

A lasting solution for your most fragile patient

Philips NeoLead electrodes for ECG Monitoring

The delicate, fragile nature of the smallest patients in the NICU calls for specialized care right from the start. Philips NeoLead electrodes offer stable and reliable ECG monitoring designed for the needs of neonates and infants in the humid environment of an incubator; available in three sizes for even the smallest premature patients. Each NeoLead is designed specifically to stay attached for five to seven days without irritating skin, providing consistent monitoring and limiting false alarms, interruptions, and excess costs. Philips NeoLeads support Developmental Care practices with features to increase parental interaction, a vital step for both parents and child at a crucial stage of development.

Key advantages

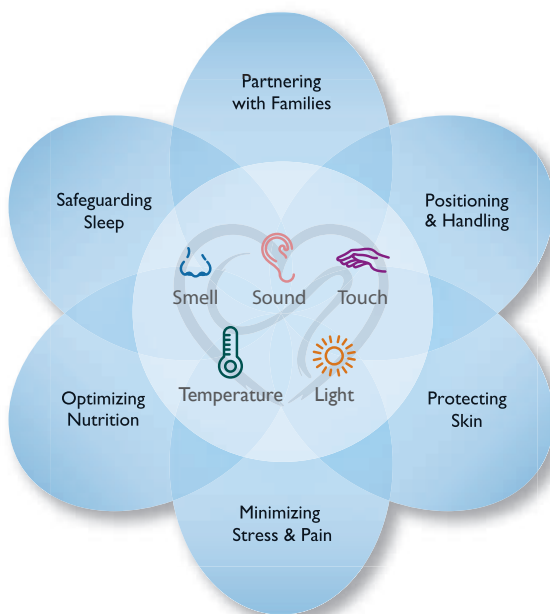
- Provides clear and consistent ECG monitoring up to seven days without replacing electrodes, helping to enhance the quality of care by limiting sleep interruptions and supply costs
- Designed specifically to stay in place in a high-humidity incubator environment without causing irritation to the delicate skin of vulnerable neonatal patients
- Supports Developmental Care practices and parental interaction in a critical period of a baby's life

PHILIPS

Gentle yet long lasting

Featuring a unique hydrocolloid border that gently and effectively adheres to delicate skin, Philips NeoLeads provide long-lasting electrode adherence for uninterrupted ECG monitoring designed with both patient and parent in mind.

- **Unique electrode** is constructed to stay on in an incubator's highly humid environment for five to seven days, limiting false alarms, needless interruptions, and excess costs that may result when the electrodes fall off.
- **Multiple sizes treat the full range of neonatal patients** – even those born as early as 24 weeks from gestation.
- **Hydrocolloid adhesive border** withstands high humidity and even bathing, yet is safe and gentle on fragile neonatal skin, adhering for the full duration without causing irritation.
- **Hydrogel center** is surrounded by adhesive edge, eliminating the sticky, oozing gel of other neonatal electrodes that can stick to bedding or clothing.
- **60cm (24in) wire** allows parents to easily hold their baby without interrupting monitoring, supporting the developmental practice of kangaroo care.
- **Does not contain latex, phthalates, DEHP, or BPA** to be gentle on the most sensitive skin.



Committed to Integrative Developmental Care

This evidence-based framework for care provides clinicians with innovative solutions designed especially to support and nurture each mother and baby. The hydrocolloid border on Philips NeoLead electrodes helps protect fragile newborn skin while providing long-lasting adhesion, and limiting the interruptions to the baby's sleep. A long lead wire allows parents to practice kangaroo care, an important Developmental Care technique crucial to parental-infant bonding during the early periods of a baby's life.¹

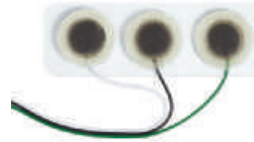
Philips NeoLead electrodes

All Philips NeoLead electrodes are pre-wired and designed to provide excellent ECG tracings and exceptional sensor stability.



Philips NeoLead Standard

- Size – 25mm (1in) circle



Philips NeoLead Radiolucent

- Size – 25mm (1in) circle
- Radiolucent, will not appear on X-ray images



Philips Mini NeoLead

- Size – 19mm (.75in) circle
- 25% smaller than the standard version
- Small enough for even the tiniest micro-premies
- Can be placed anywhere on the body

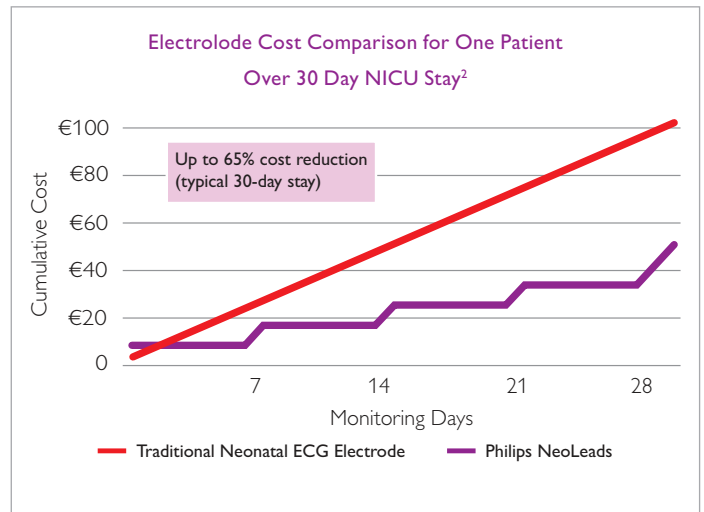


Philips Micro NeoLead

- Size – 25mm x 9.5mm (1in x .37in) rectangle
- Hydrocolloid edges attach to limb with no strap or band to inhibit circulation
- Radiolucent, will not appear on X-ray images
- Can monitor on patient limb or traditional chest placement

Longevity means improved financial outcomes

Philips NeoLead electrodes feature a unique combination of hydrocolloid and hydrogel that offers lasting adhesion without causing irritation to fragile skin, staying on for between five to seven days instead of the industry-standard 24 hours. Longer adhesion times could allow for customers to realize a cost benefit after just three days.



Product Number	Product Name	Description
989803183081	Mini NeoLead, AAMI metal lead	Pouch of 3 metallic pre-attached leadwire (24") pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. AAMI, Standard DIN connector. 3/4" round.
989803183091	Mini NeoLead, IEC metal lead	Pouch of 3 metallic pre-attached leadwire (60cm) pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. IEC, Standard DIN connector. 19mm round.
989803183101	NeoLead, AAMI metal lead	Pouch of 3 metallic pre-attached leadwire (24") pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. AAMI, Standard DIN connector. 1" round.
989803183111	NeoLead, IEC metal lead	Pouch of 3 metallic pre-attached leadwire (60cm) pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. IEC, Standard DIN connector. 25mm round.
989803183121	NeoLead, AAMI radio lead	Pouch of 3 radiolucent pre-attached leadwire (24") pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. AAMI, Standard DIN connector. 1" round.
989803183131	NeoLead, IEC radio lead	Pouch of 3 radiolucent pre-attached leadwire (60cm) pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. IEC, Standard DIN connector. 25mm round.
989803183141	Micro NeoLead, AAMI radio lead	Pouch of 3 radiolucent pre-attached leadwire (24") pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. AAMI, Standard DIN connector. 1" x 3/8".
989803183151	Micro NeoLead, IEC radio lead	Pouch of 3 radiolucent pre-attached leadwire (60cm) pediatric/neonatal ECG electrodes. Hydrogel/Hydrocolloid adhesive. IEC, Standard DIN connector. 25mm x 9.5mm.

Product Specifications	
Leadwire length	61cm (24in)
Backing material	Soft cloth
Electrode materials	Hydrogel with hydrocolloid border
Leadwire material	Copper for metallic versions; carbon for radiolucent versions
Connector	Standard DIN
Shelf Life	2 – 3 years from date of manufacture
Wearing time	5 – 7 days
X-Ray Compatible	Radiolucent versions only
Packaging	3 electrodes per pouch, 50 per box Sold in box quantities only

¹ Altimer, L. & Phillips, R. (2013) The Neonatal Integrative Developmental Care Model: Seven Neuroprotective Core Measures for Family Centered Developmental Care. NAINR: 13(1): 9-22
² Based on replacing NeoLeads every seven days versus 24-hour replacement recommendations for Standard Neonatal ECG electrodes. Cumulative cost comparisons based on list prices for Philips NeoLeads versus Philips Standard Neonatal ECG monitoring electrodes, as of May 2013.

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Please visit www.philips.com/neoleads



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