

Calmark POC Test: Neo-Bilirubin

Fast detection of bilirubin in newborns



Calmark Neo-Bilirubin

- Allows for rapid and quantitative measurement of bilirubin in blood from newborn babies
- Optimized for accurate analysis with only one drop of blood
- Safe and easy to use
- Results within minutes
- Automatic calibration
- Applicable for newborns of all ethnicities
- No interference from hemolysis up to 2 g/L
- Accurate results at up to 60% hematocrite

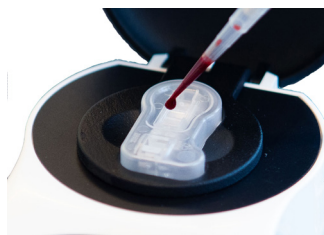


Calmark POC-Analyzer and
Neo-Bilirubin test cassette

Running a test - Step by step



1. Open the lid of the POC-Analyzer and put a new test cassette in the holder.



2. Fill the intended cavity up to the edge with blood.



3. Close the lid of the instrument. The measurement starts automatically.



4. Within minutes a numeric value will be presented on the display.

Specifications

Calmark POC System							
Measurement technology	Colorimetric measurement of biomarker frequency in whole blood						
Sampling system	Test cassette						
Regulatory approvals and/or international standards	CE mark						
Calmark Neo-Bilirubin							
Accuracy	<table border="0"> <tr> <td><150 µmol/L (<9mg/dL)</td> <td>12.9%</td> </tr> <tr> <td>150-500 µmol/L (9-29mg/dL)</td> <td>8.8%</td> </tr> <tr> <td>>500 µmol/L (>29mg/dL)</td> <td>4.0%</td> </tr> </table>	<150 µmol/L (<9mg/dL)	12.9%	150-500 µmol/L (9-29mg/dL)	8.8%	>500 µmol/L (>29mg/dL)	4.0%
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Precision	<table border="0"> <tr> <td><150 µmol/L (<9mg/dL)</td> <td>CV 6,9%</td> </tr> <tr> <td>150-500 µmol/L (9-29mg/dL)</td> <td>CV 5,2%</td> </tr> <tr> <td>>500 µmol/L (>29mg/dL)</td> <td>CV 4,4%</td> </tr> </table>	<150 µmol/L (<9mg/dL)	CV 6,9%	150-500 µmol/L (9-29mg/dL)	CV 5,2%	>500 µmol/L (>29mg/dL)	CV 4,4%
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Linear range (mg/dL or µmol/L)	150-500 µmol/L (9-29 mg/dL)						
Sample type and sample volume required	Fill the cavity up to the edge with venous whole blood (at least 70 µL)						
Time to run from sample collection to result output	3 minutes						
Dimensions	WxHxD = 23,2x42,1x8,7 mm						
Shelf life	6 months						
Storage requirements	Temperature 18 - 35 °C, Humidity 20-60% RH						
Calmark POC-Analyzer							
Calibration required	Calmark Neo-Bilirubin is calibrated during manufacturing. Every test cassette contains information needed for automatic calibration of the results, no recalibration needed.						
Interface/Display	Results are presented as a numeric value on the display of the portable POC-Analyzer						
Electricity requirements, incl. voltage, and charging features	The instrument is powered by a Li-Ion battery and is charged through micro-USB connection by using a provided USB- adapter (CE-approved, In 100-240VAC/50-60Hz <500mA, out 5VDC)						
Dimensions	WxHxD = 120x85x210 mm						
Storage requirements	Temperature 10 - 40 °C, Humidity 10-90% RH						
Number of stored results in archive	25 results stored locally						
Article no:							
0-11001-00	Calmark POC-Analyzer, incl IFU, charger and charger cable						
0-82444-BR	Calmark Neo-Bilirubin, box with 20 tests						

Contact us for more information

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