

**Gill Heart & Vascular Institute Cardiovascular Biorepository
Specimen Request Form**

Date:	
Name of Requestor:	Department:
Institution:	
Institution Type: <input type="checkbox"/> Non-Profit <input type="checkbox"/> Academic <input type="checkbox"/> Commercial/For-Profit/Industry <input type="checkbox"/> Other _____	
Address:	
Address 2:	
City:	State:
Zip:	Country:
Phone:	Email:
Type of specimens requested (for example, right ventricular myocardium, aortic punches, plasma):	
Inclusion / exclusion criteria (for example, equal number of men and women, equal number of organ donors and patients with ischemic heart failure, patients with Marfan's syndrome, etc.):	
Number of specimens requested (how many specimens from how many different people):	
Short description of research (for example, measuring changes in RNA associated with heart failure):	
Is this project already funded? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Do you intend on applying for funding for this project? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Approved: <input type="checkbox"/> Yes <input type="checkbox"/> No	Date:

Gill Heart & Vascular Institute Cardiovascular Biorepository Use Agreement

Overview

The Gill Cardiovascular Biorepository (CVBR) collects a variety of specimens from patients undergoing cardiovascular procedures at the Gill Heart Institute and from organ donors. The PI of the overall protocol is Kenneth S. Campbell, PhD. Three current sub-projects are led by Ahmed Abdel-Latif, MD/PhD (plasma/blood from patients with ST-Segment Elevation Myocardial Infarction), Maya Guglin, MD/PhD (myocardium), and Mary Sheppard, MD (vascular samples).

As of 2018, the Biorepository holds approximately 8000 specimens from over 300 patients. Most of these are specimens of myocardium from patients who have heart failure or who were organ donors, but the collections of aortic specimens and plasma/serum from patients who have had a myocardial infarction are growing rapidly. The research protocol allows us to share specimens with researchers from other institutions.

Our goal is to help researchers to access biospecimens that they can use to accelerate the development of better therapies for cardiovascular disease. We are grateful to our patients, our donors, and their families for supporting this goal.

Sharing Samples

The following conditionings must be met before specimens can be shipped.

- 1) Requests for specimens must be approved by the Leadership Committee.
- 2) A Material Transfer Agreement (MTA) must be completed. The CVBR will provide a draft document which must be approved and completed by the receiving institution.
- 3) The receiving institution must provide documentation from their Institutional Review Board (IRB) or equivalent demonstrating that they are allowed to use specimens from the CVBR in their laboratory.

Technical Information Relating to Samples

Myocardium specimens from failing hearts come from patients receiving heart transplants and/or who are being implanted with VADs. Non-failing myocardium is obtained from terminal organ donors when the heart cannot be used for transplant for technical reasons including, for example, blood type mismatch and/or hepatitis status. More information about the collection protocol is available at <https://uknowledge.uky.edu/vad/vol2/iss1/12/>

Vascular tissue is collected from subjects undergoing various cardiovascular procedures such as Abdominal Aortic Aneurysm (AAA), Coronary Artery Bypass Grafting (CABG), aortic or mitral valve replacements, etc.

Plasma and blood specimens are obtained from subjects that have experienced a ST-Segment Elevation Myocardial Infarction (STEMI).

Plasma and blood specimens are stored in a -80 freezer. All cardiac and vascular tissues are currently stored in the vapor phase of liquid nitrogen.

Medical Data

Our protocol allows us to share de-identified medical data related to the subjects. Data is extracted from the medical records and/or United Network for Organ Sharing (UNOS) records. Some specimen records may be incomplete.

Participant Identification

All specimens are coded and do not contain participant identifiers. The biorepository will not share identifiers or the key to coded specimens. Recipients of specimens will not attempt re-identification.

Costs

Collaborators are expected to pay for shipping, handling, and any other reasonable costs associated with specimen preparation.

Grant Applications

Collaborators who wish to acquire specimens on an ongoing basis are expected to build relevant costs into their grant applications. This will help the CVBR to recover procurement costs and to maintain the resource. Please contact the CVBR for further details.

Authorship and Acknowledgments

The CVBR asks that publications which use samples from this resource

- Acknowledge the Gill Cardiovascular Biorepository at the University of Kentucky
- Include the overall PI (Kenneth Campbell) and the relevant sub-project PI (Abdel-Latif, STEMI specimens; Guglin, myocardium, Sheppard, aortic samples) as co-authors.

I have read the Gill Heart & Vascular Institute Cardiovascular Biorepository use agreement. I agree to the terms outlined above. I understand that failure to comply may result in rejection of specimen request.

Requestor Signature

Date