



**Medi-Trace™**  
**Cadence Adult Multi-Function**  
**Defibrillation Electrodes**



## The full range

### Medi-Trace™ 'Classic' electrodes

### Medi-Trace™ Cadence RTS

Multi Function Electrodes (Radio-transparent)

### Medi-Trace™ Cadence-PC

Multi Function Electrodes (Pre-connect)

- Suitable for:
  - Emergency defibrillation
  - Cardioversion
  - Monitoring
  - Cardiac pacing
- Raising the bar of safety measures
- Conductive adhesive hydrogel designed to maximise adhesion and electrical contact
- Foam substrate resists fluids and conforms easily to body contours
- Compatible with monophasic and biphasic defibrillators
- Connects directly to defibrillators; no special adapters needed
- Extended two year shelf life



## High quality features

### Gradient Technology



### Excellent Radio-transparency<sup>1</sup>



### Pre-Connect Version



### Colour Coded Packaging



### Direct Connection









Detailed information available in:

<sup>1</sup> "Study on the X-ray transmission properties of defibrillation electrodes", performed by Biomedical Engineering Department at Purdue University, USA, July 2003.

# Medi-Trace™ Multi Function 'Classic' Electrodes

- Standard product for any hospital or emergency application
- Available for the most common defibrillators on the market including older models
- Water resistant foam substrate easily conforms to body contours
- Strong adhesive and conductive hydrogel provides long term stable electrical performance and high tack, but stays friendly to the patient's skin<sup>2</sup>
- Radiotranslucent except for leadwire and connector assembly
- Prewired models plug directly to the defibrillator, the other ones connect using the original manufacturer's interface cable, no additional adapter necessary
- Conductive surface of a single electrode is 79cm<sup>2</sup> or 158cm<sup>2</sup> per pair
- Compatible with mono and bi-phasic waveforms

## Order information

Reorder number	Match Code	May be used in place of:	Quantity/ Pouch	Pairs/Case	
31319281	1310P	Medtronic Physio-Control Quik-Combo™ Pacing/Defi/EKG Electrodes	1 pair	10	
31177721	1210H	Philips™* (Hewlett Packard) M3502A Barrel Connector Multifunction Adult Electrodes	1 pair	10	
31469219	1410Z	Zoll Stat-Padz™ Multifunction Adult Electrodes	1 pair	10	
31319315	1510M	Marquette™* E9004xx Defibrillation/Pacing Electrodes	1 pair	10	
31177705	1010P	Medtronic Physio-Control Fast Patch™ Defibrillation, ECG Monitoring Electrodes	1 pair	10	
40000006	1710H	Philips™* DP2, DP6, Agilent* M3713A, Multifunction Adult Electrode & Laerdal Medical™* DP2 & DP6 Multifunction Adult Electrodes	1 pair	10	

# Medi-Trace™ Cadence RTS Multi Function Electrodes (Radio-transparent)

- Excellent radiotransparence<sup>1</sup>
- Medi-Trace™ Cadence RTS electrodes connect directly to equipment to ensure a reliable connection
- Patented Gradient Technology and oval shape designed to dispense energy uniformly
- Compatibility to OEM equipment eliminates need for special adapters or cable manipulation
- Colour coded packaging and connector illustrations for quick and easy identification of product
- Up to 117cm (46 inch) long integrated leads allow for more comfortable work with the product
- Conductive layer made of Ag/AgCl
- Conductive surface of a single adult electrode is 102cm<sup>2</sup> or 204cm<sup>2</sup> per pair (55cm<sup>2</sup> of a single and 111cm<sup>2</sup> of a pair of pediatric electrodes)
- Full compliance to ANSI/AAMI DF80:2003 standard even after prolonged external pacing



## Order information


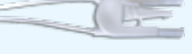
	May be used in place of:	Quantity/ Pouch	Pairs/ Case	
22550A	Physio-Control Quik-Combo™* 11996-000091	1 pair	10	
22550R	Physio-Control Quik-Combo™* RTS 11996-000090	1 pair	10	
22550P	Physio-Control Pediatric Quik-Combo™* 11996-000093	1 pair	5	
22770R	Zoll Pro-Padz™* 8900-2100-01, 8900-4005, 8900-2303-01, 8900-2055	1 pair	10	
22770P	Zoll Pedi-Padz™* 8900-2065, 8900-3000-01	1 pair	5	
22660R	Philips™* M3713A, M3716A & M3718A, DP2, DP6	1 pair	10	
22660P	Philips™* M3717A, M3719A	1 pair	10	
22661R	Philips™* (HP) Pediatric M3501A, M3502A	1 pair	10	
22661P	Philips™* (HP) Pediatric M3503A, M3504A	1 pair	5	

# Medi-Trace™ Cadence-PC

## Multi Function Electrodes (Pre-Connect)

- Designed particularly for emergency application
- Allow you to Pre-Connect directly to the defibrillator before you open the pouch
- Available for the most common defibrillators on the market
- Patented Gradient Technology and oval shape designed to dispense energy uniformly
- Up to 117cm (46 inch) long integrated leads allow for more comfortable work with the product
- Colour coded packaging and connector illustrations for quick and easy identification of product
- Compatibility to OEM equipment eliminates need for special adapters or cable manipulation
- Conductive layer made of Ag/AgCl
- Conductive surface of a single adult electrode is 102cm<sup>2</sup> or 204cm<sup>2</sup> per pair
- Full compliance to ANSI/AAMI DF80:2003 standard even after prolonged external pacing
- Extended two year shelf life

### Order information

Reorder number	May be used in place of:	Quantity/ Pouch	Pairs/ Case	
22550PC	Physio-Control Redi-Pak™* 11996-000017	1 pair	10	
22660PC	Philips™* 989803166021	1 pair	10	
22661PC	Philips™* (HP) Barrel Connector M3501A & M3502A	1 pair	10	
22770PC	Zoll Stat-Padz™* 8900-4003	1 pair	10	



# High quality features

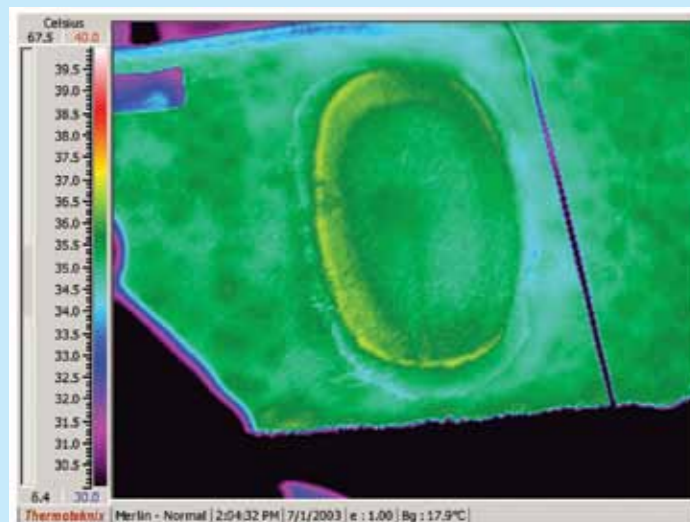
A Gradient Technology is applied to the silver/silver chloride (Ag/AgCl) composition of Medi-Trace™ Cadence electrodes, resulting in a more uniform distribution of current under the electrode during defibrillation.<sup>2</sup>

## Compare Distribution of Current using Thermograms<sup>(a)</sup>

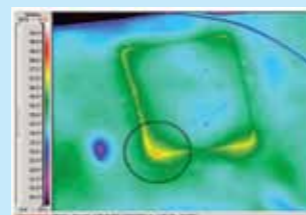
- Medi-Trace™ Cadence electrodes clearly illustrate the benefit of a more uniform distribution of current, with reduced skin injury compared with electrodes without edge-manipulation technology<sup>2</sup>
- Medi-Trace™ Cadence electrodes do not show the concentrated energy areas or “hot spots” that may cause skin injury<sup>2</sup>

(a) Thermograms were taken 3.60 seconds after defibrillation using a bi-phasic defibrillator

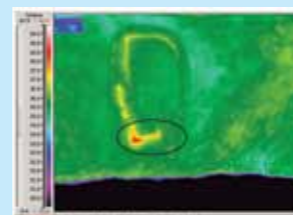
Medi-Trace™ Cadence



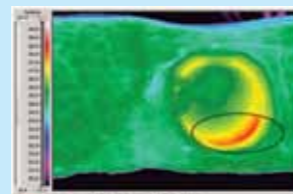
Competitor A



Competitor B



Competitor C

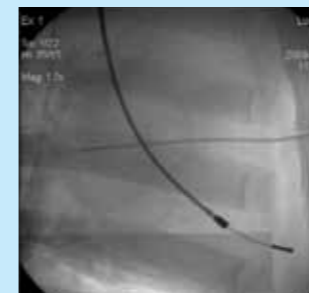


## Compare Radiotransparency under X-ray<sup>(b)</sup>

- Medi-Trace™ Cadence RTS has superior radiotransparency in comparison to Zoll Pro-Padz™\* Bi-phasic and Phillips Heartstart™\* Radiolucent electrodes under normal X-ray levels<sup>3</sup>
- Medi-Trace™ Cadence RTS electrodes feature Nickel-Carbon leadwires resulting in total radiotransparency of the entire product<sup>1</sup>
- US Food & Drug Administration authorized Covidien to market Kendall™ Medi-Trace™ Cadence RTS electrodes as radiotransparent rather than radiolucent product

(b) X-rays were taken at 64 kVp; X-ray reference is aluminum bar at 64 kVp

Medi-Trace™ Cadence RTS



Zoll Pro-Padz™\* Bi-Phasic



Phillips Heartstart™\* Radiolucent



## Feel Safe to use Medi-Trace™ Cadence Electrodes for Prolonged External Pacing

- Designed to delay onset of alkaline environment resulting from prolonged external pacing
- Easy to use and simple Pacing Time Calculation Chart supplied with each IFU booklet helps to reduce the risk of “chemical pacing burns”

Complete information on the performed tests available in:

2 “A Reduced Skin-Irritation Defibrillation Electrode” – 30th Annual Northeast Bioengineering Conference, Springfield, MA, USA, 2004 – P.F. Meyer, P.D. Gadsby, D. Van Sickle, W.E. Schoenlein, K.S. Foster, and G.P. Graber

Detailed information available in:

1 “Study on the X-ray transmission properties of defibrillation electrodes”, performed by Biomedical Engineering Department at Purdue University, USA, July 2003.

3 “Electrode Chemistry of Prolonged External Pacing” – P.F. Meyer & P.D. Gadsby, 30th Annual Northeast Bioengineering Conference, Springfield, MA, USA, 2004.

# The full range Medi-Trace™ Multi Function 'Classic' Electrodes



## Medi-Trace™ Multi Function 'Classic' electrodes

Standard, high quality electrodes for any hospital or emergency application – available for most common defibrillators



## Medi-Trace™ Cadence RTS Multi Function Electrodes (Radio-transparent)

Nickel-Carbon leadwires are designed to achieve excellent radiotransparency under X-ray



## Medi-Trace™ Cadence-PC Multi Function Electrodes (Pre-Connect)

Electrodes designed particularly for emergency use – allow direct pre-connection to defibrillator before the pouch is opened

FOR FURTHER INFORMATION, PLEASE CONTACT YOUR LOCAL COVIDIEN REPRESENTATIVE

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