



REQUESTING ACCESS TO TISSUE SAMPLES

Bruce McManus Cardiovascular Biobank

ABOUT BIOBANK SAMPLE ACCESS

The **Bruce McManus Cardiovascular Biobank** (BMCB) at the Centre for Heart Lung Innovation (HLI) is committed to supporting cardiovascular research. BMCB will make every effort to provide researchers with requested tissue samples following the demonstration of ethical approval by the applicable institutional Research Ethics Board. All bio-specimens are considered precious, so an advisory board review will follow an internal review of the request to ensure ethical and scientific justification.

SAMPLE ACCESS REQUEST APPROVAL

Allow a minimum of seven days between the tissue sample request and approval process. Please submit the following to **BMCB Coordinator**:

- Completed ***BMCB Sample Access Request Form*** (pg. 2-3)
- Ethics Certificate
- Study Protocol and/or Summary

REVIEW PROCESS & NEXT STEPS

Your application will then be assessed by the biobank director and the HLI BMCB advisory board. Final decisions about access will be made based on the scientific merit of the proposed research and availability of tissue.

If this is the first time you are requesting (new type of) samples from the BMCB, please refer to the ***BMCB Sample Access - Reference*** (pg.4) to fill out section B.

HLI BMCB tissues are provided on the basis that requested tissue samples may warrant additional costs, including but not limited to collection, processing, and administrative services. A breakdown of these charges will be provided as part of the review process. Once the request is reviewed and approved, the form will be signed off by the BMCB Coordinator. A copy of the approval form will be provided.

To publish any data provided by the BMCB or generated from our samples, researchers must include ethical statement and proper acknowledgement of the BMCB. Please contact us for the acknowledgement guidelines or authorship discussion before your submission.

PLEASE FAX OR RETURN THE COMPLETED FORM TO: ROOM 201 - 1081 BURRARD ST.

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BMCB SAMPLE ACCESS REQUEST FORM – PART 1

1.1 USER INFORMATION

DATE (mm / dd / yyyy)		PRINCIPAL INVESTIGATOR	
NAME (First, Middle, Last)		PHONE	EMAIL
INSTITUTION			
PROJECT TITLE			
SOURCE OF FUNDING <input type="checkbox"/> Non-profit <input type="checkbox"/> For-profit		FUNDING STATUS <input type="checkbox"/> Funded <input type="checkbox"/> Other (please specify): _____	
FUNDING AGENCY		<input type="checkbox"/> Application under review _____ <input type="checkbox"/> Preparing for application	

1.2 PROJECT INFORMATION

PROJECT OBJECTIVE & DESCRIPTION (<i>Please attach a separate document as needed.</i>)	
Sample Usage Goals	
Project End Date (<i>If known</i>)	
Human Ethics Certificate Title	
Human Ethics Certificate Number	
Human Ethics Certificate Approval Date	

FOR BIOBANK USE ONLY

Request Approved: ☐ Yes ☐ No

BMCB Coordinator Signature: _____ Signed Date: _____

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BMCB SAMPLE ACCESS REQUEST FORM – PART 2

Please indicate all desired criteria of requested samples by marking the 'X' column. If the **approximate quantity** of samples is known, provide the **# for each criterion** in the same column.

2.1 SPECIMEN/PARTICIPANT TYPE

X	CODE	DESCRIPTION
	BMCB-CS	Tissue from participants undergoing cardiac surgery (excl. transplants)
	BMCB-TX	Tissue from participants undergoing heart transplant surgery
	BMCB-AU	Tissue from participants undergoing autopsy procedure

2.2 INCLUSION/EXCLUSION CRITERIA

Please list the diagnoses below using the **pathology report diagnosis codes** on pg.4.

INCLUSION	
EXCLUSION	
MATCHING	Please check all that apply. <input type="checkbox"/> AGE <input type="checkbox"/> SEX <input type="checkbox"/> OTHER: _____

2.3 TISSUE TYPE

X	CODE	DESCRIPTION
	FF	Flash/snap-frozen, fresh tissue
	OCT	Optimal cutting temperature (OCT) compound-embedded
	FFPE	Formalin-fixed, paraffin-embedded blocks
	RNA	RNA preservative (RNA ^{later} ™ Stabilization Solution)
	BMCB-ALT	Other (<i>please specify</i>):
REGIONS OF INTEREST		
Please list the section codes – pg.4 H1-H27.		

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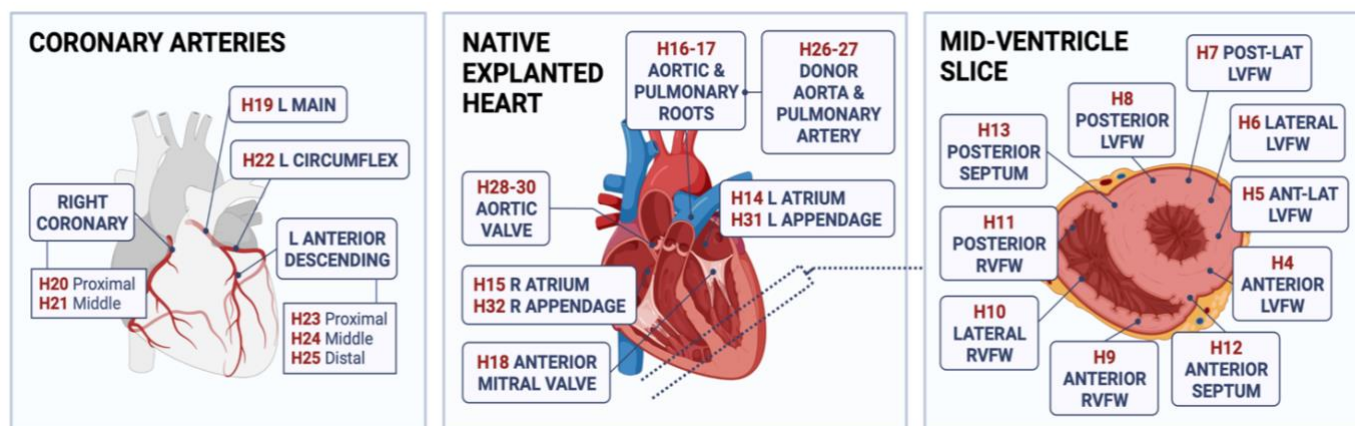
BMCB SAMPLE ACCESS – REFERENCE

Below is a non-exhaustive list of common samples and services that the BMCB provides.

- **Available BMCB specimens:**
 - Explanted failed hearts archived from heart transplants
 - Explanted heart valves – diseased native, failed mechanical/bioprosthetic
 - Samples extracted during open-heart surgery procedures (ex. septal myectomy, endarterectomy, R/LIMA, tumors, atrial appendages, and more)
- **Histopathology:** Unstained tissue sections for future immunohistochemical staining; tissues with special stains (H&E, Trichrome Mason, etc. can be provided)

EXPLANTED HEART - SECTION CODES

Cardiac tissue from the regions of the heart labelled below are procured for every explanted heart. Please refer to regions by their **section code (H#)** shown in red.



PATHOLOGY REPORT DIAGNOSIS CODES

CMO	Cardiomyopathy (<i>please specify: DCM, HCM, RCM, etc.</i>)
CTM	Cardiac tumor/mass
CAV	Cardiac allograft vasculopathy/rejection
CHD	Congenital heart disease (adult)
EPH	Electrophysiological disorders
TOX	Drug/toxicity-related cardiomyopathy
IHD	Ischemic heart disease (incl. CAD)
VAL	Valvular disease
VAS	Vascular/hypertensive disease
INF	Myocarditis/inflammatory heart disease
RHE	Rheumatic heart disease
CTL	Control (normal) hearts

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