Continuous health monitoring made easy

Optimising your ECG solution with ePatch®
An increasing occurrence of chronic diseases is a challenge for our health systems

Continuous monitoring is made easy using ePatch® and enable support to many more cardiac patients.

Cardiac diseases need to be carefully monitored to assure the safety and efficacy of treatments.

Superior screening, diagnosis and treatment of cardiac patients in need is what you focus on everyday. You know how important it is to capture complete data sets that show the patient’s state-of-health in the most accurate way possible. That is why your cardiac patients deserve the reliability of the ePatch® ECG recorder.

The ePatch® brings you the most state-of-the-art, top patient-preferred cardiac monitoring technology to assure your data recording are not at risk.

At DELTA, we take the responsibility to bring your cardiac patient monitoring to the next level of success through better use of modern technology.

3 steps

1 minute and the ePatch® is monitoring the patient.

Step 1
Shaving and cleaning the skin.

Step 2
Insert the ePatch® sensor into the patch and the ePatch® is recording.

Step 3
Peal of backside protection foil; place ePatch® on the skin; peal of topside paper.

Now the patient is beeing monitored with ePatch®
Clinical value of ECG ePatch® recording

In a clinical study 2 medical doctors evaluated 200 ECG segments recorded on 25 patients with ePatch®. They found respectively 199 and 197 ECG segments to be suitable for clinical interpretation.

Medical doctor 1

Medical doctor 2

High quality patient monitoring

How does my ECG solution win through a partnership with ePatch® cardiac monitoring device?

By having the high quality ECG data recordings, and easily read out to a PC after end recording.

With the ePatch® cardiac monitoring technology, the data sets are complete 24 hours a day for up to 3 days on each ECG channel. The ECG data is stored in a reusable and rechargeable ePatch sensor and is easily read out to a PC via a USB interface cable.

The quality of ePatch® recordings has been verified in clinical studies where cardiologists found that the same clinically relevant information could be extracted from the ePatch® recorded ECG data.

In a clinical study, ePatch® ECG and standard in hospital telemetry ECG was simultaneous recorded and evaluated by a cardiologist. Overall, the cardiologist found that the same clinically relevant information could be extracted from the two monitoring techniques for all 11 patients.
How does using the ePatch® assure me that I will collect complete data sets?

Our modern technology lets your patients relax and forget that they are constantly being monitored.

We know how valuable your peace of mind is when monitoring your patients. Patient compliance with continuous cardiac monitoring is crucial to collect all the information you need to make quick decisions for adjustment of the treatment plan.

And the key to patient compliance is their satisfaction with a normal, fulfilled life during monitoring so that they can forget about the device they wear and still do the things they love to do.

Without the need for individual and loose cables, patients forget that they are wearing the ePatch® and can enjoy the activities that they love including leisurely walks with their dog, dancing, and even light showering without being slowed down.

“A completely enjoyable experience”

“I put the ePatch® on and forgot it”

“Much more convenient to wear than other monitoring systems”

Some of the words that patients use to describe their satisfaction with the ePatch® cardiac monitoring system.
What makes the ePatch® superior to conventional Holter monitoring devices?

Longer continuous recording times mean more useful data. No electrode cables mean less noise. Increased patient satisfaction means increased patient compliance. Simplicity that you have never experienced before. Need we say more?

Just in case that this is not enough to convince you to step up to the most modern technology, here are just a few additional points you should know about how ePatch® matches up to your traditional cardiac monitoring.

- The ePatch® is CE marked and FDA cleared, and adheres to regulatory Holter standards.
- ePatch® data is analysed using a dedicated web service or software installed on your PC.
- Weighing in at 16 grams, the ePatch® makes use of modern technology leaving the cumbersome Holter monitors behind.
- The ePatch® skin interface is fully biocompatible.
- The ePatch® delivers uninterrupted 24 hours a day continuous monitoring for 3 days with no risk that the patient does not correctly reattach electrodes after disconnecting them to shower.
- The ePatch® is easy to use out of the box, plugs into PCs and Macs and there is no software installation required.
- Medical professionals prefer the ePatch® to Holter systems due to ease of use and patient compliance.

Data acquisition
- 2 channels ECG

Placement
- Sternum

Recording time
- Up to 72 hours

Sampling rate
- 128/256/514 or 1024 samples per second per channel

Charging
- USB 5.0V 250mA = \( V_{dc} \)

Resolution
- 16 bit

Storage medium
- 2 GB internal storage

Power supply
- Lithium-ion polymer battery (integrated)

Connections
- Micro USB

Weight
- 16 g

Water resistance
- IPX4 (splash proof)

Real time clock
- Yes

Event marker function
- Yes, via double tab on sensor (internal motion sensor)

Storage of multiple recordings
- Yes
We know that once you experience the ePatch® difference, you will abandon the traditional Holter monitor forever.

But don’t take our word for it, here are what our satisfied customers and patients are saying about DELTA’s ePatch®.

“The ePatch® is so unobtrusive you forget you’ve got it on. Buttoning up the shirt and putting clothes over the head is very easy to do.”
– Maria, Patient

“I didn’t know I had it on, especially in bed. I have used a Holter in bed and it was very uncomfortable.”
– Claus, Patient

“I was completely unaware that I was wearing the ePatch®.”
– Bent, Patient

“The ePatch® is very easy to set up perfectly from the beginning.”
– Peter, Doctor

“It is really great for patients that there are no cables.”
– Susan, Nurse
We are fully on board with your top objectives – Your success with providing a highly efficient ECG solution.

Untroubled, happier patients and medical professionals mean better compliance, higher data quality and ultimately better treatments.

For almost 10 years DELTA have been leading the way in developing ePatch® cardiac monitoring devices, and our expertise translates into a complete understanding of how to reach your clinical objectives.

DELTA, located in Denmark, has developed and tested high-tech equipment and medical devices for the past 70 years, and achieved ISO 13485 certification in 2012. The team that you work with are the scientists and engineers that pioneered and perfected the ePatch® itself. We know everything about it. And we take full responsibility of your complete satisfaction when using the ePatch® in your cardiac solution.

Contact us today to schedule a “How Can I Make My Cardiac Monitoring Easy” call and find out how the ePatch® brings the top technology approach to your patients.