



Ponemah v5.3x

Ponemah is a complete physiologic data acquisition and analysis software platform used by physiologists, pharmacologists, and toxicologists to confidently collect, accurately analyze, and quickly summarize study data.

Robust, Versatile Data Collection

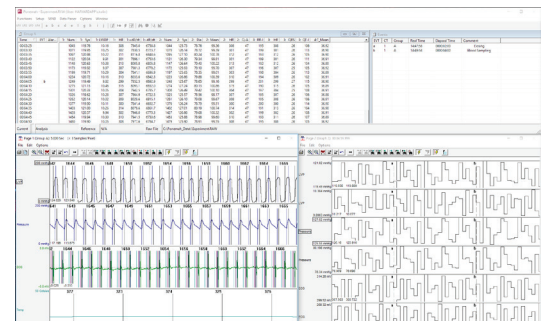
Designed for use with all DSI telemetry and hardwired solutions to support your research wherever it may take you.

- Collect from any DSI telemetry implant, Jacketed External Telemetry (JET), as well as Ponemah Signal Conditioners and Amplifiers.
- Acquire signals from both telemetry and hardwired sources aligned in time for combined cardiovascular, respiratory, and CNS studies.

Accurate, Flexible Data Analysis

Ponemah software offers an array of automated analysis modules for greater accuracy and confidence in your results.

- Analyze data using time-based averages or on a beat-by-beat basis.
- Verify analysis results in real-time with visual validation marks.
- Adjust algorithm settings to optimize signal analysis from various species and unique morphologies or to eliminate signal noise from results.
- Immediate results with real-time calculations and automatic export to Microsoft Excel®
- Use multiple graph and reporting presentations to view, sort and sync calculated parameters.
- Select data sections to view and report on using Data Reduction and Data Parser rules.



Collect, analyze, and summarize your preclinical

Smart, Powerful Tools

Every study is unique. Ponemah can be tailored to your study-specific needs to effectively refine and present your results.

- Execute automated, customizable searches to locate patterns and anomalies in your data for targeted adjudication using Data Insights.
- Receive automated email or text alerts for subject and system-level conditions using Remote Notification.
- Automatically trigger events based on physiologic parameters by outputting your Ponemah derived data directly to your other laboratory tools and systems using Remote Connection.
- Convert your data into a SEND-compliant format using the Ponemah SEND module.

Advanced GLP Compliance

Achieve full GLP and 21 CFR Part 11 compliance using the Study Protocol and Data Security options designed specifically for researchers working in a GLP environment.

- Secure System and User Level Access Control.
- Automatic creation of Electronic Signatures for 21 CFR part 11 compliance.
- Comprehensive Audit logs and file verification for complete traceability.
- Structured and transparent data handling using the Study Option.

Ponemah 5.3x New Features:

SEND 3.1

Easily convert your Data Reduction output to a SEND-compliant output with a few mouse clicks

- Supports the following SEND domains:
 - ECG Test Results – EG
 - Cardiovascular Test Results – CV
 - Respiratory Test Results – RE
 - Vital Signs - VS
- Integrated with Study Protocol Option to reduce manual data entry
- Compatible with major LIM Systems and SEND submission software
- Excel output and SQL database support available

The screenshot shows the 'SEND Viewer' application window. It displays a table with columns for 'STUDYID', 'DOMAIN', 'LOGIDID', 'CVREQ', 'CVTESTCD', 'CVTEST', 'CVPOS', 'CVORRES', 'CVORRESU', 'CVTRSD', and 'CVTRSDN'. The table contains multiple rows of data, including test results for 'Left Ventricular Systolic Pressure', 'Heart Rate', 'Systolic Blood Pressure', 'Diastolic Blood Pressure', 'Pulse Pressure', 'Mean Arterial Pressure', 'Summary (Mean) QA Interval', 'Left Ventricular Maximum Positive dP/dt', 'Left Ventricular Maximum Negative dP/dt', 'Summary (Mean) QA Interval', 'Left Ventricular Maximum Positive dP/dt', 'Summary (Mean) QA Interval', 'Left Ventricular Systolic Pressure', 'Heart Rate', 'Systolic Blood Pressure', 'Diastolic Blood Pressure', and 'Mean Arterial Pressure'. The status bar at the bottom indicates '69851 records total (20000 this page)' and 'Page 1 of 64'.

Ponemah SEND Viewer

New Data Security Option

Control access to your Ponemah system with the new fully digital Data Security Option

- Easily add users and assign access levels from local users to global networks
- No longer requires Smart Cards for a more convenient solution.

Noldus Media Recorder 4.0 Support

- Acquire high quality video recordings from up to 8 cameras
- Supports a wide range of IP and GigE cameras
- Improved frame rate and resolution management

Enhancements

- Improved installer and compiler to leverage larger memory for increased performance
- Up to 256 channels and up to 32 groups, dependent on acquisition hardware, now available

Compatibility

- Support for Windows® 7 SP1 and Windows 10 (64-bit versions)
- Support for Microsoft Office 2007 or later (64-bit versions)