

Biobanking of Human Aqueous and Vitreous Liquid Biopsies for Molecular Analyses

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Materials

Name	Company	Catalog Number	Comments
0.5ml Tri-coded Tube, 96-format, External Thread	Azenta Life Sciences, Burlington, MA 01803, USA	68-0703-12	used for aqueous humor samples
1 mL syringe	surgical grade, whatever available in hospital	-	for aqueous humor biopsies
1.9ml Tri-coded Tube, 48-format, External Thread	Azenta Life Sciences, Burlington, MA 01803, USA	65-7643	used for vitreous samples
3 mL syringe	surgical grade, whatever available in hospital	-	for vitreous biopsies
30-32-gauge needle	surgical grade, whatever available in hospital	-	for aqueous humor biopsies
Capillary electrophoresis coupled with Fourier transformed mass spectrometry (CE-FTMS)	Human Metabolome Technologies, Inc., Tsuruoka, Japan	-	-
Constellation vitrectomy system with 23-, 25-, or 27-gauge trocar cannula system	Alcon Laboratories Inc, Fort Worth, TX, USA	-	for vitreous biopsies
Cooling box	Standard styrofoam box, whatever available in lab	-	-
Dry ice	Whatever available in lab	-	-
Handsfree Standard Range Scanner Kit with Shielded USB Cable	Zebra Symbol	DS9208-SR4NNU21Z	Barcode scanner
Human Glycosylation Antibody Array L3	RayBiotech, Peachtree Corners, GA, USA	GAH-GCM-L3	-
Mac mini	Apple Inc., Cupertino, CA 95014, USA	-	-
MetaboAnalyst software	Pang et al., 2021, PMID: 34019663	-	-

Rack for 0.5ml tubes, 96-Format	Azenta Life Sciences, Burlington, MA 01803, USA	66-51026	for aqueous humor samples
Rack for 1.9ml tubes, 48-Format	Azenta Life Sciences, Burlington, MA 01803, USA	65-9451	for vitreous samples
REDCap browser-based sample database	REDCap Consortium, Vanderbilt University, https://www.project-redcap.org	-	-