

**CARDIOVASCULAR HEALTH NETWORK  
MOUSE OR RAT CARDIOVASCULAR PHENOTYPING**

**REQUEST FOR HEMODYNAMIC SERVICES**

For more information contact:

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or Mrs. Manon Laprise (IRCM) at (514) 987-5587 or [laprism@ircm.qc.ca](mailto:laprism@ircm.qc.ca)

Return completed form in pdf to Cécile Nagy : [cecile.nagy@icm-mhi.org](mailto:cecile.nagy@icm-mhi.org)

**A. General Information** (Please print clearly):

Principal Investigator: \_\_\_\_\_ Date of request: \_\_\_\_\_  
Department: \_\_\_\_\_ Institution: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_

Phone : \_\_\_\_\_ Fax : \_\_\_\_\_ E-mail : \_\_\_\_\_

Contact Person, Phone and Cellular: \_\_\_\_\_

Associate Researcher: \_\_\_\_\_ IRCM  ICM  Other

1. Specific cardiac physiologic question to be addressed: This must be completed before request will be considered.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Mouse/rat Strain/Mutation/Transgenic to be studied: \_\_\_\_\_

3. Number of Mice/rat: \_\_\_\_\_

4. Animal Studies Committee Approval Number: \_\_\_\_\_

5. Animal Studies Committee Approval Date: \_\_\_\_\_

**B. Services:**

**Check Services Requested**

The tests 1, 2 and 3 are done at the IRCM on the mice and the rats, at the ICM only on the mice and the test 4 is done at the ICM on the mice.

**1. Measurement of the aortic pressure via the carotid (BP)**

Number :

Carotid pressure measurement with a catheter 1.2F: maximal, minimal and medium pressures.

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**2. Hemodynamics measurement in the left ventricle (PIV)**

Number :

Aortic and ventricle pressure measurements. Recording of systolic, diastolic pressure, +/- dP/dt, tau of the telediastolic pressure. Many other indexes are available upon request.

\_\_\_\_\_

**3. Hemodynamics measurement in the left ventricle (PIV) )+ ECG**

Number :

**a) ICM, mice**

Aortic and ventricle pressure measurements. Recording of systolic, diastolic pressure, +/- dP/dt, tau of the telediastolic pressure. Many other indexes are available upon request.

\_\_\_\_\_

RR, QT measurements and other intervals or segments (upon request).

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**b) IRCM, mice and rat**

Includes surgical cutdown, Millar catheter placement into left ventricle and recording of intra ventricle pressure, +/- dP/dT, ECG and temperature.

The anesthetic is the dropéridol/fentanyl for the rat and the isoflurane for the mouse.

**4. Hemodynamics measurement by pressure-volume recordings (PV)+ECG).**

Number :

Includes all services of 3, plus elasticity, cardiac work and ejection fraction measurement.

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**C. Charges**

To be discussed with Marc-Antoine Gillis or Manon Laprise because the prices may fluctuate according to the particularities of every study.

**D. Terms**

At the IRCM the catheter belong to some investigators. Their consent is requested in order to proceed to a “common analysis”.

I understand the terms and fees for the services and I agree to pay the invoices from the Phenotyping Service of the Cardiovascular Health Network for the services I have requested.

\_\_\_\_\_  
P.I. Signature

\_\_\_\_\_  
Date

Billing contact person: \_\_\_\_\_

Phone \_\_\_\_\_

- Please use the FRSQ and the RSCV to acknowledge this work in publications

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**FINAL BILLING STATEMENT**

Date of the study completed \_\_\_\_\_

Total Charge \_\_\_\_\_

Number of animals which completed full requested protocol \_\_\_\_\_

Amount reduced for the RSCV contribution \_\_\_\_\_

Final Charge \_\_\_\_\_

Technician Initial \_\_\_\_\_