

Scientific Platforms - CHU Sainte-Justine Research Center



Fee schedule:

Effective from July 1st 2023 to March 31st 2024

Mother-Child Institutional Biobank

Update of the fees regarding the current cost of consumables

Service*	CR-CHUSJ	Academic	Private Sector
DNA Extraction	\$18,50-\$58,75	\$24,05-\$76,40	\$37,00-\$117,50
DNA Quality Control on Nanodrop	\$0,80	\$1,05	\$1,60
Storage at -80C	\$0,20	\$0,20	\$0,40
Storage in cryocuve (nitrogen)	\$0,45	\$0,45	\$0,90
Preparation and aliquoting of plasma/serum/urine	\$7,40-\$17,45	\$9,60-\$22,70	\$14,80-\$34,90
PBMC isolation	\$28,55-\$60,85	\$37,15-\$79,10	\$57,12-\$121,70

* 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)

Rates indexed by 5% - Effective from July 1st, 2023

Service	CR-CHUSJ	Academic	Private Sector	Heavy user
Hourly rate				
Wide-field microscopes	\$13,05	\$16,95	\$39,15	\$9,15
Spinning disk confocal/TIRF	\$27,20	\$35,35	\$81,60	\$19,05
Laser scanning confocals	\$27,20	\$35,35	\$81,60	\$19,05
STED	\$27,20	\$35,35	\$81,60	\$19,05
Multi-photon microscope	\$27,20	\$35,35	\$81,60	\$19,05
Laser micro-dissection	\$19,55	\$25,40	\$58,65	\$13,70
Continuous long term live imaging (>5 h)	\$2,20	\$2,85	\$6,60	\$1,55
Slide scanner Axio Scan.Z1	\$13,05	\$16,95	\$39,15	\$9,15
Analysis computers, AWS 1 and 2	Sans frais	Sans frais	Sans frais	Sans frais
Analysis computer AWS 3 (Imaris)	\$6,50	\$8,45	\$19,50	\$4,55
Technical support	\$32,60	\$42,40	\$97,80	\$22,80
Full service (incl. microscope time)	\$163,05	\$211,95	\$489,15	\$114,15
Flat rate				
Axio Scan.Z1 overnight scan	\$43,45	\$56,50	\$130,35	\$30,40
Half-Day Training (2.5 hours): wide field microscopes, laser microdissection, slide scanner	\$114,20	\$148,45	\$342,60	\$79,95
Full-Day Training (5 hours): confocal, STED, light-sheet, multi-photon microscopes	\$299,00	\$388,70	\$897,00	\$209,30



Shared equipment platform (self-service)

Rates indexed by 10% - Effective from July 1st 2023

Instrument ¹	CRCHUSJ	Academic	Private Sector
Hourly rate			
Phosphorimager Typhoon FLA 9500	\$34,15	\$44,45	\$102,50
Clariostar plate reader ²	\$22,80	\$29,60	\$68,35
Cryostat	\$11,40	\$14,80	\$34,15
Microtome	\$11,40	\$14,80	\$34,15
ChemiDoc	\$8,40	\$10,95	\$24,25
ChemiDoc MP	\$8,40	\$10,95	\$24,25
Syngene G:BOX Chemi XRQ (Gel box)	\$5,70	\$7,40	\$171,10
Capillary electrophoresis system Agilent (CE)	\$5,70	\$7,40	\$171,10
Rate per plate			
IncuCyte S3 (and per 24hr)	\$11,40	\$14,80	\$34,15
LightCycler 96 qPCR	\$25,10	\$32,60	\$75,15
LightCycler 480 qPCR	\$29,40	\$38,20	\$88,15
ddPCR	\$28,05	\$36,45	\$47,40
qPCR CFX	\$25,10	\$32,60	\$75,15
QuantStudio Flex6	\$25,10	\$32,60	\$75,15

¹ The rates presented may be subject to change for the period covered. The usage discounts applied in the past years are no longer applicable for the cryostat, LC96 and incucyte categories.

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

Pharmacology Research Unit (PRU)

Effective from July 1st 2023

Service*	
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.

Pharmacology

Research

Unit

Platforms funded by Charles-Bruneau Foundation (FCB)

Bioinformatics analyzes of single-cell sequencing – Bioinformatics of cellular complexity (Unicellular Genomics of Cancer)

Effective from July 1st 2023

Service (taux horaire)	Hemato-oncology projects	CR-CHUSJ	Academic	Private sector
Consultation	Free	Free	Free	Upon request
Consumables and kits	market price	market price	market price	Upon request
Technical time*	\$10	\$45	\$60	Upon request
Basic analytical time*	\$10	\$45	\$60	Upon request
Advanced analytical time*	\$30	\$60	\$60	Upon request

***Technical time:**

- Samples evaluation (viability, counts);
- Samples staining (multiplex);
- Single cell preparation;
- Sequencing libraries preparation;
- Submission of sequencing libraries to Genome Quebec.

***Basic analytical time:**

- Generate count matrix from FASTQs;
- Demultiplexing;
- Quality control and data cleaning;
- Preliminary identification of cell groups ;
- Results delivery.

***Advanced analytical time:** Any additional analysis performed on the dataset attached to the initial quotation.

Flow Cytometry

Effective from July 1st 2023

Service	Hemato-oncology projects	CR-CHUSJ	Academic	Private sector
Training	\$20	\$60	\$80	\$200
Acquisition without assistance (FACS BD)	\$10	\$30	\$70	\$120
Acquisition sans assistance (FACS SONY ID7000)	\$10	\$30	\$80	\$140
Acquisition with assistance	\$60	\$60	\$110	\$200
Analysis	\$60	\$60	\$110	\$200
Cell sorting with assistance	\$20	\$60	\$110	\$200
Cell sorting with assistance (SONY MA900 only)	\$10	\$30	\$70	\$120
Nozzle (SONY MA900)	\$37/sorting			

Genome editing (CRISPR-Cas9)



Effective from July 1st 2023

Update of the fees regarding the current cost of consumables

PI CR-CHUSJ									
Project	Goal	Cell type	Technic	gRNA nbr	Price*				
					Compagny	Academic	CHUSJ	FCB	
Knock-out (code: KO)	Indel (code: Indel)	Cell line (code: cell) For iPSC, see the specific table	Constitutive CRISPR-Cas9 (code: cons)	1		4259**	3650	1622	
			CRISPR-Cas9 RNP (code: RNP)	1	On demand	4059**	3479	1546	
Knock-down (code: KD)	inhibition de mRNA ou ncRNA		Constitutive CRISPR-Cas13 (code: cas13) / shRNA (code: sh)	3		4259	3650	1622	
			CRISPR-Cas9 RNP (code: RNP)**	1	On demand	4059** + Donn [©]	3479 + Donn [©]	1546 + Donn [©]	
Knock-in (code: KI)	Mutation ponctuelle (code: SNP)		CRISPR-Cas9 RNP (code: RNP)	1		5985 (+ Dsg + Donn [©] if a donor plasmid is needed)	5130 (+ Dsg + Donn [©] if a donor plasmid is needed)	2280 (+ Dsg + Donn [©] if a donor plasmid is needed)	
			Prime Editing (code: PE)	10		6200	5315	2362	
			Base Editing (code: BE)	1		3130	2683	1192	
Library (code: Lib)	Library + screening		CRISPR-i/CRISPR-a	NA		12894	11052	4912	
Training (code: F)	Theory (code: Théo)		NA	Free	NA	On demand	10% of the price of your project if this last one was did by the platform		
Training (code: F)	Practice (code: Pra)		Cell line (code: cell)	Free	NA		Add 15% on the bill		
Off-targets check-up (code: off)	NA	NA	PCR + sequencing	5	On demand	441	378	168	
Mycoplasma test (code: Myc)	NA	NA	Photometry	1		52,5	50	50	
Synthèse de plasmid (code: Donn)***	Knock-in	NA	Cloning	1	On demand	1143	980	436	
Design and test of 3 gRNA (code: Desg)	NA	NA	Cloning	3	On demand	2310	1980	880	
Consultation [#]	NA	NA	NA	1h	On demand	52,5	45	20	
Plasmid sample (code: P)	NA	NA	NA	1		105	90	40	

* Taxes not included. An additional discount of \$500/project can be added to Réseau ThéCell members (limited offer : 2/year/PI)

** Add the Desg service to know the final cost

*** Minimum price

© The donor price can be higher, depending of its complexity

First consultation is free (1h)

Reprogrammation cellulaire (iPS)

Effective from July 1st 2023

Update of the fees regarding the current cost of consumables

		Hemato-oncology projects	CR-CHUSJ	Academic**	Private sector
Fibroblast/PBMC reprogramming + 2 clone isolation + 4-Marker IF + Mutation screen*		\$1 350,00	\$3 150,00	\$4 500,00	\$4 725,00
Characterization options **	G-Banding	\$1 400,00	\$1 400,00	\$1 400,00	\$1 470,00
	Teratoma formation n=2/clone	\$255,00	\$595,00	\$850,00	\$892,50
	SeV detection (2 clones)	\$51,00	\$119,00	\$170,00	\$178,50
	hPSC Genetic Analysis (2 clones)	\$72,00	\$168,00	\$240,00	\$262,50
	Embryoid body formation	\$78,00	\$182,00	\$260,00	\$273,00
	Trilineage differentiation	\$81,00	\$189,00	\$270,00	\$283,50
Specific services	PBMC isolation (Ficoll)/sample	\$50,00	\$50,00	\$50,00	\$52,50
	Mycoplasma Test ***/sample	\$50,00	\$50,00	\$50,00	\$52,50
	iPSC expansion (i.e. Sev clearance/sample)	\$350,00	\$350,00	\$350,00	\$367,50
	iPSC basic culture training/2 persons max	\$60,00	\$140,00	\$200,00	\$210,00
	iPSC differentiation	Upon request	Upon request	Upon request	Upon request



Service	Description	
Fibroblast/PBMC reprogramming + 2 clone isolation + 4-Marker IF + Mutation screen*	PBMC isolation and/or priming with cytokines or fibroblast expansion + non-integrating Sendai Virus transduction to deliver Yamanaka factors (Klf4, Oct3/4, Sox2 and cMyc) + 2 clone isolation and expansion + 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 ctrl cell line.	
Characterization options **	G-Banding	Done in the cytogenetic department of CHUSJ.
	Teratoma formation n=2/clone	Cell expansion to P15, injection with matrigel under the renal capsule of NSG mice, mice housing for 8 weeks, sacrifice and section preparation, HE coloration and slide scan.
	SeV detection (2 clones)	RT-PCR detection of the SeV RNA.
	hPSC Genetic Analysis (2 clones)	qPCR analysis for detecting the majority of karyotypic abnormalities reported in human ES and iPSC cells.
	Embryoid body formation	EB formation (96-well plate) and plating on matrigel (6-well plate).
	Trilineage differentiation	Directed differentiation of pluripotent stem cells into ecto-, meso- and endoderm and characterization.
Specific services	PBMC isolation (Ficoll)/sample	PBMC isolation and banking as cryovials of 2-3.10 ⁶ cells/tube).
	Mycoplasma Test ***/sample	Colorimetric assay to detect any mycoplasma contamination on the conditioned media of the cells.
	iPSC expansion (i.e. Sev clearance/sample)	2-week expansion of one clone, passing and freezing in 6 cryovials (1.10 ⁶ cells/cryovial).
	iPSC basic culture training/2 persons max	An appointment must be established in advance with the manager, the training covers cell thawing, passage in aggregates and single cells, maintenance and freezing.
iPSC differentiation	Depending on cell-type of interest: fibroblasts, endothelial cells, lung progenitor cells, neural stem cells, etc.	

* Seulement pour des cellules de patients avec une mutation rapportée - les oligo spécifiques à chaque mutation sont fournis par le chercheur

** Pour 2 clones, des frais sont appliqués pour les clones additionnels

*** Pour un (1) échantillon seulement

Humanized mice Platform

Effective from July 1st 2023

Service	Hemato-oncology projects	CR-CHUSJ	Academic	Private sector
Mouse (non-humanized)	\$7,50	\$13,75	\$23,00	\$46,00
Per Diem	\$1/cage/day	\$1/cage/day	Upon request	Upon request
Technical time	\$20/hr	\$41/hr	\$45/hr	\$90/hr
Consultation	2\$7/hr	\$55/hr	\$80/hr	\$160/hr
Humanized mouse (huNSG)	Upon request	Upon request	Upon request	Upon request
Humanized mouse BLT	Upon request	Upon request	Upon request	Upon request



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