

# CardioVault

Take the first step toward a paperless ECG system

ECG  
Management  
Software

*CardioVault™ combines proven Eclipse™ Plus or 850 ECG medical devices with PC storage and retrieval capability. Doctors maintain all the benefits of a dedicated, FDA-approved ECG device and gain the ability to view and access diagnostic-quality ECG tracings from personal computers.*



## Unmatched Accuracy And Performance

Burdick uses the most powerful interpretive algorithm for ECG analysis in the industry today. This algorithm performs extensive analysis based on the widest range of criteria, including age, race, gender, medications and New York Heart Association classification. Eclipse interpretive ECGs also include pacemaker interpretive software.

Burdick's AccuPrint™ functionality helps ensure accuracy, because it does not allow completion of the ECG tracing print if a fault is found in the lead. This not only saves time by eliminating retakes but also ensures that every test is of the highest quality.

With diagnostic-quality viewing and printing, either from the Eclipse ECG or the CardioVault systems, you receive the highest quality results no matter where or when you need them. Plus, if your facility maintains a parallel paper-based system, the Eclipse ECG offers the ability to print on Burdick Assurance® paper, guaranteed not to fade for 50 years.

## Faster Results Save Time

Faster time to decision making is important in STAT situations as well as in routine use. Because the Eclipse series is based on a true medical device rather than a PC, it provides fast boot up time in emergency situations. You get the results you need when you need them, including STAT ECGs and rhythm strips.

With single-button operation, the Eclipse ECG produces 12-lead reports in less than 60 seconds, while PC-based systems may require more than 5 minutes from boot up to tracing. And, with a dedicated ECG system results are viewed in real time without delay.

## Proven Reliability And Support

With over 50 years experience in cardiology diagnostics, Burdick understands ECGs and manufactures its systems to the highest standard of quality. Designed for the rigors of the medical environment, the Eclipse Plus and 850 systems are rugged and reliable.

Unlike PC-based systems, the Eclipse system is built with portability in mind. It features a single electrical connection, eliminating the mass of cables, cords and batteries required by PC-based systems. It also has a built-in battery for use when an electrical connection is not available.

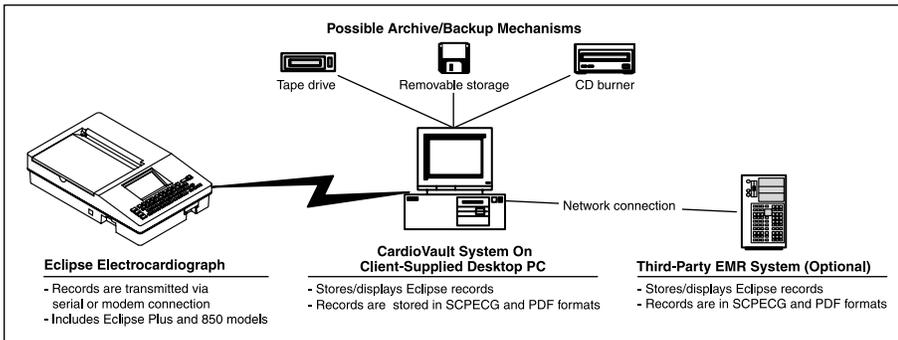
In the unlikely event a problem develops, Burdick offers free technical support 24 hours a day, seven days a week. If a repair is required, customers receive free loaners within 24 hours. Additionally, high stress items like lead wires are fully user replaceable, so you won't waste time waiting for repairs.

## Features

- Simple PC archiving and printing for your Eclipse Plus or 850 ECG
- A powerful, true medical device combined with the convenience of PC storage and retrieval
- Proven Windows and Acrobat technology for maximum ease of use
- Diagnostic quality viewing and printing

**BURDICK**<sup>®</sup>

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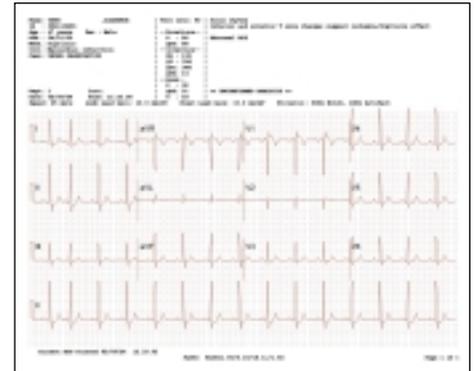
CardioVault uses Microsoft Windows and Adobe Acrobat to link proven Eclipse Series ECGs with a limitless array of PC and network archival methods.

## Convenient ECG Archiving And Storage

Since CardioVault uses proven Microsoft® Windows® and Adobe® Acrobat® technology, the system is incredibly easy to install and use. With Windows-style folders and files, navigating and accessing ECG recordings is intuitive.

CardioVault is compatible with most PC peripherals, including writable CDs or zip drives, and can be combined with your existing network, e-mail or fax system. In addition, the CardioVault ECG management system can be used with an electronic medical records (EMR) system.

CardioVault stores tracings in an Acrobat PDF file format and an ECG can be generated with or without a grid. This program also stores a SCPECG file, which can be transferred to Pyramis® ECG management or a third-party EMR.



CardioVault stores ECG tracings in PDF format with or without a grid.

## ORDERING INFORMATION

92602-1A CardioVault ECG Management System with serial connection

## TECHNICAL SPECIFICATIONS

Report format	ECG recordings are stored in PDF and SCPECG formats; uses non-proprietary standard communication protocol for electrocardiography (SCPECG)
Storage	Recording with grid: ~250,000 bytes (2800 per 700 Mb CD); Recording without grid: ~100,000 bytes (7000 per 700 Mb CD)
Reports	Diagnostic-quality onscreen waveforms (PC system must meet minimum requirements for graphics display); diagnostic-quality printouts (laser printer must support 600 dpi); user has option to include grid when record is converted to PDF format
Distribution and Communications	<b>Network Printing:</b> Enables records to be printed to any printer on a customer network; <b>E-mail:</b> Provides capability to send ECG recordings in PDF format as an e-mail attachment (requires customer-supplied e-mail system); <b>FAX:</b> Provides capability to send ECG recordings by fax (requires customer supplied fax software); <b>Network Resources:</b> Product is compatible with customer-supplied printers and storage devices; <b>Interface options:</b> Can link to Pyramis ECG management system or third-party Electronic Medical Record (EMR) system; <b>Communications:</b> CardioVault can receive data by direct or remote (modem) connection (Eclipse ECG cart must have communications capability)
Computer Requirements	CD-ROM drive; Mouse; Keyboard; One (1) high-speed serial port (115 KB per second); System: Windows 98, Windows NT® Workstation version 4.0, Windows 2000 Professional or Windows XP Professional; Software: Adobe Acrobat Reader 5.0 or greater (supplied with CardioVault); Hard disk: at least 200 MB of free space; Microprocessor speed: must meet minimum requirements for the installed operating system; RAM: meets minimum requirements for the installed operating system; Monitor: video resolution of 1024 x 768, minimum 256 colors, dot pitch of .26 or less to provide diagnostic-quality waveforms for onscreen viewing (Flat screen monitors will provide the highest quality waveforms); Printer: supports 600 dpi print resolution for diagnostic-quality printing; Network requirements for storing records over a network: Network Interface Card and TCP/IP Network Protocol; Conforms to standards: EN 60950 or equivalent
ECG Requirements	Eclipse 850, 850i, and Plus with communications option
Service and Support	24-hour technical support available
Regulatory Approvals	CE marked in accordance with the Medical Device Directive (93/42/EEC)

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