

Appendix 1: Aqueous Humor donors

Control donors						
Code	Age*	Gender	Race**	Topical Medications	Other Medications	Aqueous*** humor (µl)
AGY039	65	F	Hispanic & Other	No meds	Lisinorpil, Amlodipine	120
AGY040	80	M	White	No meds	Aspirin, Zocar, Vasotec, Persantine, Enalapril, Proscar, Glucosamine, MSM, Mycaterourt (sp? Illegible)	150
AGY041	58	F	Hispanic	No meds	Vitamins, Aspirin, Glucosamine, Mylanta, Promethazine Codeine	75
AGY042	64	M	N/A	No meds	N/A	80
AGY043	82	F	White	No meds	Nexium, Lipitor, Synthroid	90
AGY044	63	M	Hispanic & White	No meds	Micardis, Corgard, Crestor, Clonazepam, Zyprexa, Lithium	65
AGY045	78	F	Hispanic & Black	No meds	Norvasc, Furosemide, Monopril, Lanoxin, Lipitor, Captopril, Celebrex, Centurium, Lisinopril, Atenolol, Baby Aspirin	100
AGY046	86	M	White	No meds	Detrol, One-A-Day men, Zocor, Avandia, Coreg, Tylenol 3,	110
AGY047	71	F	N/A	No meds	N/A	60
AGY048	70	F	N/A	No meds	Zyrtec, Diltiazem, AcipHex (sp?), Premarin, Trazodone, Vytorin, Pomperidone, Zelnorm, Ester-C	100
AGY049	62	M	Black	No meds	Insulin, Cardizem, Plavix, Prevacid, Protonix, Enalapril, Crestor, Glucophage, Vasotec, Prilosec, Amoxicillin, Loperamide, Novolin, Lantus, Neurotin, Albuterol	150
AGY050	44	F	N/A	No meds	N/A	150
AGY051	52	M	White	No meds	N/A	150
AGY052	81	F	White	No meds	N/A	160
AGY053	72	F	White	PF, Vigamox, Acular,	Pamelor, CQ10, Lipitor, Lunesta, Calcium, PF, Aspirin, Fish Oil	120
AGY054	79	M	Hispanic & White	Acular, Pred Forte, Vigamox	Synthroid, Metoprolol, Norvasc, Digoxin	140
AGY055	70	F	Hispanic & Other	Vigamox, Acular, Prednisolone	Cardizem, Glipizide, Simvastatin, Avapro, Labetalol	120
AGY056	74	M	N/A	Acular, Pred Forte, Vigamox, PF	Stalevo, Mirapex, Amantadine, Sanctura, Seroquel	100

Control Aqueous Humor donors used for specific class of lipids

Sphingomyelin	Sphingoid base	Sphingoid base-1-phosphate	Ceramides
AGY040	AGY051	AGY056	AGY051
AGY041	AGY052	AGY055	AGY052
AGY042	AGY053	AGY054	AGY053
AGY043	AGY054	AGY052	AGY054
AGY044	AGY041	AGY051	AGY055
AGY045	AGY055	AGY053	AGY056
AGY046	AGY050	AGY050	AGY039
AGY047	AGY056	AGY040	AGY040
AGY048	AGY039	AGY047	AGY050
AGY049	AGY040	AGY039	AGY047

Glaucomatous donors

AGY057	82	F	HW	Travatan, Cosopt, Alphagan	Not Known	170
AGY058	81	F	N/A	Cosopt, Xalatan	Not Known	80
AGY059	77	F	Hispanic	Alphagan, Xalatan	Procardia, Mycardis, Singulair, Lipitor, Advair	75

AGY060	80	F	Hispanic & White	Travatan, Cosopt	Avapro, Meprobamato, ASA, Clarinex	50
AGY061	78	F	Black	Cosopt, Xalatan	Cozaar, Calcium, Baby Aspirin, Fosamax, Norvasc, Celebrax, Lipitor, Tylenol	50
AGY062	46	F	Black	Cosopt, Lumigan	AIDs meds per pt. Everything else is illegible	100
AGY063	78	M	White	Xalatan	Coumadin, Prednisone, Maxzide, Folic Acid, Vitamin E, Vitamin B6	105
AGY064	81	F	White	Alphagan, Trusopt, Xalatan	Synthroid, Tamoxifen, Altace, Vit. C - Beta Carotene, Vit. E, Aspirin, Calcium, Avapro, Lipitor, Lumigan, Alphagan P, BID	100
AGY065	83	M	N/A	Cosopt, Travatan	Namenda, Nitro Patch, Atenolol, Coumadin/Warfarin, Lipitor, Triamterene, Water pill, Maxide, Meloxicam	80
AGY066	60	M	Black	Cosopt	Synthroid, Glucotrol, Zocor	105
AGY067	62	M	Hispanic & Black	Xalatan, Timolol	Not Known	200
AGY068	76	M	N/A	Cosopt	Diovan, Protonix	90
AGY069	78	F	Hispanic & Other	Alphagan	Not Known	150
AGY070	72	F	Black	Xalatan, Cosopt	Aricept: 5mg, Micardis HCT:N/A, Bayer: N/A, Vytorin: 10/40, Norvasc: 5 mg, Novolin Insulin: 70/30, HCT2: 25 mg, Tramadol: 50 mg, Catapres: 3 patches, Ecotrin: 81 mg, Nifedipine CR: 60 mg, Nexium: N/A, Atenolol: 25 mg, Lisinopril: 10 mg, Oxycodone/APAP: N	200
AGY071	82	F	Hispanic & White	Travatan: 1 drop (OD) - bedtime, Alphagan: 1 drop (OD) - 2x/day, Dorzolamide: 1 drop (OD) - 2x/day, Ofloxacin: 1 drop (OS) - 4x/day, Prednisolone: 1 drop (OS) - 4x/day, Vigamox: (OS)	Paraoxetine: 1 tab. daily, Namenda: 1 tab. daily, Avandia: 1 tab daily, Aspirin: 325 mg - daily,	180
AGY072	69	F	Caucasian	Travatan, Alphagan	Metformin: 2x/day, Aricept: N/A, Ibuprofen: N/A, Abilify: N/A, Lexapro: N/A, Zanax: N/A	250
AGY073	78	M	N/A	Timolol, Xalatan	Does not know what other meds he is using.	100
AGY074	66	M	N/A	Cosopt, Xalatan	None	120
AGY075	78	F	Hispanic & Other	Timolol, Xalatan	Synthroid, Calcium, ASA	85
AGY076	65	F	Non-Hispanic & Black	Cosopt, Xalatan, Vigamox, Pred forte	Norvasc: 10 mg - 2x/day, Motrin: 800mg - 2x/day, Humalog: 70/30 - 2x/day, Metformin: 5 mg - 2x/day, 3 illegible medications	90

Glaucomatous Aqueous Humor donors used for specific class of lipids

Sphingomyelin	Sphingoid base	Sphingoid base-1-phosphate	Ceramides
AGY058	AGY067	AGY057	AGY067
AGY059	AGY069	AGY076	AGY069
AGY060	AGY070	AGY075	AGY070
AGY062	AGY071	AGY074	AGY071
AGY063	AGY072	AGY073	AGY072
AGY064	AGY073	AGY072	AGY073
AGY065	AGY074	AGY071	AGY074
AGY066	AGY075	AGY070	AGY075
AGY068	AGY076	AGY069	AGY076
AGY061	AGY057	AGY067	AGY057

*Age indicates the age of the aqueous humor donor/patient on the day of collection. **Self stated race has been indicated: W= Caucasian; H= Hispanic; B= Black; N/A= Not available. ***Collected aqueous humor volume (in microliter). Note that due to volume and/or total lipid present in each samples not all samples could be used for analyses of each lipid class listed here. Therefore, although a total of n=18 control and n=20 POAG AQH has been used but each lipid class analyses has utilized only n=10 control and n=10 POAG AQH sample. This has been indicated with the code numbers against each lipid class.