Utilize the powerful on-line analysis capabilities of AcqKnowledge software for chronic, acute and in vitro preparations in both long- and short-term experiments for human and animal subjects. Pre-program the software to synchronize recording sessions with a user-specified dosing routine. Sophisticated algorithms provide on- and off-line, beat-by-beat analysis of the primary cardiovascular signals such as blood pressure, cardiac output, ECG, and left ventricular pressure. Advanced data reduction features perform automatic statistical measurements and multiple display modes allow users to view the data in a familiar format. AcqKnowledge displays the data in a variety of formats for quick and easy viewing.

Advanced Features

- Cardiac Output Estimate from BP
- Respiration Sinus Arrhythmia
- Automated ECG Analysis
- Left Ventricular Pressure (LVP) Analysis
- Pressure-Volume Loop Analysis
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Selected Research Citations Below

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Limitations of Stroke Volume Estimation by Non-Invasive Blood Pressure Monitoring in Hyper Gravity

Phase-Averaged Characterization of Respiratory Sinus Arrhythmia Pattern

Central Integration and Neural Control of Blood Pressure During the Cold Pressor Test: a Comparison Between Hydrochlorothiazide and Aliskiren

Influence of Aerobic Exercise Training on Post-Exercise Responses of Aortic Pulse Pressure and Augmentation Pressure in Postmenopausal Women

Acute but not Chronic Metabolic Acidosis Potentiates the Acetylcholine-Induced Reduction in Blood Pressure: an Endothelium-Dependent Effect

Brief Pressure Overload of the Left Ventricle Reduces Myocardial Infarct Size via Activation of Protein Kinase C

Chronic Stress Promotes the Progression of Pressure Overload-Induced Cardiac Dysfunction Through Inducing More Apoptosis and Fibrosis

Comparison of Noninvasive Pulse Transit Time Estimates as Markers of Blood Pressure Using Invasive Pulse Transit Time Measurements as a Reference

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