

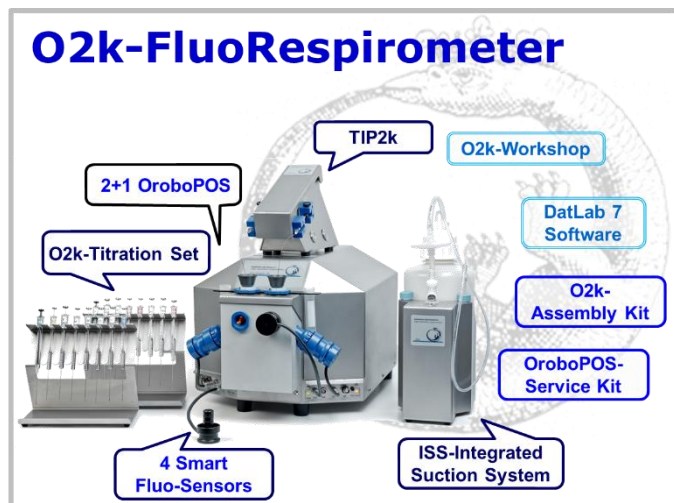
For all O2k users

Oroboros developed the advanced DatLab 7 software, featuring new dimensions in:

- DL-Protocols: support in line with MitoPedia
» <http://www.bioblast.at/index.php/MitoPedia: SUIT>
- Data acquisition & analysis for HRFR: context-sensitive help
» <http://wiki.orooboros.at/index.php/MitoPedia: DatLab>
- Quality control, traceability

Two-in-one

- DatLab 7 is optimized for High-Resolution FluoRespirometry (HRFR) – two techniques combined in each of the two O2k-chambers
- Matching O2k hardware and software
- DatLab 7 supports all



O2k configurations and files generated in previous DatLab versions.

DL-Protocols

A selected DL-Protocol defines the sequence of Events and Marks, and provides instructions on titrations in substrate-uncoupler-inhibitor titration (SUIT) protocols or cleaning, calibrations and instrumental background tests.

Standardized DL-Protocols:

An expanding collection of standardized DL-Protocols is available. While the titration steps of these SUIT protocols are fixed, the titration volumes and final concentrations can be adjusted and exported as a customized DL-Protocol by the user.

Why standardized DL-Protocols? For generating a database on mitochondrial respiratory physiology, however, standardized protocols are a requirement. In view of the variety of mitochondrial respiratory control patterns between species, tissues and cell types, and the diversity of specific questions

Protocol	Experiment	Calibration	Flux / Slope
<input checked="" type="checkbox"/>	Show DL-Protocol		
	Synchronous DL-Protocol events		
	O2 cleaning		>
	O2 calibration		>
	O2 background		>
	Set DL-Protocol / O2 limit		

