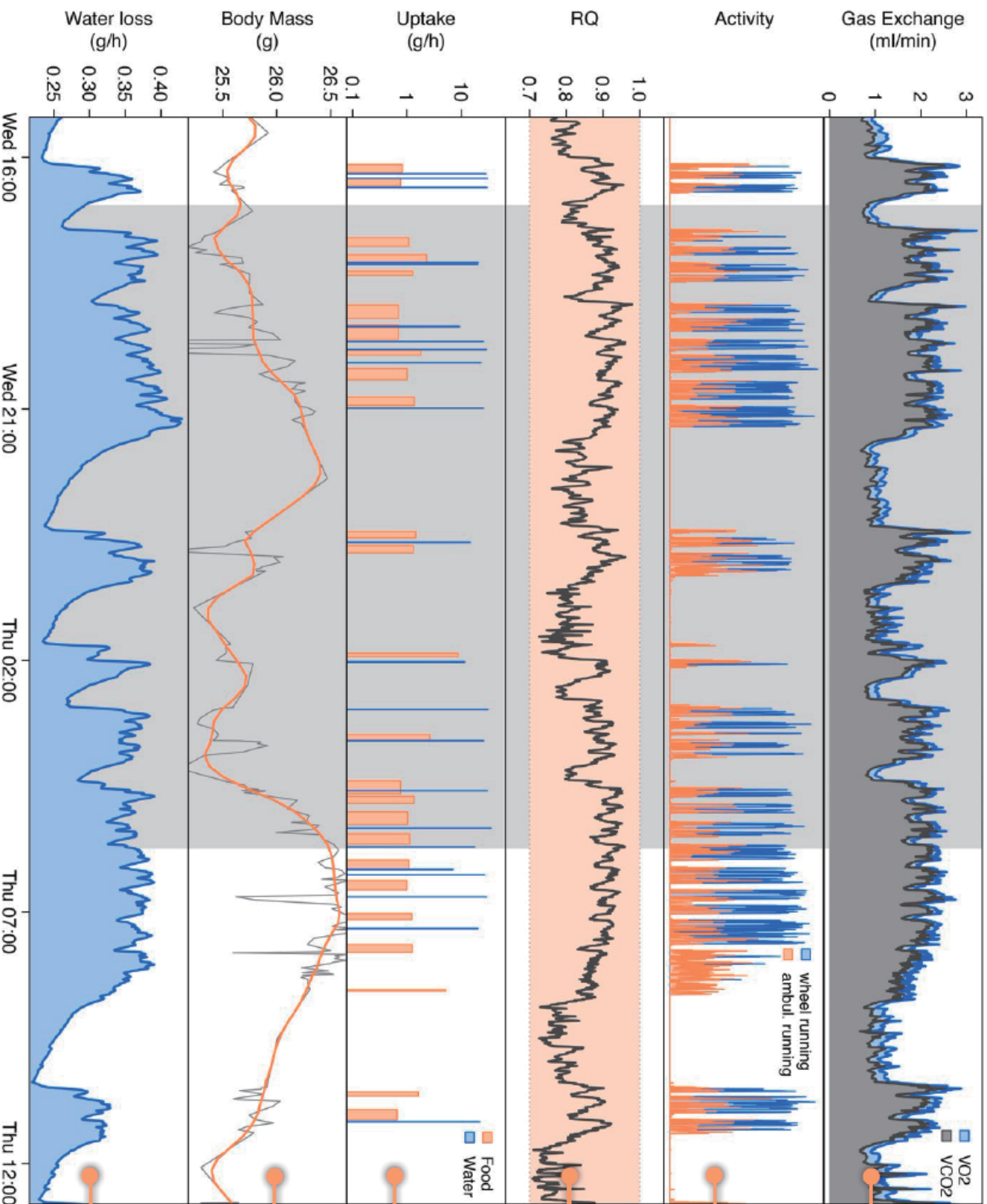


PROMETHION. THE NEW STANDARD.



氣體交換氣 Gas Exchange

代謝測量是Promethion的主要功能之一，我們精緻設計的氣體分析器，可準確且即時測得待測動物的氧氣消耗和二氧化碳生成量。

活動力監測 Activity Monitoring

Promethion的活動感應器可準確提供代謝率與活動力的關聯性數據。

呼吸商 RQ

即時測得能量來源之變化。鼠隻燃燒本身的儲存脂肪或者短期運動會啟動 carbon-hydrate catabolism。

飲食/飲水量 Food and water uptake
飼料和飲水的測量採分開測量模式，不會因為鼠籠內的濕氣而造成飼料及飲水秤重受影響。

體重變化 Body mass

不須要複雜的數學計算，可以立即看到飲食飲水對體重的變化的影響。

水份散失 Water loss

市面上目前只有Promethion可以測量水份散失率。

PROMETHION. VERSATILE METABOLIC MEASUREMENT.



Calorimetry
Sable Systems has spent the last 25 years developing instrumentation that improves the investigator's ability to acquire calorimetry data. Promethion combines Sable Systems' expertise in animal respirometry, instrument design, and system integration to create turnkey systems for biomedical research.



Integrated Tri-Gas Analyzers
The accurate, fast responding Promethion Tri-Gas Analyzer simultaneously measures water vapor, oxygen, and carbon dioxide. Its automated corrections for the effects of drift and water vapor dilution require no scrubber chemicals.



Intelligent, Automated Flow Control
Optimized for pull mode respirometry, the Promethion pull flow controllers continuously orchestrate multiple flow channels and are calibrated against NIST-traceable flow standards.



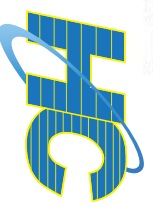
Multiplexed or Continuous Metabolic Monitoring
Promethion systems can be configured either in multiplexed mode, sharing gas analyzers and thus reducing overall system costs, or in truly parallel and continuous mode with the highest level of metabolic detail possible.



Simultaneous 128-Cage Integration
Promethion mouse or rat cages can be used individually or in sets of up to 128. Available sensors include food and water monitors, food access control, environmental monitors, and activity sensors. All sensors in all cages are recorded continuously to create the richest possible data set.



Synchronous Behavior Monitoring
Wheal monitoring and networked infrared arrays are available for mouse and rat cages allowing collection of beam break counts, position, distance traveled, and rearing data.



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