

natus<sup>®</sup>  
pediatrics



# LifeGuard™ Electrodes With Hydrogel

Designed to Last – Even in High  
Humidity Environments

- Longer-lasting than standard electrodes
- Refresh with a drop of water
- Strong, reliable adhesion, even in high humidity incubators
- Patented, two-layer Hydrogel – one layer secures electrode to skin with special, gentle formula; the second ensures electrode bonding
- Predictable performance through accurate mesh placement and precise formulation



## Longer-Lasting Electrodes Designed for Baby Skin – LifeGuard™ Electrodes.

Finally, a neonatal and pediatric electrode that stays in place and lasts, even in high humidity environments – The LifeGuard Electrodes proprietary design offers:

- Superior adhesion and re-application.
- Approximately three to four days of use, with some hospitals reporting several days of continued high humidity use and even longer in conventional use.
- Patented hydrogel, specifically designed for tender infant skin and offering greater resistance to dry-out.
- A special urethane “umbrella” coating that shields against moisture.
- Patterned mylar backing.
- Greater baby comfort, with fewer sleep interruptions due to electrode re-sticking.
- Continual, economical reuse – even after baths.

Hawaii Medical  
LifeGuard™



## LifeGuard Electrodes: Accuracy, Reliability, and Baby Comfort

The world's most innovative electrode and hydrogel company has developed and made available to us a line of neonatal electrodes for the new millennium: LifeGuard™ Electrodes. Years in development, these patented electrodes combine superior signal capture, patented hydrogel, and a unique moisture barrier. As a result, LifeGuard Electrodes offer highly accurate, longer-lasting performance in high humidity and normal environments, and are radio translucent.

### LifeGuard Electrodes vs. Conventional Electrodes

#### CONVENTIONAL ELECTRODES

With traditional electrodes, a single layer of hydrogel is burdened with two jobs: To aggressively hold the electrode together and to remain gentle against the baby's skin. Consequently, the gel's formulation is compromised, sacrificing either gentleness or aggressiveness.

In addition, the thin, fabric mesh that gives hydrogel its body floats unpredictably during gel production. This can result in erratic performance and increased electrode failure. If the mesh is near the top of the gel, the electrode may delaminate. If it is near the bottom, there may be insufficient gel for satisfactory skin adhesion.

#### CONVENTIONAL ELECTRODES



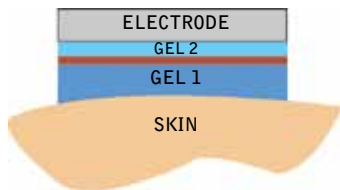
#### LIFEGUARD ELECTRODES

LifeGuard Electrodes™ innovative, patented design includes two layers of Hydrogel, each distinctly formulated for a specific task: Layer One for delicate skin adhesion, Layer Two for aggressive electrode bonding.

The LifeGuard Electrode mesh is securely locked between the hydrogel layers, ensuring predictable performance, greater accuracy, and a dramatically minimized failure rate.

Furthermore, LifeGuard Electrodes have a thin urethane coating that act as an umbrella to protect against moisture and keep the electrodes looking like new. And a patterned mylar backing makes our electrodes easy to spot.

#### LIFEGUARD ELECTRODES



## The Industry's Only Two-Layer Hydrogel

Key to LifeGuard Electrodes is the patented Hydrogel, the industry's only two-layer hydrogel. The first layer is engineered specifically for tender infant skin. The second layer aggressively holds the electrode together in a secure bond, helping eliminate electrode delamination.

What's more, the Hydrogel is precisely formulated for low moisture absorption and superior resistance to dry-out. That means they're gentle on even the most fragile baby skin, yet strong enough to last several days. And the Hydrogel comes off easily, with no residue.

### Ordering Information

ITEM #	DESCRIPTION	QUANTITY
1020013	LifeGuard™ Electrodes Radio Translucent (with lead wires attached)	3 Electrodes per Pouch 100 per Box



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