

The ECG Glove

Speed, accuracy and disposability, in one simple device

Introducing the ECG Glove – unlike any other ECG device available

The ECG Glove, developed by IneedMd, is a revolutionary tool, FDA-approved to perform ECGs by anyone, anytime, anywhere. Since conventional discrete leads are not used and all ten electrodes are prepositioned on the Glove, there is no need for an ECG technician. In fact, a patient's family member can easily be taught to use the Glove. The design of the device would ultimately allow use by the patients themselves, enabling them to generate their own ECG. Faster, more accurate and disposable, the Glove provides a new way to significantly improve the quality of life for cardiac patients and other at-risk patients.

How does it work?

The ECG Glove has 10 embedded ECG sensors and corresponding printed circuits. The device generates and sends a complete diagnostic 12-lead electrocardiogram (ECG) directly to a computer or mobile phone on which our proprietary software has been downloaded. From the laptop or cell phone, the 12-lead ECG can be transmitted to a 24-hour call center, patient's doctor, clinic or hospital emergency room, helping to quickly identify a cardiac event and allow early transport of the patient for life saving treatment.

Clinical trials and FDA approval have substantiated that readings are equivalent to ECGs generated by any conventional ECG machine.

The complete ECG Glove System includes:

- ECG Gloves – disposable mitts containing prepositioned electrodes
- Interface Box – a plastic box measuring 5" x 4" x 1.5" in size, containing two circuit boards and batteries in the Bluetooth version
- Cable – for connection to laptop computer, if not being used in wireless mode
- Analytical Software – pre-loaded on a laptop computer, PDS or cell phone
- Interface Software – for connection to a specific patient records management system or Electronic medical Record (EMR) system, if in use by the purchaser



For information, please contact: Master Distributor (USA)

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Advantages over traditional ECG technology

The ECG Glove is simply the most advanced ECG device available. Eliminating the cumbersome machine, the maze of wires and the need for a technician, the Glove is giving new hope to helping cardiac patients in virtually any scenario.

Faster

- Reduces patient preparation time
- Reduces time to record an ECG, thus helping get the patient to the hospital in less than 90 minutes – the goal set by the American Heart Association

Easier to use

- Can be used by virtually anyone – an ECG technician is not required and relatively little training needed
- Ability to take serial ECGs for symptomatic patient whose first ECG was inconclusive
- Ability to take ECGs during discomfort or pain, or during an angina attack, maximizing diagnostic value
- Allows patients to conveniently establish cardiac baseline ECG, even at home

Superior results

- The gold standard of a 12-lead diagnostic ECG recording can now be provided both for routine ECG needs, as well as in ambulances, ERs and intensive care units
- Consistent lead placement, avoiding abnormal ECG recordings due to incorrect positioning of discrete electrodes and cables
- Eliminates repeat exams resulting from broken leads, poorly placed leads and poor connectivity
- Higher-quality ECG and significant noise reduction
- Our ECG software allows the physician to analyze each waveform in great detail, allowing an in-depth analysis of the ECG record

Reduces risk of infection

- Lowers risk of hospital-acquired infection resulting from re-use of cables that aren't cleaned
- Convenient for follow-up care, after hospital discharge
- Available soon in a durable, reusable design

Invaluable to care providers and visiting nurses

- Electronic records can be integrated directly with the billing process, assuring consistent billing records
- Generating a hard copy is a simple connection to a standard printer
- Eliminates capital expenditure for an ECG machine
- Cost-savings associated with staff reductions, reduced set-up and recording time
- Increased productivity for the nurse and hospital/institutional care provider
- Ease-of-use reduces set-up time, potentially increasing patient throughput

Approximately 80 million Americans suffer from cardiovascular diseases, and that number is only expected to rise. In fact, heart disease is the leading cause of death annually – greater than cancer, diabetes, respiratory disease and accidents combined. Early monitoring and intervention is most effective way to help save patients' lives. The ECG Glove aids in diagnosing cardiac emergencies faster and easier than the conventional methods currently used, in virtually any scenario, ultimately saving lives.

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