



Scripps Health/Scripps Clinic Bio-Repository and Bio-Informatics Core Monthly Report

10/2022

Specimen Collection

Total Aliquots: **41,447 (in physical inventory)**
Aliquots added in October: **618**

Total Samples: **18,506 (in physical inventory)**
Samples added in October: **393**

Specimens (aliquots) Released for Research in October: **170**
Total Specimens Released for Research: 7,931

New Contributing Sources: **0**
Total Contributing MD Sources/locations: **23**

Participants

BR Consented: **2,169**
New Consents in October: **42**
Non-Consented Contributors (inherited studies/remnant specimens): **8,003**

COVID-19

COVID+ Patients: **2,268** (112 BR Consented, 2,156 from remnant clinical specimens)
Total COVID+ Aliquots (historical/in inventory): **5,615/2,978**
Aliquots added in October: **148**
Samples added in October: **144**

FLU

Flu A+: **943 (779 dispatched)**
Flu B+: **340 (338 dispatched)**

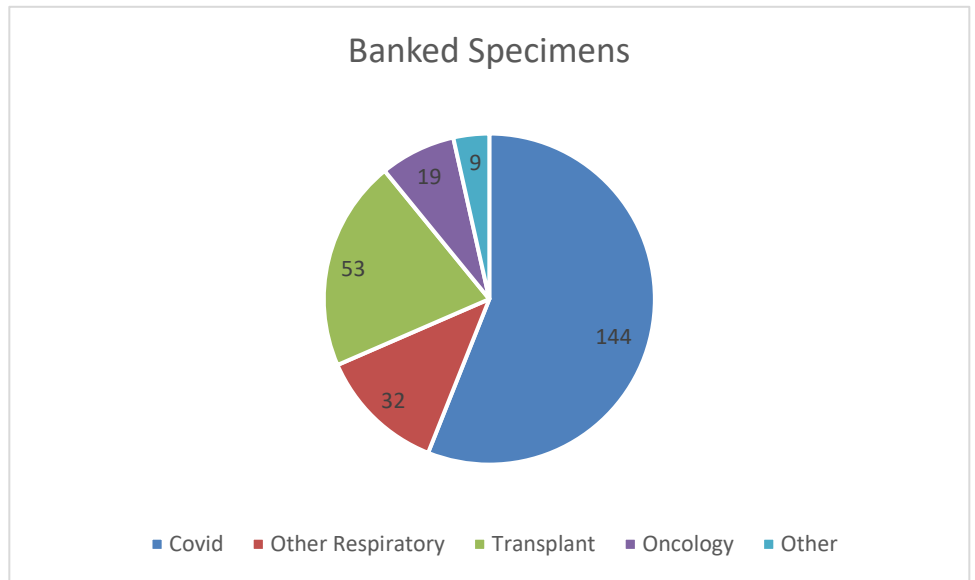
Normal Samples

Apparently Healthy Donors (Consented): **103**
Participants added in October: **0**
Apparently Healthy Donors (Remnant): **927**
Remnant AHD Specimens added in October: **0**

Primary Diagnosis Breakdown

Specimens added to Inventory

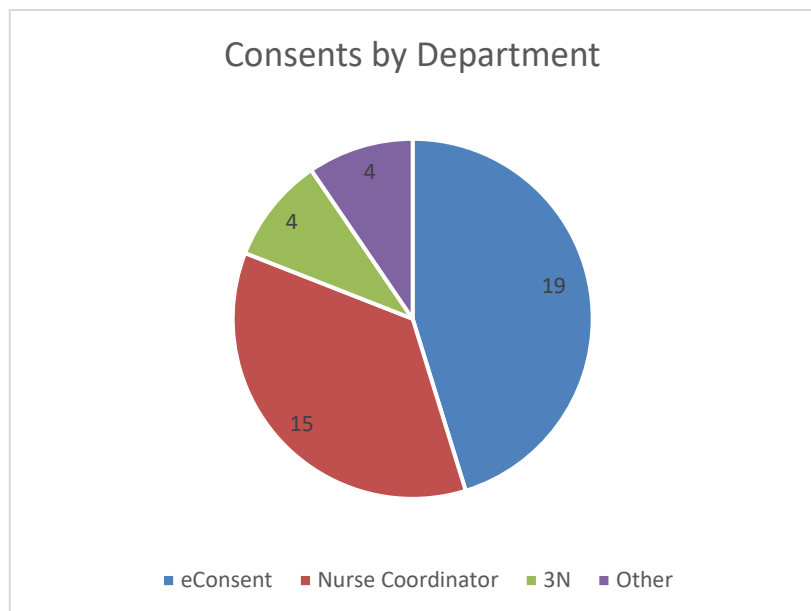
Covid: 144
Other Respiratory: 32
Transplant: 53
Oncology: 19
Other: 9



New Consents:

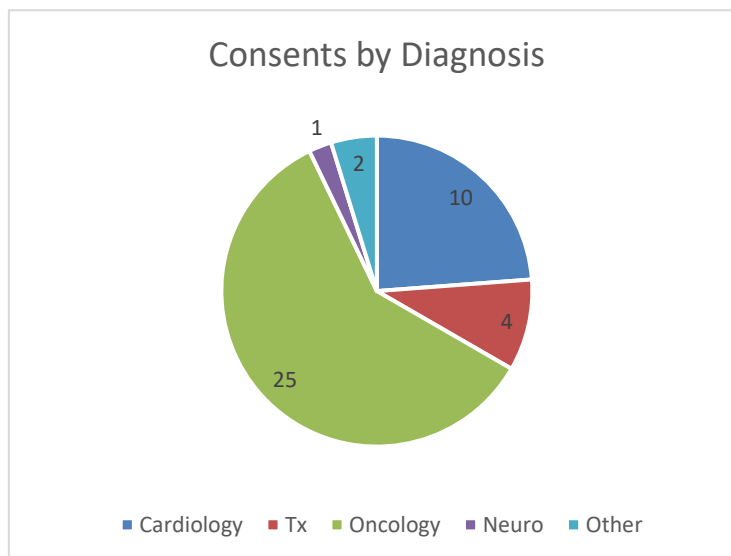
By Department

e-Consent (Bio-Repository): 19
Oncology (NurseCoordinator): 15
3 North: 4
Other: 4



By Diagnosis

Oncology: 26
Transplant: 4
Cardiology: 10
Other: 2



Bio-Specimen Requests

Pending Requests: 8

Requests Approved by the Oversight Committee in October: 1

Recently Approved Requests:

- **Steve Kleiboeker (Eurofins):** Evaluate the diagnostic and prognostic performance of methylated host cell-free DNA quantification for respiratory viral disease outcomes
- **Sasi Mudumba (Genalyte):** Maverick test panel development
- **Florence Lee (Truvian Health):** development of a machine learning algorithm for automated image analysis
- **Jarrod Provins (LumiraDx):** Development, evaluation and validation of respiratory tests for Flu/Covid
- **Hugo Montoya Salas (Bio SB):** Quality control assays to test antibodies in IHC
- **Holly Chang (Curative):** Chronic Liver and Kidney disease

Recent Publications (From SCBBC Staff & Investigators Utilizing the SCBBC)

1. **Kurian, SM** and Friedewald JJ. Comparing Plasma Donor-Derived Cell-Free DNA to Indication Kidney Biopsy Tissue Gene Expression - Towards Understanding the Molecular Equivalents of Non-Invasive Tests. JASN Editorial. In Press.
2. Sean E. DeWolf, Sashi G. Kasimsetty, Alana A. Hawkes, Lisa M. Stocks, **Sunil M. Kurian, Dianne B. McKay**, DAMPs Released From Injured Renal Tubular Epithelial Cells Activate Innate Immune Signals in Healthy Renal Tubular

Epithelial Cells. Transplantation. In Press.

3. Park S, MD; Guo K; Heilman R, MD; Poggio E, MD; Taber D, PharmD, MS; **Marsh C, MD; Kurian S, PhD**; Kleiboecker S, PhD; Weems J, PhD; Holman J, MD, PhD; Zhao L, PhD; Sinha R, PhD; Brietigam S, BA, CCRC, CAPM; Rebello C; Abecassis M, MD, MBA; Friedewald J, MD. Combining Blood Gene Expression and Cell-Free DNA to Diagnose Subclinical Rejection in Kidney Transplant Recipients **Clinical Journal of the American Society of Nephrology**, August 2021.