COST Action CA15203 **MitoEAGLE**
**E**volution - **A**ge - **G**ender - **L**ifestyle – **E**nvironment: mitochondrial fitness mapping

**Network discussion forum: cytochrome *c* effect (2018-05-17)**

Within the framework of [MitoEAGLE](http://www.mitoeagle.org), we would appreciate your contribution in sending us your comments and reference values obtained in your own specific model(s) (control group(s)) regarding the cytochrome *c* effect. We will make all contributions available to the community through the MitoEAGLE website. Detailed information can be found under: [http://www.mitoeagle.org/index.php/Talk:WG1\_MitoEAGLE\_protocols,\_terminology,\_documentation](http://www.mitoeagle.org/index.php/Talk%3AWG1_MitoEAGLE_protocols%2C_terminology%2C_documentation)

Please fill out the questionnaire and send it to carolina.doerrier@oroboros.at

Thank you very much for your contribution.

|  |  |
| --- | --- |
| Contact name |  |
| Country/ City |  |
| Contact E-Mail |  |
|  |
| Species |  |
|  | Female | Male |
| **Select gender** |  |  |
| **Tissue (or cell line)** |  |
| *Info*: **imt**: isolated mitochondria; **pce**: permeabilized cells; **pti**: permeabilized tissue; **pfi**: permeabilized muscle fibers; **thom**: tissue homogenate | **imt** | **pce** | **pti** | **pfi** | **thom** |
| **Select mt-preparation (mt-prep)** |  |  |  |  |  |
| *Info*: ET-pathway state(**N**: NADH; S: succinate; **NS**: NADH&succinate; **F**: FAO) | N | S | NS | F |  |
| Substrates\*1 | **PM** | **PGM** | **GM** | **S(Rot)** | **PGMS** | **OctM** | **PalM** | **Other** |
| **Select substrates used for cytochrome *c* effect evaluation** |  |  |  |  |  |  |  |  |
| **Coupling control state** | **OXPHOS** | **ET** |
| **Select coupling control state used for cytochrome *c* effect evaluation** |  |  |
| ***N* (number of mt-prep used for cytochrome *c* effect evaluation)** |  |
| **Cytochrome *c* effect, expressed as FCF*c*\*2 (ideally median and interquartile range)** |  |
| Note\*1. Substrate combination abbreviations: PM (pyruvate and malate); PGM (pyruvate, glutamate and malate); GM (glutamate and malate); SRot (succinate and rotenone); PGMS (pyruvate, glutamate, malate and succinate); OctM (octanoylcarnitine and malate); PalM (palmitoylcarnitine and malate).**Note\*2.** To harmonize our results, please provide us the FCF*c*\* (median and interquartile range).**FCF*c* calculation:** = (Oxygen consumption after cytochrome *c* addition - Oxygen consumption before cytochrome *c* addition)/ Oxygen consumption after cytochrome *c* additionFor detailed information to cytochrome *c* effect calculation, please see:[http://www.mitoeagle.org/index.php/Talk:WG1\_MitoEAGLE\_protocols,\_terminology,\_documentation](http://www.mitoeagle.org/index.php/Talk%3AWG1_MitoEAGLE_protocols%2C_terminology%2C_documentation)<http://bioblast.at/index.php/Cytochrome_c_control_factor>Comments (*any remarks and/or constructive comments are welcome*): |