

LullabyTM

PEDIATRIC SENSORS

by **DyMedix**[®]
DIAGNOSTICS





INNOVATIVE PHYSIOLOGICAL SENSING FOR THE YOUNGEST PATIENTS

For decades, Dymedix Diagnostics has been at the forefront of pediatric physiological sensing, developing specialty-sized sensors engineered to meet the unique needs of infants, children, and adolescents. Our commitment to innovation traces back to the discovery and early adoption of polyvinylidene fluoride (PVDF), a breakthrough material that continues to shape the future of diagnostic sensor technology.

PVDF's distinctive ability to generate its own electrical signal when stimulated by temperature change, movement, vibration, tension, or pressure has made it a trusted foundation for modern physiological monitoring. As Todd Eiken, RPSGT, FFAST, Vice President of Product Development, explains, "PVDF is now becoming a more and more recognized acronym within the sleep and neurodiagnostic testing communities. It's the perfect material for monitoring many kinds of physiological signals."

One of PVDF's most important advantages is its thin, film-like construction, which naturally supports single-use, disposable sensor designs. The shift toward disposable solutions has accelerated in recent years, particularly as healthcare facilities prioritize infection-control strategies and work to eliminate cross-contamination risks.

The Lullaby™ Pediatric Sensors collection represents the most comprehensive and precise family of pediatric physiological sensors available today. Each sensor is engineered with smaller form factors and advanced PVDF technology to deliver exceptional sensitivity, comfort, and reliability across a wide range of diagnostic applications—including sleep studies, neurodiagnostic assessments, and other procedures where accurate physiological monitoring is essential.

Building on this foundation, Dymedix has introduced a new level of customization for sleep diagnostics with the MyCustomPSG™ Kit. This innovative solution allows clinicians to hand-select the specific Lullaby sensors they prefer, assembling a tailored, single-use sensor kit that aligns perfectly with their workflow, patient population, and clinical preferences.

ADVANCING PEDIATRIC CARE TOGETHER

The Lullaby Pediatric Sensor family reflects Dymedix's ongoing commitment to improving diagnostic accuracy, enhancing patient comfort, and supporting clinicians with dependable, thoughtfully engineered tools. We invite you to explore the full collection and discover how Dymedix can support your pediatric diagnostic needs with solutions designed for precision, safety, and clinical excellence.



DISPOSABLE AIRFLOW SENSORS



TRIPLEPLAY™ PVDF AIRFLOW

SENSORS Extreme sensitivity and response time. Responds to changes in both temperature and pressure providing accurate detection of Apnea, Hypopnea, and Flow Limitation, all with one sensor. Designed for use with a TriplePlay™ FM airflow filtration module.

iFM INFANT FILTRATION MODULE

The Dymedix iFM is a specialized airflow interface cable for the Lullaby™ line of pediatric airflow sensors. It incorporates a filtration module that boosts and filters airflow waveforms allowing for more accurate and detailed sensing of airflow activity from neonate and infant patients.

DISPOSABLE RESPIRATORY EFFORT SENSORS



SNUGGLEFIT™ INFANT EFFORT SYSTEM

is a disposable respiratory effort system designed specifically for infants. The SnuggleFit™ responds to both strain and pressure making it extremely sensitive and incorporates our disposable cut-to-size Button-Hole™ disposable belt material.



FAST TRACK™ EFFORT PACK

is the first and only completely disposable respiratory effort solution. Each FastTrack™ Effort Pack includes single use Chest and Abdomen effort belts incorporating our cut-to-size Button-Hole™ strap system. Plug and Play, Throw it Away.



GENTLETOUCH EFFORT PATCH

is a beltless adhesive respiratory effort patch engineered with PVDF technology to provide accurate thoracic or abdominal effort waveforms without the use of an elastic belt. The single-use GentleTouch effort patch is a perfect solution for neonate, infant or older patients who have difficulty tolerating a traditional effort belt.



PERFECTFIT™ 2 REUSABLE PEDIATRIC EFFORT BELT

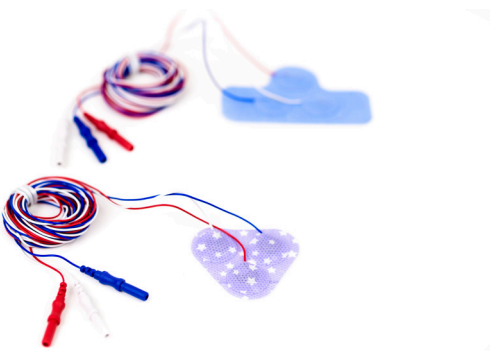
The PerfectFit™ 2 Reusable Pediatric Effort Belt incorporates PVDF technology for enhanced sensitivity to strain and pressure making it ideal for testing in the pediatric patient population. The reusable effort module fits neonate, infant and pediatric patients. The PerfectFit™ 2 belts are easy to clean and always maintain polarity.

DISPOSABLE EEG & EMG MOVEMENT SENSORS



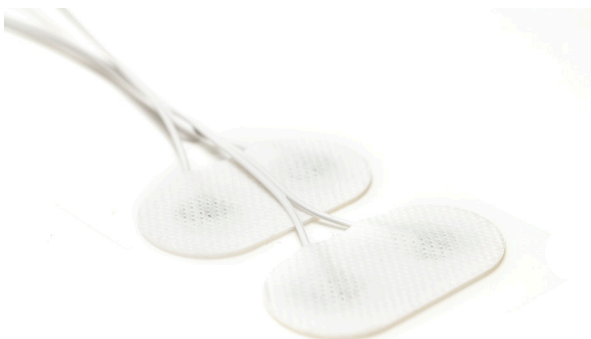
PRECISION GOLD™ DISPOSABLE EEG ELECTRODES

Disposable gold-plated EEG cup electrodes at a very affordable price. Designed with a flat rim and rounded edges for exceptional patient comfort, especially during extended monitoring. Includes a flexible and durable hub connector with strain relief. Available in 6mm Pediatric and 9mm Adult sizes.



PEDIATRIC TRIPLECHIN™ EMG PATCH

A completely disposable submental chin EMG electrode patch. Three electrodes perfectly spaced with an adhesive backing for easy application and reliable EMG signals. Also available in adult size for older pediatric patients.



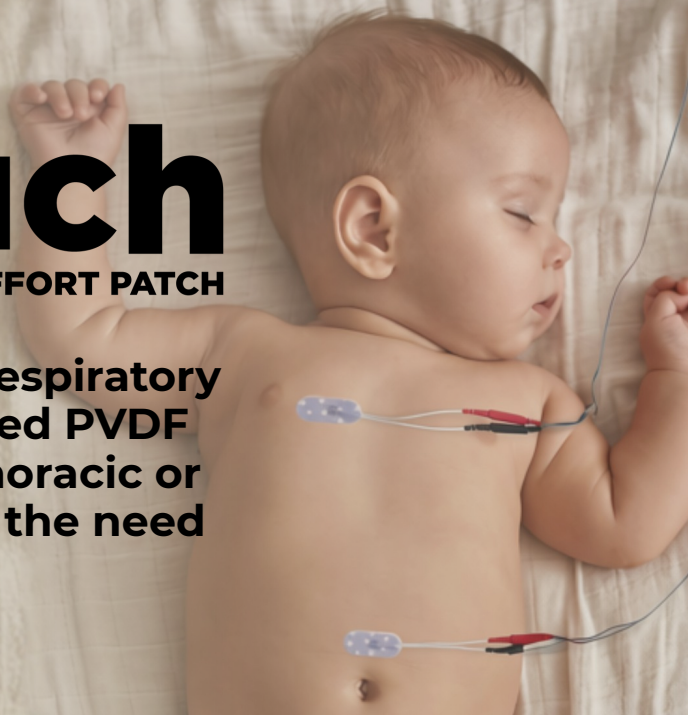
MOTIONWAVE™ DUAL EMG PATCH

is the only completely disposable pre-measured dual EMG electrode patch. No snaps and no lead wires to clean. Use it once and discard the entire sensor, wires and all. Used for numerous EMG monitoring placements including intercostal respiratory EMG and extremity EMG.

GentleTouch

RESPIRATORY EFFORT PATCH

GentleTouch™ is a belt-free, adhesive respiratory effort sensor engineered with advanced PVDF technology. It delivers clear, reliable thoracic or abdominal effort waveforms—without the need for a restrictive elastic belt.



- Ideal for neonate, infant, and older pediatric patients who struggle to tolerate standard effort belts
- Fully disposable design for simple, hygienic use
- Adhesive backing allows repositioning to optimize respiratory movement capture
- Universal, one-size-fits-all format
- Available in 10-pack or 20-pack quantities

The GentleTouch™ Interface Cable (sold separately) is compatible with all PSG and EEG systems.

DyMedix®
DIAGNOSTICS
*Experience you can trust;
Performance you can count on.*

(888) 212-1100 | info@dymedix.com

MK-0165

The most advanced
and innovative family of
diagnostic sleep sensors
***made especially for
pediatric patients.***

Dymedix Diagnostics® designs sleep sensors with comfort and accuracy in mind for infants and children—our most sensitive patients.

Using PVDF technology, respiratory effort, movement and airflow monitoring has never been more accurate and easier for technologists and patients.

Our Lullaby™ family of pediatric sensors are available in both disposable and reusable options.

MK-0146





YOU CAN HAVE IT ALL.

Create a kit that fits. Start with our core kit, and customize with add-ons that meet your needs.

Contact your distributor or visit dymedix.com to create your custom PSG kit.

DISTRIBUTORS

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1-800-325-0283
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