



# Ponemah: Accelerate the Performance of Your Studies

Collect, analyze, and summarize preclinical study data.

## Efficient, Flexible Setup

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Software setup should be quick to perform and easy for everyone in the lab to complete, yet be flexible enough to change 'on the fly'. Ponemah software simplifies the setup process, allowing researchers to reliably acquire, easily view, and accurately analyze their data.

- Simplify setup with auto-recognition of connected hardware
- Improve efficiency with auto-population of data acquisition settings with one click
- Fast-track subsequent data collections by saving configured hardware setup and acquisition settings as a Protocol

## Fast, Accurate Results

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Researchers use physiologic monitoring systems to discover new insights into their research applications. Ponemah integrates validated algorithms developed from scientific and peer-reviewed journals to reliably obtain accurate, consistent results and quickly deliver these results to you.

- Immediate results with real-time data analysis
- Real-time analysis verification with visual validation marks
- Automatic export of calculated data to MS Excel® or Access®
- On-demand switching between time-based averages or beat-by-beat data

## Smart, Powerful Tools

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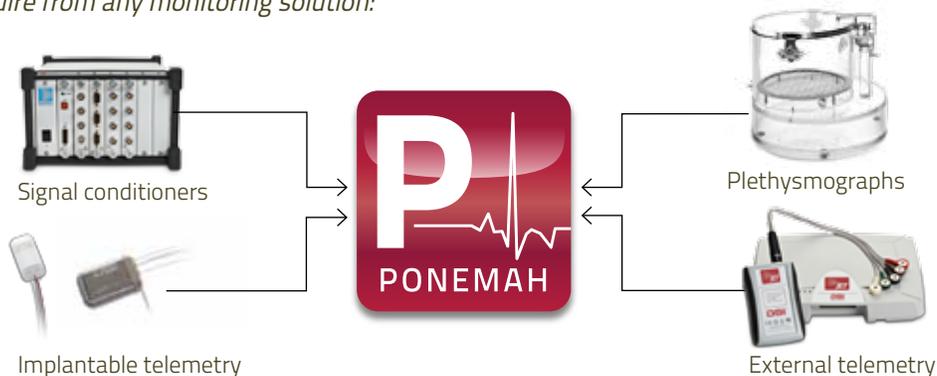
Every study is different and software solutions must meet the unique challenges of each application. Ponemah delivers powerful, flexible tools that can be tailored to your needs to effectively present and refine your results.

- Quickly refine data analysis post acquisition to instantly change how parameters are measured or eliminate signal noise from results
- Easily understand results using multiple graph and reporting presentations to view, sort and sync calculated parameters with graphs
- Simply select user-defined data sections to view and report using Data Parser
- Accurately report data over user-defined intervals using Data Reduction

## Adapt Ponemah to Your Study Needs

Ponemah's modular design allows you to customize the software configuration based on your needs, budget and convenience — providing expansion options to adapt to your evolving requirements.

» *Acquire from any monitoring solution:*



» *Analyze with automated modules designed for your applications:*

### Cardiovascular

- Multi-Lead Electrocardiogram (ECG)
- ECG Pattern Recognition Option (ECG PRO)
- Blood Pressure (BP)
- Blood Pressure Respiration (BPR)
- Left Ventricular Pressure (LVP)
- Coronary Blood Flow (CBF)
- Systemic Blood Flow (SBF)
- Cardiac Volume (CVOL)
- Pressure-Volume Loop (PVL)
- Raw Electrical Mean (RAW)
- Heart Rate Variability (HRV)

### Respiratory

- Pulmonary Compliance and Resistance (PCR/PCRP)
- Unrestrained Plethysmography (URP)
- Pulmonary Volume (PVO)
- Pulmonary Air Flow (PAF)
- Diaphragmatic Electromyogram (dEMG)

### Neuroscience

- Action Potential (MAP)
- Electromyogram (EMG)
- Sleep (via NeuroScore)
- Seizure (via NeuroScore)

### Other Applications

- Cystometry (CYS)
- Pulsatile Tissue and Gut Motility (PT)

» *Achieve full GLP and 21 CFR part 11 compliance:*

Study Protocol and Data Security options were designed specifically for researchers working in a GLP environment. DSI also provides validation and analysis assistance services. Contact your DSI representative for more information.