

3M™ Red Dot™ Repositionable Electrodes



Red Dot Repositionable Electrodes are designed with a larger conductive area to help improve trace quality by reducing ECG artifact. They adhere securely and are repositionable to allow the clinician to move the electrodes rather than replace them with new ones. And they are conformable, comfortable and gentle on patient skin.

Truly Repositionable

Secure Adhesion

Excellent Trace Quality

Universal Usage

Conformable and Comfortable

3M *Innovation*

A Universal Electrode

The 3M™ Red Dot™ Repositionable Electrode can be used in all ECG monitoring applications, including Holter Monitoring and Stress Testing. The electrode is radiolucent which allows x-rays to be taken without having to remove and reapply the electrodes.

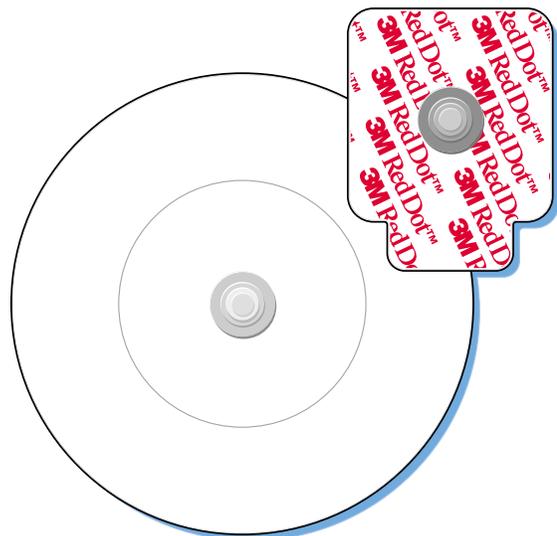
- Red Dot Repositionable Electrodes are quick to stick on skin but gentle on removal.
- Red Dot Repositionable Electrodes are available in two levels of adhesion. The 2670 electrode has adhesive that is more aggressive than the 2660 and should be used if the level of adhesion of the 2660 is too low for a particular patient or clinical application.
- By standardizing electrode purchases for the entire facility (i.e., less inventory), hospitals may realize time and cost savings. Nursing time can be used more efficiently since the electrodes do not have to be removed and replaced as often.
- Red Dot Repositionable Electrodes may be safely worn up to 3 days.

Electrodes That Work Where You Do

- Surgical Services
- Emergency Department
- Cath Lab
- Cardiology Department
 - Electrophysiology
 - Telemetry
- Intensive Care Unit
- Holter Monitoring
- Stress Testing

Small and Versatile

The small size and ultra-low profile make for quick and easy placement. The 3M Comfort Backing conforms to body contours for comfortable wear on patients of all ages and sizes, including pediatric patients. The thin profile reduces potential snags that can affect trace quality.



A Truly Repositionable Electrode

Electrodes are routinely removed, discarded, and new ones applied. For years, healthcare professionals have wanted a repositionable electrode in order to reduce waste, potentially saving money and increasing staff efficiency.

Reasons that Electrodes Get Repositioned

1. Improve ECG trace quality
2. Individual or department placement preference
3. Interdepartmental patient transfer
4. Electrode edge lifting
 - Catching on sheet, drapes, etc.
 - Patient movement
 - Skin turgor
 - Skin folds
 - Trauma
 - Post-op edema
 - Laparoscopic procedures
 - Obesity
5. Electrode too close to sterile field
6. X-ray procedure
7. Defibrillation
8. Pacemaker insertion



- The 3M™ Red Dot™ Repositionable Electrode is just that: an electrode that can be repositioned at least once upon initial application.
- Cost savings may be realized by repositioning rather than replacing electrodes.
- The patented adhesive has a dual function: it holds the electrode in place *and* conducts signal. On removal to reposition, the adhesive picks up few skin cells that could potentially impair adhesion and trace quality.

3M's New Low Impedance Electrode Improves Trace Quality

Poor Trace Quality*



Causes of Poor Trace Quality

- High Skin Impedance
- Patient Movement
- Static Electricity
- Pressure on Electrodes

Excellent Trace Quality*



Definition of Impedance:

The resistance encountered by an ECG signal flowing from the patient through the electrode to the monitor. A lower impedance will result in a better ECG trace.

A Low Impedance Electrode For a Clear Trace

Red Dot Repositionable Electrodes lower the impedance of patient skin for a quicker and clearer trace quality. ECG monitor artifact potentially leads to unnecessary electrode change, higher cost, false alarms and frustration for staff and patients.

- Red Dot Repositionable Electrodes reduce artifact, and may offer time and cost savings.
- The entire surface of the electrode is conductive, resulting in a low impedance electrode.
- The adhesive contains a hydrogel (water-based) that lowers skin impedance, making skin prep optional.

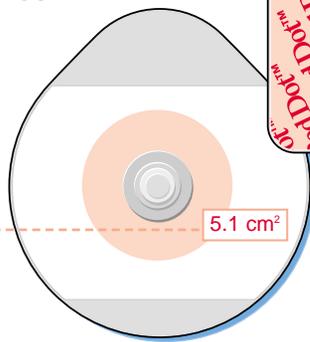


* These photos are intended to show "typical" tracings for the situations indicated. Actual results may vary depending on other factors.

Data on file at 3M.

Larger Conductive Area Reduces Impedance

Conventional Electrode
Conductive Area



5.1 cm²



10.1 cm²

The 3M™ Red Dot™
Repositionable Electrode

Larger Conductive Area

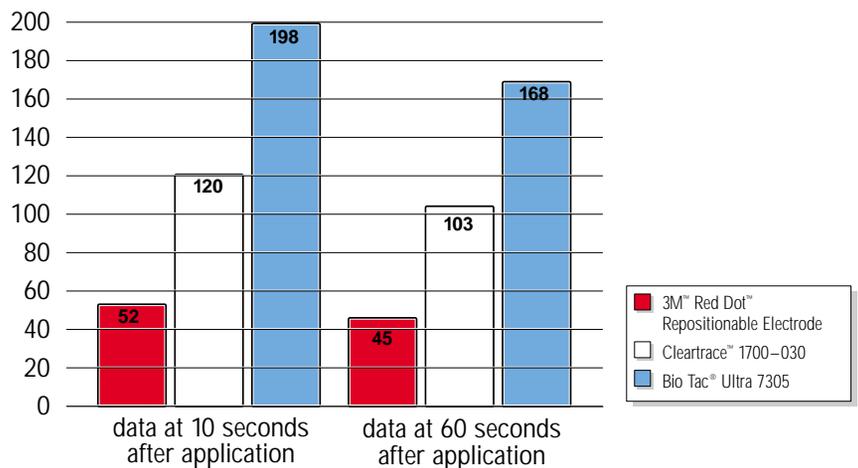
Although electrode size is smaller, conductive surface area is larger to reduce impedance and enhance ECG trace quality.

-  Conductive Area
-  Pressure Sensitive Adhesive (PSA)
(not conductive and not repositionable)

Comparison of Impedance Levels

The Lower the Impedance the Better the Trace Quality

Impedance at 10 Hz.–kilo Ohms



Comfortable, Conformable and Gentle

Red Dot Repositionable Electrodes are comfortable and gentle on patient skin. They are made with 3M Comfort Backing, a thin, flexible material that easily conforms to skin contours and is fluid resistant.

- **Flexible Comfort Backing is fluid resistant.** It is a composite of non-woven polypropylene covered with a non-conductive, polyethylene film.
- **Thin profile** of Comfort Backing allows for easy conformability and reduces the chance of catching on medical devices, drapes or bedclothes that cause inadvertent electrode lift or removal.
- The **adhesive absorbs** both water and oil from skin, which allows the electrode to adhere to a wide variety of patients.

The dual function adhesive reduces skin stripping. These latex free electrodes are also solvent free to minimize skin irritation.

Ordering Information

3M™ Red Dot™ Repositionable Electrodes

Cat. No.	Adhesive Area	Electrode Area	Per Pack	Packs/Case	Electrodes/Case
2660-3*	1.25" x 1.25"	1.56" x 1.25"	3	200	600
2660-5*	1.25" x 1.25"	1.56" x 1.25"	5	200	1000
2670-3	1.25" x 1.25"	1.56" x 1.25"	3	200	600
2670-5	1.25" x 1.25"	1.56" x 1.25"	5	200	1000

* 2660 electrode has a less aggressive adhesive than the 2670.
Two year shelf-life on sealed, unopened package.

Contact your 3M sales representative or call the 3M Health Care Customer Helpline at 1-800-228-3957. Visit the 3M Health Care Web site at www.3M.com/healthcare.

For More Information

Contact your 3M Sales Representative, or call the 3M Health Care Customer Helpline at **1-800-228-3957**. These products can be ordered from your local distributor. Outside the United States, contact the local 3M subsidiary.

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Red Dot
Repositionable
Electrode



Your satisfaction is what we strive for and we back the reliability of 3M Red Dot Monitoring Electrodes with a satisfaction guarantee that's "Good as Gold."

If at any time and for any reason you are dissatisfied with 3M Red Dot Monitoring EKG Electrodes, we will replace the unexpired, unused product or, if you prefer, refund the purchase price.

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40% Pre-consumer waste paper
10% Post-consumer waste paper