

Accurately and conveniently measures and monitors the level of bilirubin to assess the risk of neonatal hyperbilirubinemia.

Perfect for use in the NICU, newborn nursery, mother's room or pediatrician's office.



## The Next Generation Transcutaneous Bilirubin Meter:

- Simple for the User & Gentle on the Baby
  - Reduces the need for or number of heel sticks by providing accurate measurements at the bedside
  - Only requires a single measurement per test
- LED Transmission Technology Reduces User Variances & Maintenance Requirements
  - Less sensitive to motion artifacts & measurement differences based on user technique
  - LEDs do not deteriorate over time eliminating the requirement for routine device calibration

## ADVANCED TECHNOLOGY FOR ACCURATE

### Speed and convenience

- Reduces number of blood tests via heel puncture
- Can use just one measurement or average 2–3 measurements
- Can use with or without entering baby's ID
- Large, clear display is easy to use
- Resistive touch screen can be used with or without gloves
- Menu-driven user interface minimizes training needs, facilitating use by multiple caregivers
- Memory up to 40 measurements saves time in transcribing and comparing results
- Barcode scanner facilitates quick and accurate entry of caregiver and baby identification

### Accuracy

- The BiliCare System was validated in clinical studies to produce results comparable to blood tests
- Repeatability testing confirms reliable results
- Option to enter both patient and user identification facilitates hospital audits and quality assurance

### Low cost of ownership with a choice of reusable or disposable tips

- The BiliCare System is capable of working with or without infection control tips
- LEDs do not require routine calibration, minimizing downtime associated with maintenance and cost associated with service
- Long-lasting, rechargeable battery with cradle allows extended use and ease of recharging



# MEASUREMENTS IN A NON-INVASIVE DEVICE

## Ease of Use — just follow the simple prompts for quick measurement where and when you need it

Neonatal jaundice is a common condition, but when not carefully monitored, hyperbilirubinemia can lead to kernicterus, a devastating condition. Early measurement of bilirubin levels, leading to early intervention is recommended but the time to take a blood sample and trauma to the baby made universal screening difficult. Now, the Bilicare System provides a cost and time effective way to monitor bilirubin levels without unnecessary heel sticks.

### 1 Simply press measure on the home screen to initiate the measurement process

Depending on the setup options chosen, you can take the measurement or enter Nurse and/or Patient IDs. These IDs may be scanned with the built-in barcode reader, or may be entered manually using the onscreen keyboard.



### 2 Position the BiliCare clip on the baby's ear to take your measurement

Pressure is applied automatically (not by the user) and the angle at which you position the device is not an issue, so regardless of whether this is your first or hundredth time using the BiliCare system, your results will be the same.



### 3 You are now ready to review your results or take additional measurements per your hospital protocol and device set-up



## If phototherapy is deemed necessary, select a neoBLUE® LED Phototherapy system to meet the use environment



neoBLUE LED Phototherapy



neoBLUE mini LED Phototherapy



neoBLUE cozy LED Phototherapy



neoBLUE blanket LED Phototherapy

## The BiliCare Transcutaneous Bilirubin Meter

The BiliCare System measures the level of bilirubin using a patented technology that has been validated in clinical studies to provide accurate results. BiliCare technology is based on spectroscopy—measuring substances using light at varying wavelengths. The BiliCare System measures the level of transcutaneous bilirubin in the newborn by transmitting light at different wavelengths through the outer ear. The amount of light absorbed by the bilirubin is calculated by comparing the intensity of the light before it enters the tissue with its intensity after it leaves. Then the transcutaneous bilirubin of the newborn is calculated according to a customized algorithm.

- **Less sensitive** to motion artifacts
- **Not sensitive** to differences in pressure applied or angle of device

## The LED advantage

Natus, the pioneer in LED technology for the treatment of neonatal jaundice, now introduces the first transcutaneous bilirubin meter to utilize LED technology. Unlike Xenon lamps that deteriorate over time and require calibration service every few years, LEDs do not deteriorate over time. No shift in power or in wavelength means no need for routine calibration.

Optional calibration check allows user to confirm calibration when desired. The calibration check process is quick and easy & provides immediate results.



### Ordering information

Description	Part number
<b>BiliCare System</b> Includes: Handheld Unit, Charging Cradle, Power Supply, Calibration Check Tip, Infection Control Tips (10 units)	013355
<b>Bilicare Infection Control Tips (pack of 60)</b>	013360

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