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**SUIT reference protocol RP2mt**

**O2k high-resolution respirometry**

 2016-07-01

 D+mt: NFSGpTm\_1D 2Oct 3M 4c 5P 6G 7S 8Gp 9U 10Rot 11Ama 12Tm 13Azd

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| **O2k and DatLab file: P**\_\_\_ ( A / B ) 2016- Operator:Sample type: Cohort: Sample code:Sample.Subsample number: Unit: Concentration: Medium:  |
| --- |
| **Event** | **Mark name** | **State** | **Final conc. 2 ml O2k**  | **Stock****[mM]** | **Comment** | **Tit.****[µl]** | **A** | **B** |
| **MiR** |  |  |  |  |  |  |  |  |
| **O2** |  |  | ~200 µM |  | ~450 µM for Pfi |  |  |  |
| **D** | **0** |  | 2.5 mM | 500 | 7.5 mM (30 µl) for Pfi | 10 |  |  |
| **mt** |  |  |  |  |  |  |  |  |
| **O2** | **1D** | ROX | ~200 µM |  | ~450 µM for Pfi |  |  |  |
| **Oct**  | **2Oct** | Oct | 0.5 mM | 100 |  | 10 |  |  |
| **M.05** | **3M.05** | Oct*P* | 0.05 mM | 50 |  | 2 |  |  |
| **M.1** | **3M.1** | Oct*P* | 0.1 mM | 50 |  | 2 |  |  |
| **M2** | **3M2** | Oct*P* | 2 mM | 400 |  | 9.5 |  |  |
| **c**  | **4c** | Oct*P*c | 10 µM | 4 | NADH only if *FCFc* >.1  | 5 |  |  |
| **P**  | **5P** | PMOct*P* | 5 mM | 2000 |  | 5 |  |  |
| **G**  | **6G** | PGMOct*P* | 10 mM | 2000 |  | 10 |  |  |
| **S** | **7S** | PGMSOct*P* | 50 mM | 1000 |  | 100 |  |  |
| **Gp** | **8Gp** | PGMSOctGp*P* | 10 mM | 1000 |  | 20  |  |  |
| **U**  | **9U** | PGMSOctGp*E* | Δ0.5 µM | 1 | CCCP | Δ1  |  |  |
| **Rot**  | **10Rot** | SGp*E* | 0.5 µM | 1 |  | 1 |  |  |
| **Ama**  | **11Ama** | ROX | 2.5 µM | 5 |  | 1 |  |  |
| **As** |  |  | 2 mM | 800 |  | 5 |  |  |
| **Tm** |  |  | 0.5 mM | 200 | ~20 min open, C | 5 |  |  |
| **C** | **12Tm** | Tm*E* |  |  | ~450 µM O2 for Pfi, C |  |  |  |
| **Azd**  | **13Azd** | ROX | ≥100 mM | 4000 | ~5 min  | 100 |  |  |
|  |  |  |  |  |  |  |  |  |