

Pyros Kinetix® Incubating Kinetic Tube Reader

The Pyros Kinetix® incubating tube reader is used with Pyrotell®-T lysate for performing kinetic turbidimetric endotoxin assays. Pyros Kinetix is designed for use with the Pyros® EQS software (software sold separately, see page 11).



The Pyros Kinetix tube reader offers a 96 tube capacity. Each well is independently timed, allowing the operator to add more samples while a run is in progress. A sensitivity as high as 0.001 EU/mL can be achieved with Pyrotell-T lysate, the most sensitive assay in the industry. *Note:* Borosilicate reaction test tubes are used in the Pyros Kinetix tube reader.

Pyros Kinetix Features

- Precise Temperature Control—incubator temperature is held to 37°C ± 0.5°C
- Solid State Design—no moving parts, low maintenance
- Low Cost Disposables

Advantages

- **Maximum Sensitivity:** As high as 0.001 EU/mL with Pyrotell-T lysate
- **Maximum Efficiency:** The instrument has a 96 tube format and allows sample addition, even after the run has been initiated
- **Ease of Use:** The instrument uses depyrogenated 8 x 75 mm glass test tubes which minimize the occurrence of contaminated wells, an issue frequently associated with plastic microplates
- **Flexible Testing:** Variable volumes and ratios can be utilized
- **Optimized Lysate Usage:** As little as 50 µL per test

#PKX02 ----- Pyros Kinetix Incubating Kinetic Tube Reader

#TTR01 ----- Set of 2 acrylic test tube racks for 8 x 75 mm test tubes (Racks numbered 1–48 and 49–96)

#TK100 ----- Pyrotube® 8 x 75 mm borosilicate glass, 100/pack

System Specifications

Computer Required ----- Intel® Pentium® 4 PC or newer; 2.4 GHz Windows® XP SP2 OS; 1 GB RAM (if stand alone); 40 GB HD, 800 x 600, 256 Color Monitor; serial port or compatible USB adapter required (for reader communication)

Capacity ----- 96 reaction test tubes

Power Requirement ----- 100–250 V, 50/60 Hz

Light Source ----- LED

Dimensions ----- 18 w x 3.75 h x 16 d in.
(45.7 x 9.5 x 40.6 cm)

Weight ----- 27 lbs., 5 oz. (12.5 kg)
(without external power supply)

Temperature Range ----- 37°C ± 0.5°C

Data Interface ----- RS-232C

Data Transmission Format ----- ASCII character strings

Registration ----- Instrument: CE EN 61010-1,
EN 61326-2 1998

Power Supply: IEC601-1, IEC950,
UL2601-1, UL1950, UL544, EN60950,
EN60601-1, CSA22.2#125, CSA22.2#601-1,
CSA22.2#950. TUV D303673901
(Cert# B970924072006)

Warranties, Parts and Service

Extended Warranty

An Extended Warranty is available for tube readers. Please contact Associates of Cape Cod, Inc. for Extended Warranty options.

Service and Calibration

Associates of Cape Cod, Inc. performs repairs and recalibrations on the tube readers. Please contact Customer Service for information about repairs and recalibrations at (508) 540–3444.

Service and Calibration

#CAL06 ----- Calibration of Pyros Kinetix Flex tube reader at ACC facility

#CAL07 ----- On-Site Calibration of Pyros Kinetix Flex tube reader

#CAL02 ----- Calibration of Pyros Kinetix tube reader at ACC facility

#CAL03 ----- On-Site Calibration of Pyros Kinetix tube reader

Pyros Kinetix is designed for use with the Pyros EQS software.

For more information please visit our website at www.acciusa.com or contact Technical Services at (800) 848–3248.

Pyros® EQS Endotoxin Quantitation Software



Pyros EQS is intuitive, easy-to-use software that is designed specifically for endotoxin testing with the Pyros Kinetix Flex tube reader.

Pyros EQS is a sophisticated 21 CFR Part 11 Compliant, software solution that provides efficient, accurate analysis and reporting. The software writes to an Oracle® database*, the industry standard in data security. It has multiple access levels for improved security, detailed audit trails, and built-in trending by date range, technician, sample type and LAL lot. The software provides enhanced reporting options, flexible operation modes and incorporates electronic signatures, as well as a supervisor sign-off on completed tests. The application also offers two choices for calculating Coefficient of Variations (CVs), and a new summarized Pass/Fail Report.

Software Validation Protocols

Validation Protocols provide the end user with a comprehensive set of integrated documents to guide them through the system validation process. A Validation Plan outlines the tasks and documentation required to perform the validation. A Requirements Specification, the foundation of the validation process, clearly delineates the system's required functions and expected performance. Detailed instructions guide users step-by-step through the IQ/OQ, and PQ processes. Stress Test procedures are included as well as Change Control and Maintenance guides.

Pyros EQS Software

- #PEQS11 - - - - - Pyros EQS Software with Manual (21 CFR Part 11 Compliant)
- #PEQS - - - - - Pyros EQS Software with Manual (without part 11 compliance features)
- #PEQS11-VAL-PKF - - - - - Pyros EQS Validation Protocol Pkg (for Pyros Kinetix Flex)
- #PEQS11-VAL - - - - - Pyros EQS Validation Protocol Pkg (for Pyros Kinetix)

Computer Requirements

Intel® Pentium® 4 PC; 2.4 GHz Windows® XP SP2 OS; 1 GB RAM, Microsoft® .NET Framework v2.0 with Service Pack 1 (if stand-alone); 40 GB HD, 1024 x 768, 256 Color Monitor; serial or USB porting required (for reader communication)

*Cost for Pyros EQS software includes first year annual Oracle license fee.

Incubating Microplate Readers



ACC products work with Incubating Microplate Readers used to perform endotoxin and glucan testing using the chromogenic or turbidimetric methods. The detection limit depends on the protocol and reagent employed.

Gen5™ Secure Software* Incubating Microplate Reader Software

Designed by engineers focused on microplate instrument technology for microplate users, Gen5 works the way you do. Gen5 Secure Software is customized, 21 CFR Part 11 compliant software for the ELx808™ Incubating Microplate Reader.† Gen5's contemporary interface provides easy access to all major functions of the software including reading parameters, plate layout, data reduction, on-line help wizards, tutorials and Associates of Cape Cod's endotoxin specific assay protocols.

Software Validation Protocols

Validation Protocols provide the end user with a comprehensive set of integrated documents to guide them through the system validation process. A Validation Plan outlines the tasks and documentation required to perform the validation. A Requirements Specification, the foundation of the validation process, clearly delineates the system's required functions and expected performance. Detailed instructions guide users step-by-step through the IQ/OQ, and PQ processes. Stress Test procedures are included as well as Change Control and Maintenance guides. A CD containing the protocol files in Microsoft® Word format allows users to edit the documents to meet their company's specific validation requirements.

- #Gen5 - - - - - Gen5 Secure Software. Compliant, Microplate Software; Data collection and analysis.
- #5320500 - - Gen5 Installation Qualification Pkg. Packages include thorough procedures to allow a user to perform installation.

†Trademark of Bio-Tek Instruments, Inc.