03	98.78	188.62	14.89
DIKI=140 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	97.59	110.94	19.74	23.90
	100	88.58	113.65	49.40	23.34
	150	80.75	116.06	75.67	22.47
	200	73.71	118.12	99.50	21.39
	250	67.39	119.99	121.16	20.17
	300	61.72	121.73	138.98	18.91
300	50	91.47	104.18	40.50	23.57
	100	83.31	107.19	67.21	22.79
	150	75.97	109.81	91.58	21.76
	200	69.43	112.25	113.88	20.58
	250	63.56	114.38	133.53	19.34
	300	58.13	116.29	151.05	18.04
350	50	85.97	98.15	58.75	23.09
	100	78.36	101.39	83.66	22.13
	150	71.59	104.25	106.60	21.00
	200	65.46	106.78	126.99	19.77
	250	59.84	109.08	145.35	18.47
	300	54.91	111.26	162.44	17.19
DIKI=170 Fatt units, $Q_{c,max}=5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	103.45	117.3	0.42	24.00
	100	93.73	119.69	32.49	23.72
	150	85.31	121.82	60.63	23.02
	200	77.77	123.63	85.64	22.04
	250	71	125.25	108.68	20.89
	300	64.96	126.77	128.08	19.66
300	50	97.96	111.24	18.25	23.91
	100	89.03	113.93	48.41	23.38
	150	81.05	116.27	74.75	22.51
	200	73.95	118.43	99.32	21.42
	250	67.61	120.31	119.36	20.23
	300	61.77	121.99	138.51	18.94
350	50	92.98	105.78	35.25	23.67
	100	84.59	108.71	62.87	22.94
	150	77.13	111.28	87.88	21.94
	200	70.4	113.54	110.64	20.78
	250	64.28	115.59	130.53	19.52
	300	58.9	117.52	148.16	18.24

Table B3.

DIkl=100 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 24.7 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	91.78	103.13	214.62	0.037
	100	84.04	105.57	219.385	0.030
	150	77.3	107.86	223.25	0.025
	200	71.07	109.89	228.195	0.021
	250	65.48	111.83	231.4	0.017
	300	60.42	113.68	235.985	0.015
300	50	84.56	95.32	219.385	0.030
	100	77.76	98.08	223.25	0.025
	150	71.48	100.59	227.205	0.021
	200	65.85	103.05	231.4	0.018
	250	60.75	105.25	234.895	0.015
	300	55.95	107.29	238.83	0.013
350	50	78.22	88.42	223.25	0.025
	100	71.9	91.43	227.205	0.021
	150	66.23	94.21	231.4	0.018
	200	61.09	96.76	234.895	0.015
	250	56.25	99.15	238.83	0.013
	300	52.1	101.48	242.165	0.011
DIkl=140 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 24.7 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	103.44	115.52	207.9	0.049
	100	94.51	117.41	213.155	0.039
	150	86.71	119.18	217.61	0.032
	200	79.53	120.76	222.255	0.026
	250	73.05	122.25	226.2	0.022
	300	67.22	123.7	230.535	0.018
300	50	97.39	109	211.375	0.042
	100	89.29	111.18	215.73	0.035
	150	81.84	113.17	220.275	0.028
	200	75.14	115.11	225.16	0.023
	250	69.11	116.85	229.445	0.019
	300	63.46	118.47	233.13	0.016
350	50	91.97	103.09	214.79	0.037
	100	84.28	105.53	219.285	0.030
	150	77.36	107.76	224.12	0.025
	200	71.06	109.8	228.355	0.021
	250	65.21	111.73	231.99	0.017
	300	60.15	113.6	236.215	0.015
DIkl=170 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 24.7 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	109.14	121.55	204.54	0.057
	100	99.63	123.16	210.49	0.045
	150	91.30	124.68	214.79	0.036
	200	83.67	126.02	219.29	0.030
	250	76.76	127.29	224.12	0.024
	300	70.25	128.53	228.36	0.020
300	50	103.8	115.81	207.82	0.050
	100	95.04	117.68	212.91	0.040
	150	87.00	119.39	217.31	0.032
	200	79.78	128.06	222.04	0.026
	250	73.28	122.56	226.18	0.022
	300	67.20	123.96	230.85	0.018
350	50	98.97	110.53	210.09	0.044
	100	90.58	112.65	215.33	0.036
	150	83.02	114.59	219.96	0.029
	200	76.14	116.35	224.00	0.024
	250	69.77	118.03	228.57	0.020
	300	64.25	119.65	232.65	0.017

Table B4

DIkl=100 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	62.05	78.62	200.34	5.23
	100	53.51	84.2	214.05	3.79
	150	46.71	89.29	226.07	2.83
	200	40.95	93.7	236.12	2.17
	250	36.19	97.7	244.92	1.71
	300	32.19	101.35	252.34	1.40
300	50	54.06	69.35	213.16	3.87
	100	47.15	75.52	225.13	2.89
	150	41.32	80.95	235.13	2.21
	200	36.5	85.94	243.88	1.74
	250	32.45	90.3	251.25	1.42
	300	28.85	94.17	259.35	1.17
350	50	47.6	61.86	224.19	2.94
	100	41.69	68.32	234.14	2.25
	150	36.81	74.06	242.84	1.77
	200	32.71	79.15	251.25	1.44
	250	29.07	83.7	258.21	1.18
	300	26.16	87.91	264.78	1.00
DIkl=140 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	76.36	94.64	178.50	8.13
	100	65.26	99.12	195.36	5.83
	150	56.34	103.25	210.09	4.22
	200	48.89	106.85	222.26	3.11
	250	42.74	110.13	232.44	2.36
	300	37.65	113.14	241.44	1.85
300	50	68.74	85.99	190.02	6.52
	100	59.19	91.10	205.39	4.70
	150	51.21	95.65	218.30	3.44
	200	44.67	99.88	229.32	2.57
	250	39.25	103.58	239.26	2.00
	300	34.54	106.87	247.95	1.59
350	50	62.24	78.60	200.69	5.25
	100	53.75	84.16	214.34	3.81
	150	46.77	89.15	226.20	2.83
	200	40.96	93.58	235.99	2.17
	250	35.96	97.56	244.53	1.71
	300	31.97	101.23	252.88	1.39
DIkl=170 Fatt units, $Q_{c,max}=10.5 \times 10^{-5}$ mL O₂ cm⁻³ s⁻¹, (Dk)_c= 86 Fatt units					
T_{lens} (μm)	T_{tears} (μm)	p(x=x_c) (mmHg)	p(x=x_c+x_{tears}) (mmHg)	X_{min} (μm)	P(x=x_{min}) (mmHg)
250	50	83.91	103.01	166.74	9.79
	100	71.51	106.89	186.46	7.09
	150	61.47	110.47	201.63	5.11
	200	53.11	113.60	215.33	3.71
	250	46.19	116.46	226.20	2.76
	300	40.51	119.10	235.99	2.13
300	50	76.82	95.02	177.56	8.22
	100	65.85	99.50	195.05	5.93
	150	53.57	103.50	209.39	4.28
	200	49.14	107.23	222.04	3.14
	250	42.95	110.52	231.63	2.38
	300	37.61	113.43	241.11	1.85
350	50	70.62	88.03	187.53	6.89
	100	60.65	92.97	203.45	4.96
	150	52.43	97.41	215.80	3.60
	200	45.61	101.38	227.27	2.69
	250	39.82	104.96	237.69	2.06
	300	35.18	108.27	245.74	1.64