

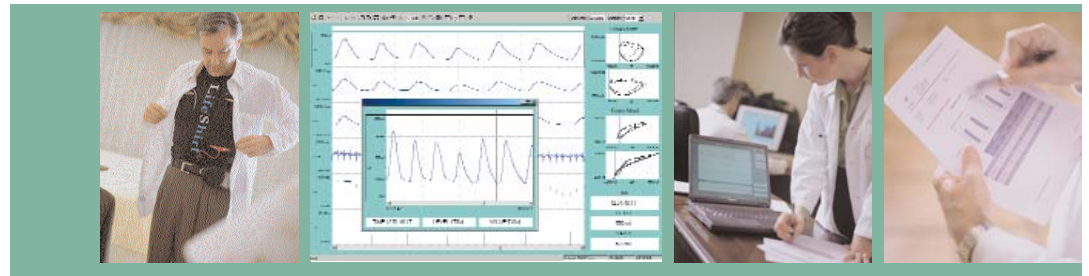
VivoMetrics, Inc. provides continuous ambulatory monitoring products and services for the collection, analysis and reporting of physiologic data. The VivoMetrics LifeShirt™ System acquires, processes and reports on a breadth and depth of patient data never before available. Patented sensors monitor patients 24/7 at work, home, play and sleep. The result is a robust suite of files and reports that give researchers and clinicians a diagnostic "movie" of patient health instead of the traditional office visit "snapshot."

## Patents

With 10+ patents covering wearable sensor design and proprietary software algorithms, VivoMetrics has created a miniaturized ambulatory version of an in-patient system currently used in more than 1,000 hospitals worldwide and cited in hundreds of peer-reviewed scientific papers.

## Technology

VivoMetrics' premiere product is the LifeShirt System, a fully integrated platform for the acquisition, processing, analysis and reporting of physiologic data. The system continuously monitors ambulatory patients, processes the data and presents researchers and clinicians with a range of full-disclosure, high-resolution waveforms and summary reports. The system includes the LifeShirt garment, the LifeShirt data recorder and VivoLogic™ Software for analysis, viewing and reporting of results.



The comfortable LifeShirt continuously monitors more than 30+cardiopulmonary parameters.

Data are decrypted, processed and analyzed.

Data is displayed in full-disclosure, high-resolution waveforms.

Summary reports are presented in easy-to-read formats for researchers and clinicians.

## Data Acquisition

The LifeShirt is a comfortable garment with embedded inductive plethysmographic sensors, a two-axis accelerometer, and a single-channel ECG that continuously monitors an ambulatory patient. The LifeShirt garment measures every breath, heartbeat and body position, and records the data on a removable flash memory card in the LifeShirt Recorder. The patient can enter time- and date-stamped data about symptoms, moods and activities, allowing researchers and clinicians to correlate subjective digital patient diary input to physiologic parameters. Additional peripheral digital diagnostic devices to record blood pressure, blood oxygen saturation and end tidal CO<sub>2</sub> can be plugged into the recorder.

09:00	20:00
09:15	20:15
09:30	20:30
09:45	20:45
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18:15	07:00
18:30	07:15
18:45	07:30
19:00	07:45
19:15	08:00
19:30	08:15
19:45	08:30

## Data Processing

Proprietary, PC-based VivoLogic Software processes collected data and presents it as full-disclosure, high-resolution waveforms or summary reports. The data can also be easily exported as digital files for offline statistical analysis by third-party software packages.

## Markets

VivoMetrics data acquisition and analysis products are powerful tools for a range of markets including clinical drug trials, academic research, and sleep diagnostics.



### • Clinical Trials

The LifeShirt System enhances critical decision-making with comprehensive cardiopulmonary and digital patient diary information. Powerful analysis software and concise summary reports facilitate interpretation and electronic submission of data.



### • Academic Research

The LifeShirt System enables assessment of never-before-seen trends in physiologic and psychological function across a broad spectrum of research fields, including sleep, cardiology, pulmonology, exercise physiology and human performance, psychiatry, psychology and rehabilitation.



### • Home Sleep Diagnostics

The LifeShirt System improves the speed, quality and cost-effectiveness of sleep studies by moving them from the sleep lab to the comfort and privacy of patients' own bedrooms.

## Company History

Established in 1999, VivoMetrics acquired patents covering wearable sensors for monitoring respiration and cardiac function. The company's team of biomedical and software engineers adapted the technology for ambulatory use and created the LifeShirt System.

Since its founding, VivoMetrics has secured funding from Credit Suisse First Boston (CSFB) Private Equity Fund and other investors.

## System Availability

The LifeShirt System has received FDA 510(k) market clearance, the European CE Mark and Canadian market clearance.