

BiliCare™

Non-Invasive Transcutaneous Bilirubin Meter

The BiliCare™ Transcutaneous Bilirubin Meter

The BiliCare System measures the level of bilirubin using a patented technology 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 according to a customized algorithm.

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

The LED advantage

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.



www.mennenmedical.com



BiliCare™

Neonatal Noninvasive Bilirubin Meter

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

Perfect for use in the NICU or newborn nursery.



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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 be used with or without entering baby's ID
- Large, clear display for easy 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

- The BiliCare System is capable of working with or without disposable tip cover
- 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

