***Please fill the document with the desired services/options and return it back to get a specific quote prepared***

**Service Request**

**July 1st, 2023 – March 31th, 2024**



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| --- |
| **PI informations** |
| **PI:**  |
| Affiliation: |  |
| Research axis:  |  |
| e-mail:  |  |
| ext:  |  |
| **Contact:**  |
| e-mail:  |  |
| ext:  |  |
| **Project informations** |
| **Project title:**  |  |
| **Funding source:** |  | **Quantity:** |   |
| **Budget code :** |  | **Sample ID:** |  |  |
| **Hemato-oncology project Ϯ?**  |  | **Cell type:** |  |  |
| **ThéCell network member ϮϮ?**  |   | **Mycoplasma test:** |  |  |

**Reprogramming prices (Effective from July 1st, 2023 until March 31th, 2024)**

* *Basic Module 1: PBMC isolation and priming with cytokines/fibroblast expansion + 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. 8-10 weeks.*
* *Karyotype: months, depending on the cytogenetic department availabilities*
* *Teratoma formation: cell expansion to P15, injection under renal capsule in NSG mice, mice housing for 8 weeks, sacrifice and section preparation, HE coloration and slide scan. 12 weeks.*
* *SeV detection: RT-PCR analysis for detecting the SeV genome in the iPSC clones (P6). 1 week. Note that the service does not include the expansion to P10 for the SeV clearance.*
* *Genetic analysis: qPCR analysis for detecting the majority of karyotypic abnormalities reported in human ES and iPS cells. 2 weeks.*
* *Embryoid body formation: EB formation (96-well plate) and plating on matrigel (6-well plate). 1 week.*
* *Trilineage differentiation: directed differentiation of pluripotent stem cells into ecto-, meso- and endoderm and characterization. 2 weeks.*
* *PBMC isolation and freezing (Ficoll): PBMC isolation and banking as cryovials of 2-3.106 cells/tube)*
* *Mycoplasma Test: Colorimetric assay to detect any mycoplasma contamination on the conditioned media of the cells*
* *iPSC expansion and freezing: iPSC thawing, expansion during 2 weeks and freezing in 6 cryovials (1.106 cells/cryovial)*
* *iPSC basic culture training: thawing, maintenance, passaging and freezing. 2-3 hours.*
* *iPSC differentiation: depending on cell-type of interest: fibroblasts, endothelial cells, lung progenitor cells, neural stem cells, astrocytes, neurons, NK cells, CD34+, myogenic progenitor cells*

|  |  |  |  |
| --- | --- | --- | --- |
| **Module** | **Service** | **Description** | **Prices** |
| **Onco-Hemato projects** *Ϯ Ϯ* | **CHUSJ** *Ϯ* | **Academic** | **Industry** |
| **MODULE 1** | Fibroblast/PBMC reprogramming + 2 cloneisolation + 4-Marker IF + Mutation screen \* |  | **1350** | **3150** | **4725** | On demand |
| **MODULE 2** | Characterizationoptions \*\* | G-Banding |  | **1400** | **1400** | **1470** | On demand |
| Teratoma formation n=2/clone |  | **255** | **595** | **982,5** | On demand |
| SeV clearance |  | **51** | **119** | **178,5** | On demand |
| hPSC Genetic Analysis |  | **72** | **168** | **262,5** | On demand |
| Embryoid body formation |  | **78** | **182** | **273** | On demand |
| Trilineage differentiation |  | **81** | **189** | **283,5** | On demand |
| **MODULE 3** | Specific services \*\*\* | PBMC isolation and freezing (Ficoll) |  | **50** | **50** | **52,5** | On demand |
| Mycoplasma Test |  | **50** | **50** | **52,5** | On demand |
| iPSC expansion and freezing |  | **350** | **350** | **367,5** | On demand |
| iPSC basic culture training |  | **60** | **140** | **210** | On demand |
| iPSC differentiation |  | On demand |

*\* only for patient cells with a reported mutation - mutation-specific primer sets must be provided by the lab*

*\*\* For 2 clones, extra fees are applied for additional clones*

*\*\*\* For one sample*

 *Ϯ 70% off for hemato-oncology projects (included)*

*Ϯ Ϯ 30% off for CHUSJ PI (included)*

*500$ OFF for researchers members of le réseau ThéCell* *(250$/project and maximum/year)*