



Making labor safer for women and their babies

MERIDIAN M110 Disposable Electrode Patch

Today's electronic fetal monitoring relies on outdated technology, employing four different sensors that lack reliability, frequently require repositioning, cause discomfort, and carry the risk of infection. The MERIDIAN M110 Fetal Monitoring System eliminates all these issues while providing the same outstanding performance and reliability across the full range of patient BMIs.

The MERIDIAN Electrode Patch eliminates the need for skin preparation and replaces the fetal scalp electrode, intrauterine pressure catheter, Doppler, and TOCO sensors with a single non-invasive disposable system, while maintaining the same accuracy and sensitivity performance expected of today's monitoring devices. Frequent repositioning associated with existing non-invasive monitoring is eliminated, as well as the risk of infection associated with invasive monitoring.



The MERIDIAN M110 Electrode Patch contains hypoallergenic gel electrodes which pick up ECG signals from the mother's skin on her abdomen, chest, and thigh. These ECG signals are the source of the fetal and maternal heart rate values used to monitor the fetus. The same electrodes also pick up EHG signals, uterine muscle activity, that are the source of uterine activity or contraction values used to monitor labor progression.

As the cornerstone of the MERIDIAN M110 Sentinel™ Technology, the MERIDIAN M110 Electrode Patch consists of four patches, two for the mother's abdomen and one for each of her sides, which provides continuous fetal ECG signal pick up for any fetal position or movement. With complete abdominal coverage, the MERIDIAN M110 Electrode Patch delivers the most accurate and detailed fetal ECG of any product, setting a new gold standard in fetal monitoring sensor technology.

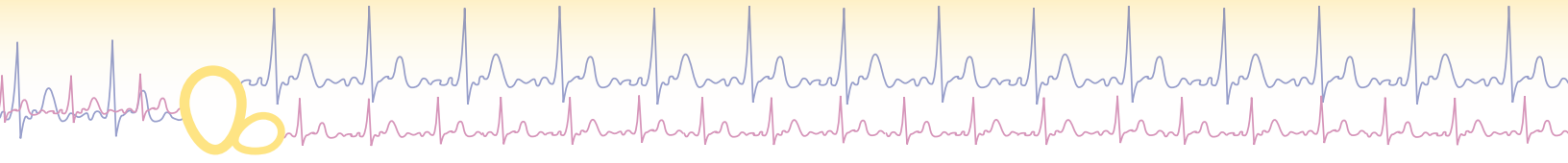
The MERIDIAN M110 Electrode Patch's proprietary electrode gel eliminates skin prep to the mother's abdomen, making placement of the sensor fast, easy, and comfortable. The MERIDIAN M110 Electrode Patch design fits all abdominal sizes and is disposable.



Indications for Use

The MERIDIAN M110 Fetal Monitoring System is an intrapartum fetal monitor that externally measures and displays fetal heart rate (FHR), maternal heart rate (MHR), and uterine contractions (UA). The MERIDIAN M110 Fetal Monitoring System acquires and displays the FHR and UA from abdominal surface electrodes that detect the fetal ECG signals, maternal ECG signals, and of uterine muscle contraction signals. Tracings of FHR and UA are displayed onto a primary fetal monitor.

The MERIDIAN M110 Fetal Monitoring System is indicated for use on women who are at ≥ 37 completed weeks, in labor, with singleton pregnancies, using surface electrodes on the maternal abdomen. The MindChild MERIDIAN is intended for use by health care professionals in a clinical setting.

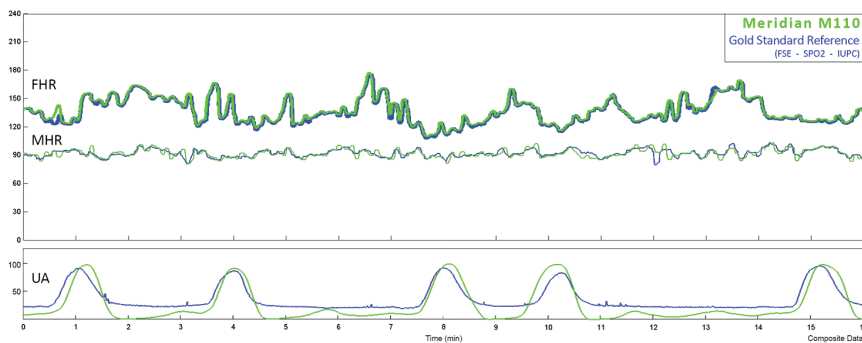


MERIDIAN M110 Advantages

	Fetal Heart Rate			Uterine Contractions	
	Doppler	FSE	mindchild	TOCO	IUPC
Consistent, Reliable and Highly Accurate	X	✓	✓	X	✓
Non-Invasive	✓	X	✓	✓	X
Dynamic Tracking No Continual Repositioning	X	✓	✓	X	✓
Eliminate Risk of Internal Infection	✓	X	✓	✓	X
Maternal and Clinician Peace of Mind	X	X	✓	X	X
Multi-Sensor Capabilities All-in-One Solution	X	X	✓	X	X

- » Uninterrupted Monitoring
- » Peace of Mind
- » Best-in-Class Performance
- » Replaces Existing 4 Sensors

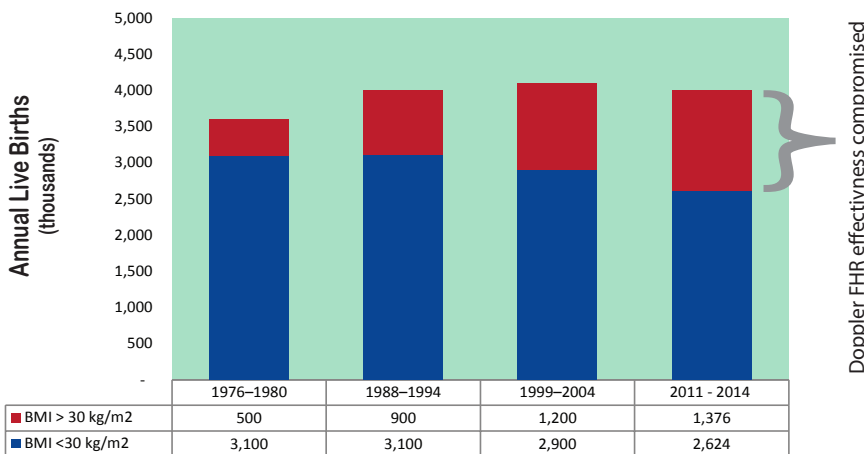
MERIDIAN M110 Accuracy



Specifications

Part Number	MDPA1
Description	Electrode array (4) and two individual electrodes
Electrode	Sticky hydrogel
Use	Single use, disposable
Skin Prep	No abrading required
Material	Foam
Wear Time	Up to 24 hours
Shelf Life	12 months
Size (inches) W x L	Abdomen patch: 10.3 x 10.6 Side patch: 6.7 x 5.3 MECG & Ground: Ø 1.4
Size – Metric (mm) W x L	Abdomen patch: 260 x 270 Side patch: 170 x 135 MECG & Ground: Ø 35
Package Contents	1 set per bag 20 bags per box 5 boxes per shipping carton
Order Part No.	MCD100

Increasing Maternal BMI



21 CFR §801.109: "Caution: US Federal Law restricts this device to sale by or on the order of a physician"

MindChild MERIDIAN is protected by patents in the United States and elsewhere. 7,949,389 - 8,805,485 - 8,892,181

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