

Easily calculate the cardiac output of animals using the Thermodilution technique.

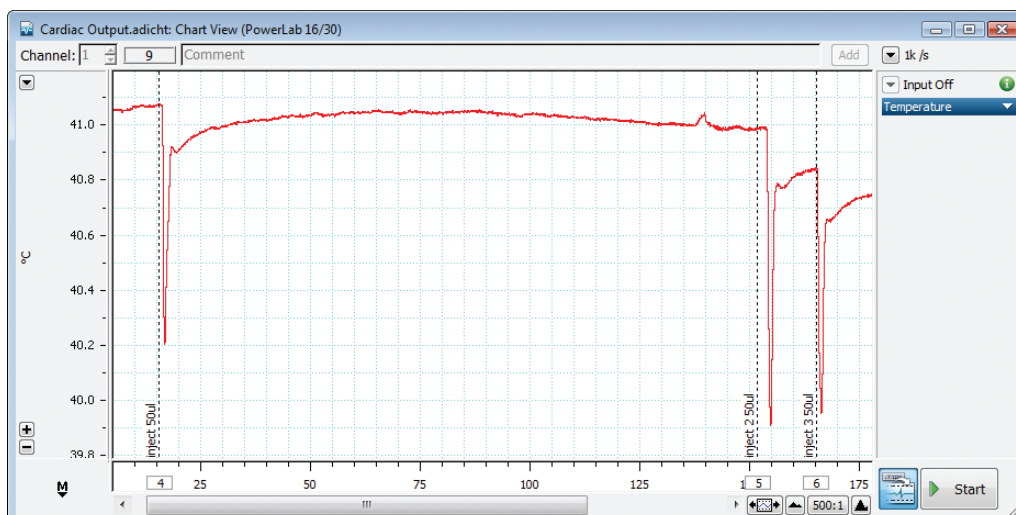
The Cardiac Output Module for LabChart allows selection of recorded change in the temperature data due to thermodilution, and automatically calculates the cardiac output, which is inversely proportional to the area under the thermodilution curve.

Customize your analysis parameters to reflect injection temperature and volume, baseline slope correction, and temperature tail-fitting limits that suit your animals. Suitable for even small animals, such as rats and mice. LabChart software also allows you to add comments in Chart View to mark injection times.

Export calculated values to LabChart Data Pad or other software for further analysis.

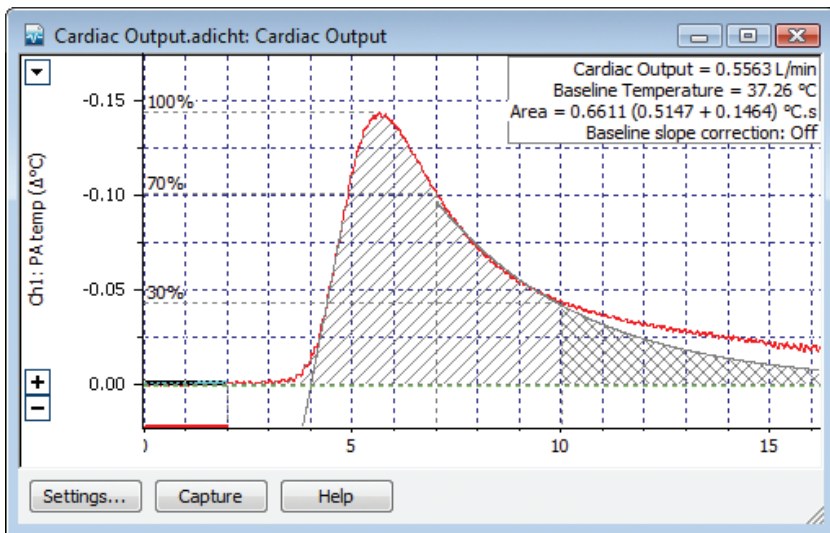
Applications

- Cardiac Output Assessment
- Cardiac Hemodynamic Monitoring
- Cardiovascular Physiology
- Hypertension
- Drug Studies

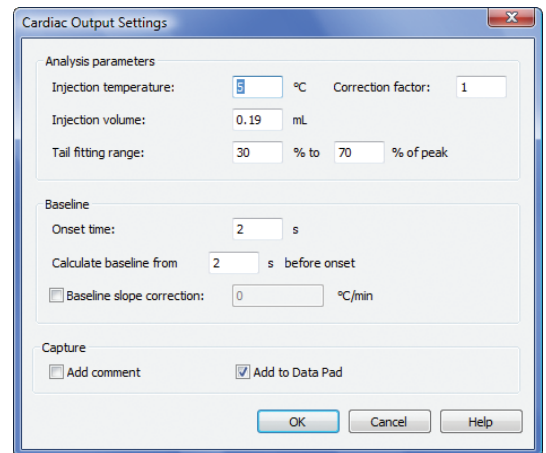


Left: With each injection of cold saline into a small animal, LabChart records the thermodilution curve and calculates the cardiac output.





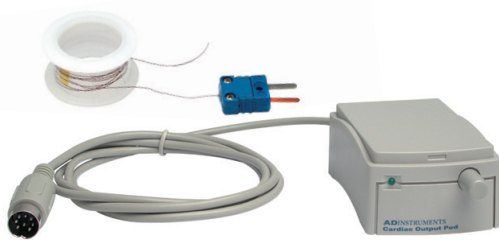
Above: The Cardiac Output window showing baseline temperature, areas under the thermodilution curve, and cardiac output values.



Above: Change your analysis parameters in the Cardiac Output Settings dialog.

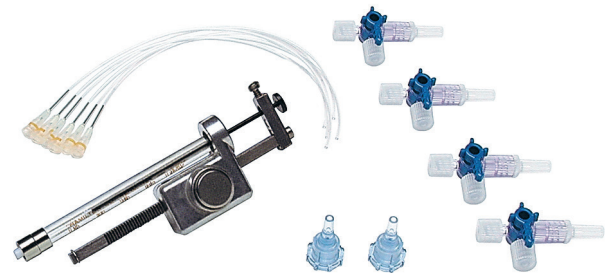
Cardiac Output Products

ADInstruments provides a complete range of products compatible with the Cardiac Output module, including data acquisition systems, signal conditioners, thermocouple probes, and accessories. Combine the LabChart Cardiac Output module with the Cardiac Output Pod and Accessory Kit.



Cardiac Output Pod

Determine cardiac output in small animals, with or without the thermocouple probe. We recommend the Ultra-fast T-type Thermocouple Probe, with a response time of 0.005 seconds for accurate measurements. A Pod Expander and Front End Interface are required when connecting pods to PowerLab C.



Cardiac Output Accessory Kit

Deliver injectate accurately and in a reproducible manner with our accessory kit for small animals. The Accessory Kit includes catheters, taps, and an injectate syringe with a repeating dispenser.

Ordering Information

The Cardiac Output Module for LabChart can be purchased individually as an Add-On for LabChart 8 (MLS340/8, Windows), or as part of LabChart Pro (MLS260/8).

LabChart Pro includes LabChart software and all LabChart Modules, providing powerful data acquisition and analysis capabilities (available for Windows or Mac).

PowerLab C

High-performance data acquisition hardware, re-engineered for unparalleled flexibility.



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