

Avoximeter[®] 4000

Whole Blood CO-Oximeter

Rapid, Accurate CO-Oximetry Assessment

Your patient's true hemoglobin status at the bedside.



Results in less than ten seconds.

Accriva
diagnostics

Avoximeter[®] 4000

The Gold Standard in Point-of-Care CO-Oximetry

The portable Avoximeter 4000 provides rapid, accurate assessment of the patient's true oxygenation status at the bedside. Whether used in the ER or Forensic Toxicology Labs to assess carbon monoxide toxicity, the NICU to confirm the presence of methemoglobin as a result of nitric oxide therapy, or other critical care applications the Avoximeter 4000 offers a more comprehensive and complete evaluation to enable critical decisions and treatments within seconds.

Quick, Reliable Oximetry Assessment

- Patented state of the art optics yield accurate measurements of:
 - Oxyhemoglobin (O₂Hb)
 - De-Oxyhemoglobin (HHb)
 - Methemoglobin (MetHb)
 - Carboxyhemoglobin (COHb)
 - Total Hemoglobin (tHb)
 - Oxygen Content (O₂Ct)
 - Percent Saturation (SO₂)
 - Oxygen Carrying Capacity (O₂Cap)
- Results displayed in less than ten seconds

Easy-to-Use

- Simple, two step test method:
 - Inject 50μL sample into cuvette, and
 - Insert cuvette into the instrument
- No sample preparation required
- Uses whole blood
- Room temperature cuvette storage with extensive shelf life
- Portable, lightweight battery-powered system designed for true point of care testing
- Illuminated liquid crystal display is easy to read, even in low light

Cost Effective and Convenient

- Room temperature cuvette storage with extensive shelf life
- Easy to fill
- Disposable Cuvettes
- No on-board system fluid or waste



Measurements and Ranges*

Measurement	Operating Range	Accuracy	Precision	CPT Code
Total Hemoglobin (tHb)	4 to 25 g/dL	> 10 g/dL = ± 0.45 g/dL < 10 g/dL = ± 0.35 g/dL	> 10 g/dL = ± 0.3 g/dL < 10 g/dL = ± 0.3 g/dL	85018
Oxyhemoglobin (%O ₂ Hb)	0 to 100%	± 1.6%	± 0.8%	82810
Carboxyhemoglobin (%COHb)	0 to 75%	± 2.0%	± 1.0%	82375
Methemoglobin (%MetHb)	0 to 85%	± 1.5%	± 0.7%	83050

Interferences*

Product	tHb	%O ₂ Hb	%COHb	%MetHb
Bilirubin	None	None	< 1%	< 1%
Hemolysis	None	None	< 1%	< 1%
Fetal Hemoglobin (tHb=13.5 g/dL, HbF=100%)	< 0.45 g/dL	< 1%	6.6%	< 1%
Indocyanine Green Dye	< 0.45 g/dL	< 1%	< 1%	< 1%
Methemoglobin	< 0.2 g/dL	< 1%	None	N/A

*Avoximeter 4000 (operator's manual) [package insert]. Edison, NJ: ITC; Revised 2007.

Regulatory Compliance and Data Management-Driven

- Records patient and operator ID numbers, test results, date, lot numbers, and time
- Able to print report or transfer to data management system and/or LIS
- Connectivity with RALS Plus, Aegis POC, PrecisionWeb, SYBASE, and Telcor QML
- User-defined security features assure result integrity for reporting and compliance
- Calibration and quality control result storage
- Quick and easy two-point optical quality control



Ordering Information

Catalog Number	Description
AVOX4000	Avoximeter 4000 (110V)
AVOX4000-INT	Avoximeter 4000 (100-240V)
QV8	Avoximeter Cuvettes (100 cuvettes)
AVOXPRNT	Printer for Avoximeter systems

Find out More

Please contact us to learn more about how the Avoximeter 4000 can help you improve patient care at the bedside.

To learn more, visit www.accriva.com

US Customers: 800.643.1640

International Customers: 858.263.2501



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