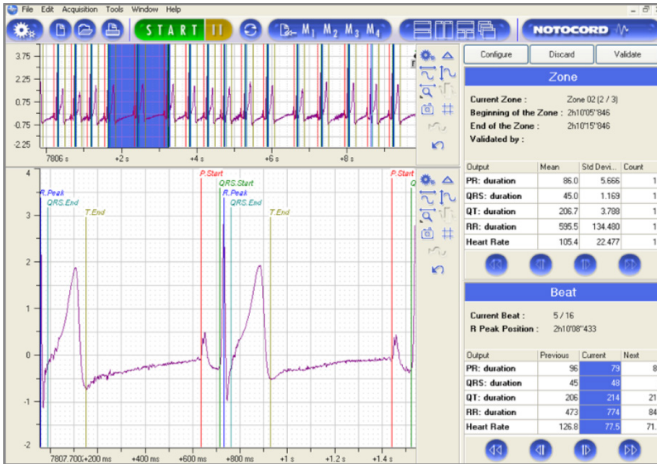


Cardiovascular Solutions



Graphical ECG validation mark editor (VME10e)

NOTOCORD® offers a broad range of dedicated software tools for data acquisition and analysis in cardiovascular studies, ensuring online computation of relevant parameters with high detection performance and video synchronization.

EXPERIMENTAL SETUPS

Our cardiovascular solutions adapt to the various **experimental setups** conventionally used for safety pharmacology and toxicology studies:

- Conscious / anesthetized animals
- Freely moving / restrained animals
- Telemetry
- Isolated heart, papillary muscle

HARDWARE COMPATIBILITY

Our interest lies in providing maximum hardware **compatibility** for data acquisition. Flawless **connectivity** is ensured thanks to our specific acquisition servers for hardware manufacturers Corscience, DSI™, ITS, is ensured thanks to our specific acquisition **servers** for hardware manufacturers Corscience, DSI™, ITS, etc.

KEY FEATURES

- Online / offline analysis
- More than 7 specific ECG analyzers
- Edition and validation of ECG analysis
- Arrhythmia detection
- PV Loop analysis
- Non-invasive telemetry experiments
- Isolated heart studies
- Purkinje fibers
- Papillary muscle
- Fast processing of large data files
- Versatility and accuracy
- GLP & 21 CFR Part 11 compliance

COMPLEMENTARY TOOLS

The versatility of NOTOCORD® cardiovascular solutions offers the possibility to increase efficiency of data recording, analysis and display. Our portfolio of advanced **modules** is designed to help you get the best out of your experiments!

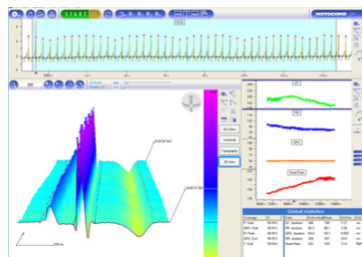
Signal processing **filters** are available to correct ECG signal distortion induced by filters built in specific implants.

ECG might be **edited** and PQRST points modified and **validated** on user-defined analysis zones.

Video recording synchronization and display is available for monitoring animal **behavior**, of particular interest for improving cardiac safety analysis or in safety pharmacology and toxicology studies.

ELECTROCARDIOGRAM

Species- and context-dependent ECG analyzers were developed and validated using an extensive database of real ECG signals manually annotated by experts. They are easy to use with little or no parameters to set and fast processing for an efficient detection.



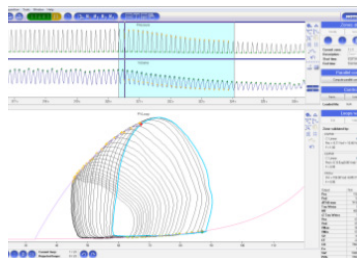
ECG analysis

ARTERIAL BLOOD PRESSURE

Our automated analyzer of arterial blood pressure is adapted to small and large animals blood pressure rates and morphologies.

PV LOOP

We designed an analyzer for in vivo assessment of ventricular contractility and stiffness in small and large animals, of interest in follow-up studies for Safety Pharmacology Core Battery and ischemia / reperfusion studies.



PV Loop analysis

LEFT VENTRICULAR PRESSURE

Our analyzer for left ventricular pressure signal provides essential information on systolic and diastolic functions during long-term telemetry studies. pressure rates and morphologies.

+ Related products

AFL30a	Arterial flow analyzer
APR31a	Arterial blood pressure analyzer
ARR30a	Arrhythmia detector
DIM30a	Cardiovascular dimension analyzer
ECG30/31x	Series of automated electrocardiogram analyzers
ECG51a	Semi-automated electrocardiogram analyzer
HRT10a	RR Beat rhythm analyzer
LVP31a	Left ventricular pressure analyzer
PVL10I	Ventricular pressure-volume loop analyzer
QRS10a	QRS complex detector
QTC10a	QT corrections calculator
RME10a	Reference mark editor for arrhythmia
VME10e/v	Edition and validation of ECG analysis / with synchronized video

Cardiovascular Solutions

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Working in a GLP environment?

21 CFR Part 11 compliance is achieved via our AccessManager security application, activating a highly secure and compliant Audit Trail.



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Because we have a policy of continuous product improvement, NOTOCORD reserves the right to change specifications without notice. The information provided in this brochure are not intended to form part of any offer or contract.

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