

FR2 INFANT/CHILD ATTENUATED DEFIBRILLATOR PADS



EXTENDING THE EARLY DEFIBRILLATION STANDARD OF CARE TO OUR CHILDREN

Philips HeartStart FR2 Infant/Child Attenuated Defibrillator Pads enable minimally trained responders to safely and promptly defibrillate infants and children under 8 years or 55 pounds with a Philips or Laerdal FR2-series automated external defibrillator. Now the youngest cardiac arrest victims can benefit from early defibrillation. The FR2 series defibrillators are cleared for use on adults and children of any age.

Studies indicate that shockable ventricular fibrillation (VF), while not common in children, is not rare. In Guidelines 2000, the American Heart Association advises, "In summary, although VF is not a common arrhythmia in children, it is observed in as many as 15% of pediatric and adolescent arrests. In these patients, rapid defibrillation may improve outcomes."

These special disposable infant/child pads contain electronics that attenuate, or reduce, the energy of the defibrillator's shock from 150 to 50 Joules (J).

A recent study showed that 50 J is an appropriate dosage of SMART Biphasic therapy for infants and small children.¹ And the FR2-series defibrillators are able to evaluate children's heart rhythms with outstanding accuracy for appropriate shock/no-shock decisions.²

The pads' design was carefully thought out to ensure that, even for the most inexperienced users under the most stressful circumstances, it is instantly obvious that these pads are for children and infants only. This helps ensure that the correct pads are chosen when you need to be prepared to treat both adults and children.

The HeartStart FR2 Infant/Child Pads are an appropriate accessory for FR2 series defibrillators deployed in schools, theme parks, pools, sports and recreational facilities, and any other setting where small children may be present. They are also appropriate in public safety applications (EMS, fire and police).

Features and Benefits

Packaging, graphics, and pink teddy bear-shaped connector clearly communicate pediatric use, so that the correct pads are chosen.

Smaller size pads fit smaller torsos better.

Standard pad placement is Anterior-Posterior for easier placement on small torsos.

Special infant/child training pads with a yellow teddy bear-shaped connector are available for responder training.

M3870A**FR2 PEDIATRIC ATTENUATED DEFIBRILLATOR PADS****Pad placement**

- Anterior/Posterior recommended (shown on pads).
- Alternatively, Anterior/Anterior.

Shelf life

- 2 years from date of manufacture.

Energy delivered

- Nominal 50 J via built-in attenuator that reduces defibrillator's 150 J shock energy by 2/3.

Defibrillator compatibility

- Compatible only with Heartstream FR2, Laerdal Heartstart FR2, and Philips HeartStart FR2+ defibrillators.
- Not compatible with any other automated external defibrillator, manual defibrillator or adapters due to safety considerations (risk that defibrillator operator may inadvertently deliver less energy than expected when manually selecting a pediatric dose by not taking into account the 2/3 energy reduction of the pads).
- Connector has "key" rib that prevents it from fitting into other automated external defibrillators, manual defibrillators, and adapters.

Pediatric waveform specifications

- See product documentation accompanying the FR2-series defibrillator.

Pad surface area

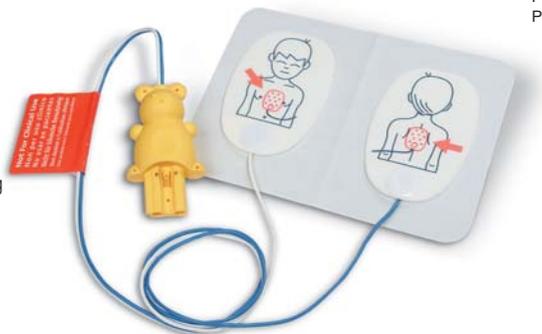
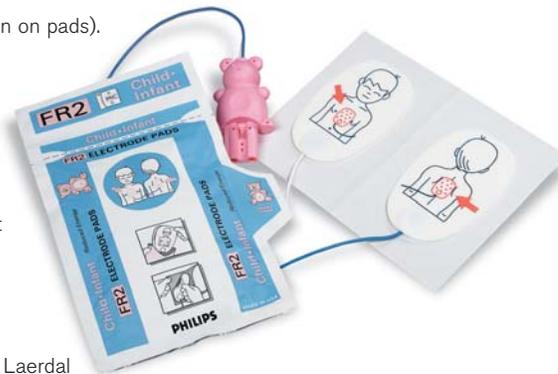
- Conductor: 32 cm²
- Gel: 44 cm²

Indications for use

- Patient is unresponsive, not breathing, under 8 years or 55 pounds (25kg).
- If patient is older, or larger, or if responder is unsure, use HeartStart AED Defibrillator Pads (product number DP2 or DP6).

M3871A**FR2 INFANT/CHILD TRAINING PADS**

- For use only with the Heartstream FR2, or Laerdal Heartstart FR2, and the Philips HeartStart FR2+ in training mode or the AED Trainer 2 (M3752A)
- No conductor in pads; not capable of delivering a shock
- Yellow teddy bear-shaped connector
- Reusable



1. Tang, et al. Pediatric Fixed Energy Biphasic Waveform Defibrillation Using a Standard AED and Special Pediatric Electrodes. Supplement to *Circulation*, Abstracts from the 72nd Scientific Sessions, Atlanta, Georgia, November 7-10 1999.
2. Cecchin, et al. Is Arrhythmia Detection by Automatic External Defibrillator Accurate for Children? Sensitivity and Specificity of an AED Algorithm in 696 Pediatric Arrhythmias. *Circulation* 2001; 103:2483-2488, May 22, 2001.

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