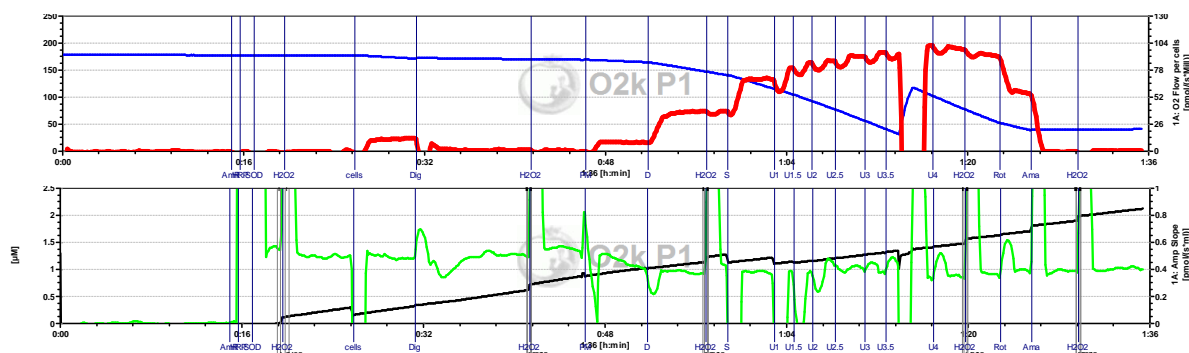


## O2k high-resolution respirometry and H<sub>2</sub>O<sub>2</sub> production: permeabilized cells



ROUTINE	CI	CI	CI&II	CII	
			PGMS_E	S_E	ETS (E)
R	PM_P	PGM_P	PGMS_P		OXPHOS (P)
	PM_L				LEAK (L)
	PM	PGM	PGMS	S	

### Permeabilized cells SUIT protocol

**Medium: MiR05** Air calibration,  
close chamber

**AmR** 10 mM stock – 10 µM f.c.

**HRP** 500 U HRP/ml stock – 1 U/ml f.c.

**SOD** 5 U/ml f.c.

**H<sub>2</sub>O<sub>2</sub>** 40 µM stock – 0.1 µM f.c.

**add cells** (ROUTINE)

**Dig** 5 mg/ml stock – 10 µg/ml f.c.

**Wait ca. 5 -10min**

**H<sub>2</sub>O<sub>2</sub>** 40 µM stock – 0.1 µM f.c.

**P** 2M stock – 5 mM f.c.

**M** 0.4 M stock – 2 mM f.c.

**D** 0.5 M stock – 2.5 mM f.c.

**H<sub>2</sub>O<sub>2</sub>** 40 µM stock – 0.1 µM f.c.

**G** 2 M stock – 10 mM f.c.

**S** 1 M stock – 10 mM f.c.

**U, CCCP** 1 mM stock – 0.5 – 5 µM f.c.

**H<sub>2</sub>O<sub>2</sub>** 40 µM stock – 0.1 µM f.c.

**Rot** 1mM stock – 0.5 µM f.c.

**Ama** 5 mM stock – 2.5 µM f.c.

Exp./O2k	Chamber	
V add (µl)	A	B
2 µl		
4 µl		
2 µl		
5 µl steps		
4 µl		
5 µl steps		
5 µl		
10 µl		
10 µl		
5 µl steps		
10 µl		
20 µl		
1 µl steps		
5 µl steps		
1 µl		
1 µl		