

Application for Services

Please review the following Access Restrictions.

- A completed Application for Services must be submitted to the ACH BioCORE.
- Submitted applications will be evaluated by an ACH BioCORE Review Committee.
- All studies must have Research Ethics Board (REB) Approval for human research studies, or Animal Care Committee (ACC) Approval for animal research studies.
- Applications will be evaluated based on the following criteria:
 - Alignment of the research study with BioCORE priority areas
 - REB Approval and Research Study Protocol (required for regulatory compliance)
 - Logistics of fulfilling the requested service(s)
- Biobanking & bioanalysis services are offered on a cost-recovery basis. Costs will depend on the details of your study, including the number and type of samples and which services are desired.
- All applications will be reviewed and we will communicate directly with the applicants to further discuss how the BioCORE can best serve you.
- ACH BioCORE priority research areas include:
 - Clinical studies in the field of Pediatric Neurology
 - Clinical studies in the field of Pediatric Health (other)
 - Animal studies relating to pediatric health
- More information about the ACH BioCORE priority research areas can be found in the ACH BioCORE Policy Document.

Please review the following BioBanking Policies.

- BioCORE personnel will enter research samples into the Freezerworks sample management database, barcode and manage all sample activities (e.g., sample check-in, and check-out for testing).
- Requests to deposit or withdraw samples from the BioCORE must be received a minimum of 48 hours (2 business days) before access is required.
- External researchers (all non-BioCORE personnel) will NOT have direct access to freezers.
- All sample containers must be able to be stored in standardized 2" or 3" storage boxes.
- All samples belonging to a research study are 100% owned by the PI, and the PI has full control of their samples.
- At the end of a research study, the PI may choose to contribute their research samples to the BioCORE's biobank initiative (ensuring appropriate patient consent has been given), have the sample returned back to them, or have the samples disposed of.

Submitting your Application.

➔ Email completed application to: achbiocore@gmail.com

➔ Please enter in the subject line: **“Application for Services”**

Applicant Information

Name (printed) Telephone

Position Email

University Department

Affiliations (enter Yes/No below)

ACHRI AHS Neurology

Is this the first time you've applied for services from the ACH BioCORE?

Research Study Information

Name of Research Study

Research Ethics Board (REB) Protocol #

Describe your research study in a few sentences:

Duration of study (how long will sample collection take)

How long will samples need to be stored (months, years)

Fill out the Table below to provide a summary of your study samples:

Sample type	# Patients	# Samples per patient	# Aliquots per sample	Volume of aliquots	Size of storage vial
Plasma					
Serum					
Urine					
Buffy Coat					
Stool					
CSF					

→ Would you consider contributing your samples to the BioCORE for long-term biobanking when your research study ends (following appropriate patient consent)?

Overview of Services

Please indicate whether you are interested in the Services below by selecting YES/NO.

Biobanking

I. Standard Biobanking

Includes study, patient coding & sample database entry, barcoding, secure -80C freezer storage, unlimited sample transfer activities (sample deposits & withdrawals). This service is charged on a cost-recovery basis, and so costs will depend on the details of the study (e.g., total number of samples).

II. Sample Processing & Biobanking

Includes sample processing at the time of new patient/sample acquisition, such as isolation of plasma from whole blood. This includes creation of aliquots of each sample (up to 10 aliquots per sample). This service is charged on a cost-recovery basis, and costs will depend on the details of the study (kinds of samples, # of samples, and # of aliquots).

III. Temporary Biostorage (< 6 month)

This service is intended to support researchers who may need a temporary location to store research samples before moving them to a final location outside of the BioCORE. Samples will not be barcoded or entered into the sample database. Availability of temporary biostorage cannot be guaranteed upon request. Limited -80C freezer space is available for temporary storage of samples (in standard 2" or 3" boxes only). The time limit for temporary storage will be <6 months.

Multi-Plex Immunoassays

The BioCORE uses the Bio-Rad Bio-Plex® 200 multiplex system. Bio-Plex® assays are available that measure many biological targets involved in: inflammation, disease, cancer, cell signaling, apoptosis, and more. We offer discounted prices for assay kits through our relationship with Bio-Rad. Please let us know which assays you are interested in and we can obtain a quote on your behalf. For a full list of available Immunoassays please visit: <http://www.bio-rad.com/en-ca/category/bio-plex-multiplex-immunoassays?ID=O5BUUA15>

We offer two options for sample analysis: i) instrument training and supervision on the Bio-Plex for those researchers who prefer a 'do-it-yourself' approach, or ii) BioCORE personnel will run your assays for you. Both options are offered on a cost-recovery basis.

Calgary Lab Services

CLS offers many clinical tests that may benefit your research study. The BioCORE can contact CLS on your behalf if you are interested in specific tests as they relate to your study. Please note that CLS has a separate application process that will require a completed application, a one-time administration fee, a research protocol, and an approved REB protocol and certificate.