

Common Scientific Platforms - CHU Sainte-Justine Research Center

Fee schedule :

In effect until March 31st 2022

Mother-child Institutional Biobank

Service* (per sample)	Academic	Private Sector
DNA Extraction	\$24.05-\$65.00	\$37.00-\$100.00
DNA Quality Control on Nanodrop	\$1.05	\$1.60
Storage at -80C	\$0.20	\$0.30
Storage in cryocuve (nitrogen)	\$0.55	\$0.80
Preparation and aliquoting of plasma/serum/urine	\$9.65-\$22.70	\$14.85-\$34.90
PBMC isolation	\$37.15-\$66.70	\$57.15-\$102.60

* A range of minimum and maximum prices has been established for certain services and varies according to the volume of samples and the duration of the project. The price will be revised in the bid as needed depending on the specificity of the project.



Platform of Imaging by Microscopy (PIM)

Service	Academic	Private sector
Hourly rate		
Wide-field microscopes	\$15.85	\$36.60
Spinning disk confocal/TIRF	\$33.00	\$76.20
Laser scanning confocals	\$33.00	\$76.20
STED	\$33.00	\$76.20
Multi-photon microscope	\$33.00	\$76.20
Laser micro-dissection	\$23.75	\$54.75
Continuous long term live imaging (>5 h)	On demand	On demand
Slide scanner Axio Scan.Z1	\$15.85	\$36.60
Analysis computers, AWS 1 and 2	Free	Free
Analysis computer AWS 3 (Imaris)	\$7.95	\$18.30
Technical support	\$39.60	\$91.35
Full service (incl. microscope time)	\$197.95	\$456.75
Flat rate		
Axio Scan.Z1 overnight scan	\$52.80	\$121.80
Half-Day Training (2.5 hours): wide field microscopes, laser microdissection, slide scanner	\$138.60	\$319.80
Full-Day Training (5 hours): confocal, STED, light-sheet, multi-photon microscopes	\$362.90	\$837.45

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Shared equipment platform (self-service)

Instrument ¹	Academic	Private sector
Hourly rate		
PhosphorImager Typhoon FLA 9500	\$39.60	\$91.35
Clariostar plate reader ²	\$26.40	\$60.90
Cryostat	\$13.20	\$30.45
Microtome	\$13.20	\$30.45
ChemiDoc MP	\$9.75	\$22.50
Syngene G:BOX Chemi XRQ (Gel box)	\$6.60	\$15.25
Capillary electrophoresis system Agilent (CE)	\$6.60	\$15.25
Rate per plate		
IncuCyte S3 ³ (per 24hr)	\$13.20	\$30.45
LightCycler 96 qPCR	\$29.05	\$67.00
LightCycler 480 qPCR	\$34.05	\$78.55
ddPCR	\$32.50	\$42.25
qPCR CFX	\$29.05	\$67.00
QuantStudio Flex6	\$29.05	\$67.00

¹ Note that special rates for a Large User laboratory are also applied in the activity reports of certain instruments when applicable.

² It is possible to reserve and put in the log sheet the time of use in increments of 15 minutes.

³ From the 6th day of continuous acquisition, the price decreases by 50% for the following days for the same plate.

Pharmacology

Research

Unit

Pharmacology Research Unit (PRU)

Service*	Academic	Private sector
Feasibility study	Personalized prices for each project according to the number of molecules to be assayed, the complexity of the matrix, the number of samples, the duration of the project and the researcher's affiliation (internal, academic, private).	
Bioanalytical Method Development		
Bioanalytical Method Validation (partial or full validation)		
Extraction and sample preparation (liquide-liquide and solide phase extractions)		
Determination of nominal mass		
Accurate mass analysis		

* The client understands and agrees that the services of the platform should not be used to make a clinical diagnosis as part of standard patient care.

Platforms funded by Charles-Bruneau Foundation (FCB)

Flow Cytometry Platform

Service	Academic	Private sector
Training	\$60.00	\$180.00
Acquisition without assistance	\$60.00	\$180.00
Acquisition with assistance	\$100.00	\$100.00
Analysis	\$100.00	\$180.00
Cellular sorting	\$100.00	\$180.00



Genome Editing Platform (CRISPR-Cas9)

Service	Academic**	Private sector	Description
Module 1: Cloning of 3 gRNA in a pLenti + efficiency test (4-5 weeks)	\$2,126.25	On demand	Module 1 Design of 3 gRNA, efficiency test, cloning in a lentiviral vector (pLentiGuide), viral production Estimation: 4-5 weeks)
Module 2a: Knock-out on a cell line*** (3-4 months)	\$3,543.75		Module 2a / 2b (Knock-out) (Module 1 mandatory) Infection with pLentiCas9, western blot Cas9/GAPDH, infection with pLentiGuide, genomic analysis of the population mixture, cloning / sorting selection, analysis Estimation: 3-4 months
Module 2b: Knock-out on iPSC***	On demand		Module 3a / 3b (Knock-in) (Module 1 optional) Design of sgRNA, design of ssODN / plasmid giver, nucleofection of CAS9 RNP + giver, analyse of populational mix, clonal selection and analysis Estimation: 3-6 months
Module 3a: Knock-in / Point mutation on a cell line†‡ (3-6 months)	\$5,575.50		Module 4 Upon receipt of your gRNA sequences: order, amplification, purification and cloning by Gibson of your library, bacterial transformation, extraction Estimation: 4-5 weeks
Module 3b: Knock-in / Point mutation on iPSC†‡	On demand		Gene editing training on iPSC Theoretical and practical learning on your publishing project
Module 4: Library synthesis (4-5 weeks)¶	\$8,295.00		Gene editing training on iPSC
Gene editing training on a cell line	\$315.00		
Gene editing training on iPSC	On demand		

¥ Non-exhaustive grid*
 ** Members of TheCell network are entitled to \$ 500 off the total cost
 *** 10 clones + 1 Ctrl will be analyzed (beyond that, additional costs will be added)
 † 20 clones + 1 Ctrl will be analyzed (beyond that, additional costs will be added)
 ‡ 3 transfections will be performed (beyond that, additional costs will be added)
 ¶ price calculated on the basis of 20,000 gRNA (beyond that, additional costs will be added)
 ¤ Module 1 compulsory



Cell Reprogramming Platform (iPS)

Service	Academic	Private sector
Module 1: Reprogramming of fibroblast/PBMC+ isolation of 2 clones + Immunofluorescence de 4 markers + mutation Sequencing		
	\$3,832.50	On demand
Module 2: Caracterization options		
2-1 G-Banding	\$1,050.00	On demand
2-2 Teratoma n=2/clone	\$630.00	On demand
2-3 SeV clearance	\$157.50	On demand
2-4 hPSC Genetic Analysis	\$210.00	On demand
2-5 Trilineage differentiation	\$262.50	On demand
Module 3: Specific Services		
PBMC Isolation	\$52.50	On demand
Mycoplasma test	\$52.50	On demand
iPSC Expansion	\$262.50	On demand
iPSC basic culture training	\$157.50	On demand
iPSC Differentiation	On demand	On demand

Description			
MODULE 1	Fibroblast/PBMC reprogramation + 2 clone isolations + 4-IF markers + mutation screen		Non-integrating Sendai Virus transduction to deliver Yamanaka factors (Klf4, Oct3/4, Sox2 and cMyc) + 2 clone isolation + IF for OCT4, SOX2, SSEA4, and TRA-1-60 + PCR and sequencing FW and REV of the parental population and each clone and a negative CTL cell line
MODULE 2	Caracterization options	G-Banding	Done in the cytogenetic department of CHUSJ
		Teratoma formation n=2/clone	Injection under renal capsule in NSG mice
		SeV clearance	RT-PCR
		hPSC Genetic Analysis	qPCR analysis kit for detecting the majority of karyotypic abnormalities reported in human ES and iPSC cells
		Trilineage differentiation	Directed differentiation of pluripotent stem cells into ecto-, meso- and endoderm and characterization
MODULE 3	Specific Services	PBMC Isolation	Isolation and storage of PBMC in cryotubes of 2-3.10 ⁶ cells/tube)
		Mycoplasma Test	Colorimetric assay to detect any mycoplasma contamination on conditioned cell media
		iPSC Expansion	Expansion of 2 weeks of the two identified positive clones
		iPSC basic culture training	Thawing, maintenance, passaging and freezing
		iPSC Differentiation	Depending on the cell type of interest: fibroblasts, endothelial cells, pulmonary progenitor cells, neural stem cells, astrocytes, neurons, NK cells, CD34+, myogenic progenitor cells

-All prices are for 2 clones, additional charges are applied for additional clones
 - \$ 500 discount for researchers who are members of the ThéCell network

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Humanized Mice Platform

Service	Academic	Private sector
Mouse (non-humanized)	\$21.00	\$40.00
Per Diem	2,10\$/cage/day	4\$/cage/day
Technical time	\$42/hr	\$80/hr
Consultation	\$60/hr	\$100/hr
Humanized mouse (huNSG)	On demand	On demand
Humanized mouse BLT	On demand	On demand

Mass Spectrometry

Service*	Academic	Private sector
1. Reagents		
	On demand	On demand
2. Technical time		
Sample preparation	On demand	On demand
Instrument time	On demand	On demand
3. Peptides Identification		
Data base identification software	On demand	On demand
MVP analysis and quality control of results	On demand	On demand
Total per sample		

Service - Proteomic

Service* (per sample)	Academic	Private sector
1. Reagents		
	On demand	On demand
2. Technical time		
Sample preparation	On demand	On demand
Instrument time	On demand	On demand
3. Peptides Identification		
Data base identification software	On demand	On demand
Total per sample		

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