Rapid, Accurate CO-Oximetry Assessment

Your patient’s true hemoglobin status at the bedside.

Results in less than ten seconds.
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 ($O_2Hb$)
  - De-Oxyhemoglobin (HHb)
  - Methemoglobin (MetHb)
  - Carboxyhemoglobin (COHb)
  - Total Hemoglobin (tHb)
  - Oxygen Content ($O_2Ct$)
  - Percent Saturation ($SO_2$)
  - Oxygen Carrying Capacity ($O_2Cap$)
- 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*

<table>
<thead>
<tr>
<th>Measurement</th>
<th>Operating Range</th>
<th>Accuracy</th>
<th>Precision</th>
<th>CPT Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Hemoglobin (tHb)</td>
<td>4 to 25 g/dL</td>
<td>&gt; 10 g/dL = ± 0.45 g/dL</td>
<td>&gt; 10 g/dL = ± 0.3 g/dL</td>
<td>85018</td>
</tr>
<tr>
<td></td>
<td></td>
<td>&lt; 10 g/dL = ± 0.35 g/dL</td>
<td>&lt; 10 g/dL = ± 0.3 g/dL</td>
<td></td>
</tr>
<tr>
<td>Oxyhemoglobin (%O₂ Hb)</td>
<td>0 to 100%</td>
<td>± 1.6%</td>
<td>± 0.8%</td>
<td>82810</td>
</tr>
<tr>
<td>Carboxyhemoglobin (%COHb)</td>
<td>0 to 75%</td>
<td>± 2.0%</td>
<td>± 1.0%</td>
<td>82375</td>
</tr>
<tr>
<td>Methemoglobin (%MetHb)</td>
<td>0 to 85%</td>
<td>± 1.5%</td>
<td>± 0.7%</td>
<td>83050</td>
</tr>
</tbody>
</table>

## Interferences*

<table>
<thead>
<tr>
<th>Product</th>
<th>tHb</th>
<th>%O₂ Hb</th>
<th>%COHb</th>
<th>%MetHb</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bilirubin</td>
<td>None</td>
<td>None</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Hemolysis</td>
<td>None</td>
<td>None</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
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<tr>
<td>Fetal Hemoglobin (tHb=13.5 g/dL, HbF=100%)</td>
<td>&lt; 0.45 g/dL</td>
<td>&lt; 1%</td>
<td>6.6%</td>
<td>&lt; 1%</td>
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<tr>
<td>Indocyanine Green Dye</td>
<td>&lt; 0.45 g/dL</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
<td>&lt; 1%</td>
</tr>
<tr>
<td>Methemoglobin</td>
<td>&lt; 0.2 g/dL</td>
<td>&lt; 1%</td>
<td>None</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Catalog Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>AVOX4000</td>
<td>Avoximeter 4000 (110V)</td>
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<tr>
<td>AVOX4000-INT</td>
<td>Avoximeter 4000 (100-240V)</td>
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<tr>
<td>QV8</td>
<td>Avoximeter Cuvettes (100 cuvettes)</td>
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<tr>
<td>AVOXPRNT</td>
<td>Printer for Avoximeter systems</td>
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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