



TRANSCUTANEOUS BILIRUBIN METER



Cod. ESMB-20

The ESMB 20 is a handheld instrument used in the dynamic clinical examination of neonate jaundice. The transcutaneous concentration of bilirubin correlative with serum bilirubin concentration can be determined instantly and non invasively through the detector placed on the neonatal skin. This prevents the neonates suffered from blood collection, reduces costs since test results are immediate, and increases efficiency of doctors and nurses.



This jaundice meter is developed with advanced electronic and optic technologies:

Fiber Optics, spectrum splitter, controlled spectrum filter, NFM switching, and information processing techniques.

FEATURES

LCD Display, easy to read
The streamlined design makes delicate and easy to handle.
Long service life, low energy consumption.
Battery Low indicator when batteries need to be recharged.
Rapid test results are providing serum bilirubin concentration.
Storage and memory function.
Useful browse and delete functions.
Useful self calibration.
Easy to use and maintenance

TECHNICAL SPECIFICATIONS

Display: LCD
Power: AA 1.5V× 2 batteries
Ready light Indicator: Green
Measurement range: 0.0mg/dL ~30.0mg/dL;
Measurement accuracy: Low+1.0mg/dL
(+17μmol/L, rest ± 1.5mg/dL(± 25.5μmol/L)
Preparation time: <12 seconds
Record function: last 20 measuring results and circularly reviews recorded data.
Reexamination rate: <10%



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Cod. **ESD-2**

The ESD 2 has not only an elegant design, a small volume and a easy and safe operation mode, but it is also quick for examining jaundice without any pollution.

Therefore, it is regarded as a portable device.

This jaundice meter measures bilirubin transcutaneously. ESD 2 jaundice meter is an accurate, non invasive device that will assist you in management of neonatal jaundice. ESD 2 jaundice meter can instantaneously measure and provide an estimate serum bilirubin levels reported in mg/dl.



FEATURES

A high-tech device with advanced optical and photo-electronic data processing technologies
Quickly detection without any pain to the body
Highly bright LED with three output digits
The jaundice transcutaneous value can be measured instantly in mg/dl
Elegant in appearance, small in volume, easy and safe for operation

TECHNICAL SPECIFICATIONS

Measurement mode: light reflection
Displayed measure results: data display with three digits LED
Measurement error: 00.0--- 20.0±1 , allowable error:±1 .0
Light source : xenon flash lamp
Electric power: 600 mAH and DC 4 .8 V rechargeable
Time ready for the instrument to start up: shorter than 5 seconds , after the "READY" lamp has been on
Dimensions : 165x65x40mm
Charger: input AC 220V at 50Hz
output DC8V and 100 mA (no-load)
Check board: white colour screen 00.0 + 1.0 and yellow screen 20.0±1.0
Operate Environment:
Temperature scope 5°C ~ 40°C
The relative humidity ≤ 80 %
The atmosphere pressure 86.0 kpa ~ 106.0 kpa



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