

Quantitative Cardiac Function Assessment Now In Small Animals Introducing the CD Leycom® SIGMA 1 SA

Announcing a new addition to the **CD Leycom®** range of equipment specifically designed for the acquisition and analysis of Pressure and Volume data from the intact heart.

Pressure And Volume Data Acquisition In Mice

The **SIGMA 1 SA**, single segment, data acquisition module; designed with mice in mind.

The compact **Sigma 1 SA** digital data acquisition module is small, light and easy to install. It connects simply and easily to a portable PC, via the USB port.

Supplied with the **Sigma 1 SA** is a windows software package **Conduct NT (M)** acquisition and analysis program. The **Conduct NT (M)** program is a user-friendly program that clearly displays real-time the real time signals and, simultaneously, calculates and displays the main functional indices.

Main Features Sigma 1 SA:

- 115 and 230 volt operational range
- Sample rates from 250 to 2000 s/sec
- Integrated acquisition of Volume, Pressure and ECG signals
- 2 Analogue inputs (one reserved for pressure)
- 2 Switchable analogue outputs (V/P or V/ECG or ECG/P)
- Microprocessor controlled USB connection to PC
- Conduct NT (M) Acquisition and Analysis software
- Display of Pressure, Volume and ECG signals
- Display of main functional indices in acquisition screen

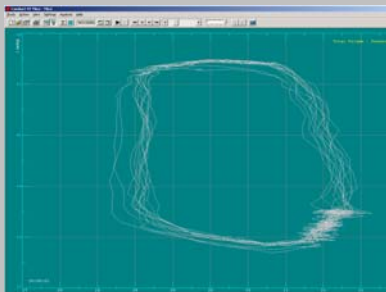
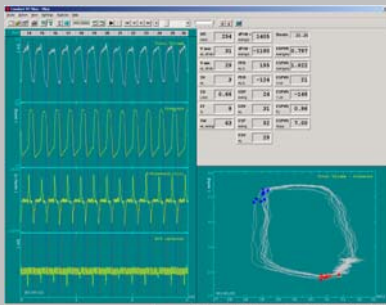
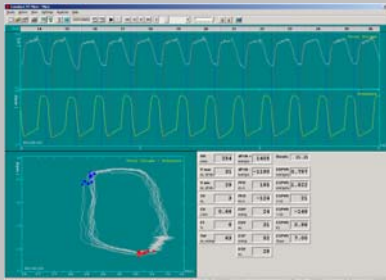
Catheters

The Sigma 1 SA is compatible with Millar pressure volume catheters SPR-716, SPR-719.

Visit our website at www.cdleycom.com for details of other related equipment (Sigma 5 DF for large animals, CFL-512 for clinical human use) and accessories.

Reference

DJ. Lips, T. vd Nagel, P. Steendijk, M. Palmen, B.J. Janssen, J. van Dantzig, L.J. de Windt, PA. Doevendans
Left ventricular pressure-volume measurements in mice: Comparison of closed-chest versus open-chest approach.
Basic Res Cardiol. 2004 Sep;99(5):351-9. Epub 2004 Apr 16.



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