



Red Dot™ Electrodes

A small way to make a big impact

ECG electrodes reference guide





RA

3M Red Dot™
3M Red Dot™
3M Red Dot™

Using the right electrode matters

Better patient monitoring begins by choosing the right ECG electrode. When you choose from the 3M™ Red Dot™ Electrodes portfolio, you'll find the right electrode for a variety of patients, skin types, and monitoring situations. As a leader in adhesive innovation, 3M knows how to make Red Dot electrodes stick and stay in place. The quality of patient monitoring directly affects the quality of patient care. Red Dot electrodes are easy to apply and provide uninterrupted patient monitoring with a trace quality you can trust. To connect with confidence, reach for the 3M difference.

Reach for the Red.

Universal



2228

3M™ Red Dot™ Foam Monitoring Electrode

1.57" × 1.3" (4 cm × 3.3 cm)

Diaphoretic, sticky gel

Bag quantity:
50



2244

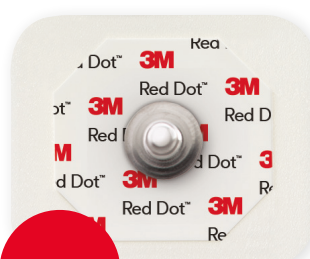
3M™ Red Dot™ Foam Monitoring Electrode

1.57" × 1.3" (4 cm × 3.3 cm)

Diaphoretic, radiolucent, sticky gel



Bag quantity:
50



2560

3M™ Red Dot™ Foam Monitoring Electrode

1.6" × 1.36" (4 cm × 3.5 cm)

Diaphoretic, sticky gel

Bag quantity:
50



2570

3M™ Red Dot™ Foam Monitoring Electrode

1.6" × 1.36" (4 cm × 3.5 cm)

Diaphoretic, radiolucent, sticky gel with abradant



Bag quantity:
50

Universal



2660

3M™ Red Dot™ Repositionable Soft Cloth Monitoring Electrode

1.56" × 1.25" (4 cm × 3.2 cm)

Radiolucent, repositionable



Bag quantity:
3, 5



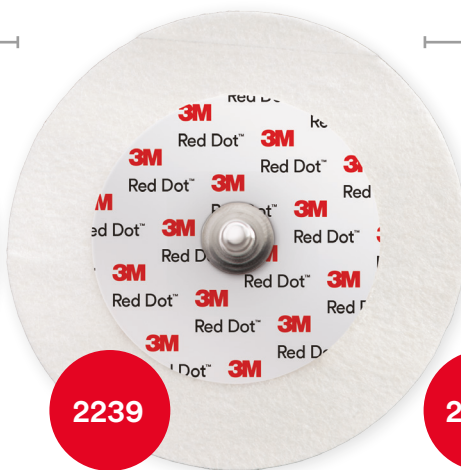
2237

3M™ Red Dot™ Foam Monitoring Electrode

1.75" dia. (5.1 cm dia.)

Hypoallergenic adhesive, removal tab

Bag quantity:
50



2239

3M™ Red Dot™ Monitoring Electrode with 3M™ Micropore™ Tape Backing

2.4" dia. (6 cm dia.)

Solid gel

Bag quantity:
50

Diagnostic



2360

3M™ Red Dot™ Resting EKG Electrode

0.8" × 1.2" (2 cm × 3 cm)

Radiolucent, repositionable, stronger adhesive than 2330



Bag quantity:
100

Adult/Pediatric

Gentle



2268

3M™ Red Dot™ Soft Cloth Monitoring Electrode

1.25" dia. (3.2 cm dia.)

Conductive adhesive for pediatric and adult use



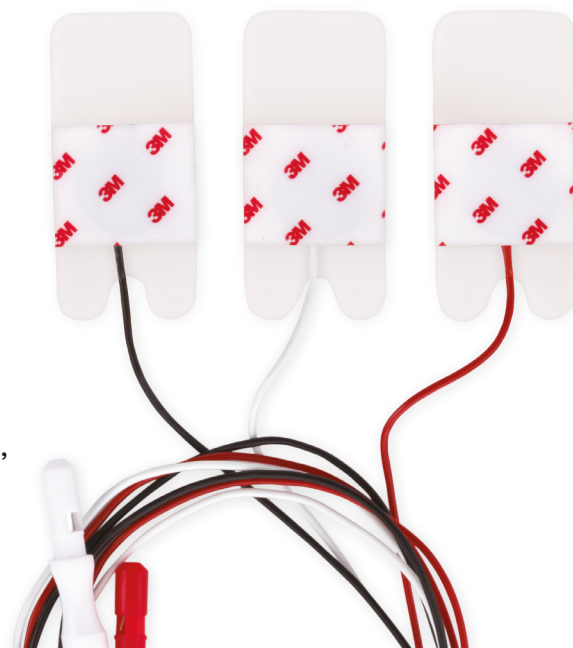
Bag quantity:
3

Neonatal

2269T

3M™ Red Dot™ Neonatal, Pre-Wired, Radiolucent Monitoring Electrode with Clear Tape

0.75" × 1.56" (1.9 cm × 4 cm)
22" leadwire length



Bag quantity:
3

Diagnostic



2330

3M™ Red Dot™ Resting EKG Electrode

0.8" × 1.2" (2 cm × 3 cm)

Radiolucent, gentle adhesive



Bag quantity:
100

2282E












3M™ Red Dot™ Neonatal, Pre-wired, Radiolucent Soft Cloth Monitoring Electrode

0.9" × 0.9" (2.2 cm × 2.2 cm)
18" leadwire length



Bag quantity:
3

Ordering information

Product	Description	Packaging
Adult		
Universal		
2228	Foam Monitoring Electrode, 1.5 inch × 1.3 inch (3.7 cm × 3.3 cm) with sticky gel	 1000 electrodes/case, 10/strip, 5 strips/bag, 20 bags/case
2244	Foam Monitoring Electrode, Radiolucent, 1.57 inch × 1.3 inch (4 cm × 3.3 cm) with sticky gel	 1000 electrodes/case, 10/strip, 5 strips/bag, 20 bags/case
2560	Foam Monitoring Electrode, 1.6 inch × 1.36 inch (4 cm × 3.5 cm) with sticky gel	 1000 electrodes/case, 10/strip, 5 strips/bag, 20 bags/case
2570	Foam Monitoring Electrode, Radiolucent, 1.6 inch × 1.36 inch (4 cm × 3.5 cm) with sticky gel and abrader	 1000 electrodes/case, 10/strip, 5 strips/bag, 20 bags/case
2660-3	Repositionable Soft Cloth Monitoring Electrode, 1.56 inch × 1.25 inch (4 cm × 3.2 cm) radiolucent with lift tab	 600 electrodes/case, 3/strip, 1 strip/bag, 200 bags/case
2660-5	Repositionable Soft Cloth Monitoring Electrode, 1.56 inch × 1.25 inch (4 cm × 3.2 cm) radiolucent with lift tab	 1000 electrodes/case, 5/strip, 1 strip/bag, 200 bags/case
2670-3	Repositionable Soft Cloth Monitoring Electrode, 1.56 inch × 1.25 inch (4 cm × 3.2 cm) radiolucent with aggressive adhesive and lift tab	 600 electrodes/case, 3/strip, 1 strip/bag, 200 bags/case
2670-5	Repositionable Soft Cloth Monitoring Electrode, 1.56 inch × 1.25 inch (4 cm × 3.2 cm) radiolucent with aggressive adhesive and lift tab	 1000 electrodes/case, 5/strip, 1 strip/bag, 200 bags/case
2228BA	Foam Monitoring Electrode, 1.5 inch × 1.3 inch (3.7 cm × 3.3 cm) with sticky gel and 4 mm banana plug connector	 1000 electrodes/case, 10/strip, 5 strips/bag, 20 bags/case
Non-universal		
2239	Micropore Paper Tape Monitoring Electrode 2.4 inch dia. (6 cm dia.) with solid gel and lift tab	1000 electrodes/case, 50/bag, 20 bags/case
2238	Soft Cloth Monitoring Electrode 2.4 inch dia. (6 cm dia.) with solid gel and lift tab	1000 electrodes/case, 50/bag, 20 bags/case
2271	Diaphoretic Soft Cloth Monitoring Electrode 2.2 inch × 2 inch (5.1 cm × 5.5 cm) with solid gel, abrader and lift tab	1000 electrodes/case, 5/bag, 200 bags/case
2237	Foam Monitoring Electrode 1.75 inch dia. (4.4 cm dia.) with solid gel and lift tab	1000 electrodes/case, 5/bag, 20 bags/case
Diagnostic		
2360	Resting Tab Style EKG Diagnostic electrode with aggressive adhesive	4000 electrodes/case, 10/card, 10 cards/bag, 40 bags/case
Adult/pediatric		
2268-3	Soft Cloth Monitoring Electrode 1.25 inch dia. (3.2 cm dia.) with conductive adhesive and lift tab	 600 electrodes/case, 3/bag, 200 bags/case
2248	Micropore Paper Tape Monitoring Electrode 1.75 inch dia. (4.4 cm dia.) with solid gel and lift tab	 1000 electrodes/case, 5/bag, 20 bags/case
Diagnostic		
2330	Resting Tab Style EKG Diagnostic Electrode with gentle adhesive	4000 electrodes/case, 10/card, 10 cards/bag, 40 bags/case
Neonatal		
2269T	Neonatal Monitoring Electrode, Pre-Wired with Clear Tape, 0.75 inch × 1.56 inch (1.9 cm × 4 cm) with 22 inch radiolucent leadwires	300 electrodes/case, 3/bag, 10 bags/box, 10 boxes/case
2282E	Neonatal Monitoring Electrode, Pre-Wired with Soft Cloth, 0.9 inch × 0.9 inch (2.2 cm × 2.2 cm) with 18 inch radiolucent leadwires	300 electrodes/case, 3/bag, 100 bags/case
Skin prep		
2236	Trace Prep	1 roll, 36 rolls/case

 Diaphoretic

 Repositionable

 Gentle



When it comes to cardiac monitoring, 3M™ Red Dot™ ECG Electrodes have earned your trust since 1974. Our broad line of reliable products connect with specific patient needs and industry standards. We do more than offer innovation in product development – we provide you with strong educational training and technical service support.

Reach for the Red. ●

MRI information

MR conditional



The 3M™ Red Dot™ Cardiac Monitoring Electrodes (2244, 2268, 2269T, 2570, 2660 or 2670) or 3M™ Red Dot™ Resting Electrodes (2330 or 2360) were determined to be MR conditional. Non-clinical testing demonstrated that the 3M Red Dot cardiac monitoring electrodes (2244, 2268, 2269T, 2570, 2660 or 2670) or 3M Red Dot resting electrodes (2330 or 2360) are MR conditional. A patient with this device can be scanned safely immediately after placement under the following conditions:

Static magnetic field

- ▶ Static magnetic field of 3-Tesla or less
- ▶ Maximum spatial gradient magnetic field of 720 or 4000 (See Table Below)-Gauss/cm or less

MRI related heating

In non-clinical testing, the 3M Red Dot cardiac monitoring electrode or 3M Red Dot resting electrode produced the following temperature rise during MRI performed for 15-min of scanning (i.e., per pulse sequence) in the 3-Tesla (3-Tesla/128-MHz, Excite, HDx, Software 14X.M5, General Electric Healthcare, Milwaukee, WI) MR system: Highest temperature change of +1.7°C was measured during the testing of the 3M™ Red Dot™ Neonatal, Pre-Wired, Radiolucent Monitoring Electrode 2269T.

Therefore, the MRI-related heating experiments for the 3M Red Dot cardiac monitoring electrode or 3M Red Dot resting electrode at 3-Tesla using a transmit/receive RF body coil at an MR system reported whole body averaged SAR of 2.9 -W/kg or less (see Table Below) (i.e., associated with a calorimetry measured whole body averaged value of 2.7-W/kg) indicated that the greatest amount of heating that occurred in association with these specific conditions was equal to or less than +1.7°C.

Artifact information

MR image quality may be compromised if the area of interest is in the exact same area or relatively close to the position of the 3M Red Dot cardiac monitoring electrode or 3M Red Dot resting electrode. Therefore, optimization of MR imaging parameters to compensate for the presence of this device may be necessary. The maximum artifact size (i.e., as seen on the gradient echo pulse sequence) for each electrode extends a few millimeters relative to the size and shape of the 3M Red Dot cardiac monitoring electrode or 3M Red Dot resting electrode.

3M Electrode	Electrode type	Maximum spatial gradient field (Gauss/cm)	SAR (W/Kg)	Max heating (°C)	Artifact (mm extended)
2244	Cardiac monitoring	720	2.9	<1.5	2
2268	Cardiac monitoring	4000	2	1.4	3
2269T	Pre-wired cardiac monitoring	4000	2	1.7	5
2570	Cardiac monitoring	720	2.9	<1.5	2
2660	Cardiac monitoring	720	2.9	<1.5	2
2670	Cardiac monitoring	720	2.9	<1.5	2
2330	Resting	4000	2	1.3	1
2360	Resting	4000	2	1.3	1

Important note: This 3M™ Red Dot™ ECG Electrode that underwent MRI testing was not connected to an electrocardiograph (ECG) lead and/or an MR conditional monitoring system. Therefore, the safety of using this 3M Red Dot ECG electrode attached to an ECG lead and/or MR conditional monitoring system is unknown. Furthermore, an MR conditional monitoring system typically requires use only with ECG electrodes specifically designed and tested with that specific equipment. It is unknown if this 3M Red Dot ECG electrode is acceptable for use with an MR conditional ECG monitoring system designed to be used to monitor a patient undergoing an MRI procedure.

To learn more about 3M™ Red Dot™ Electrodes, call 3M at 01509 611611 or visit www.3M.co.uk/RedDot

What is Alarm Fatigue? go.3M.com/nuisance-alarms

Sign-up for the 3M Alarm Fatigue Reduction Program: 3M.com/nuisance-alarms

How to Apply and Remove ECG Electrodes: go.3M.com/RedDotHowTo

How to Troubleshoot ECG Artifacts: go.3M.com/TroubleshootingECGArtifacts

Infection Prevention Division

3M United Kingdom PLC
Charnwood Campus
10 Bakewell Road
Loughborough
LE11 5RB

3M Ireland Limited
The Iveagh Building
The Park, Carrickmines
D18 X015
Ireland

01509 611611

+353 (0)1 280 3555

3M.co.uk/RedDot

3M.ie/RedDot

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