With next-generation technology, the award-winning cobas b 123 POC system does more to help your staff make a difference in patient care

- With 1-and-Done, routine maintenance is complete every time you change the fluid pack
- Fluid pack requires no refrigeration and features a shelf life of up to 9 months to better protect your investment
- Broad assay menu with lactate capability and fast sample processing time for laboratory-class results at the point of care

To find out more, contact your Roche Diagnostics representative or call 800-428-5076.

Winner of a 2011 Gold Medical Design Excellence Award (MDEA)*

The MDEA competition is the premier awards program for the medical technology community, recognizing the achievements of medical product manufacturers and the many people behind the scenes who are responsible for the groundbreaking innovations that are changing the face of healthcare.

*The award is based upon descriptive materials submitted to the jurors; the jurors and the competition operators did not verify the accuracy of any submission or of any claims made and did not test the items to which the award was given.
Frees your hospital staff to spend more time providing quality care to patients

With fully integrated maintenance and next-generation technology, the cobas b 123 POC system practically eliminates routine maintenance

1-and-Done maintenance
• With 1-and-Done, routine maintenance is complete every time you change the fluid pack

Maximize resources
• The only consumables you will routinely need to replace are the sensor, AutoQC Pack, and fluid pack

Transferable consumables with smart chip technology
All of the cobas b 123 POC system consumables – fluid pack, sensor, and AutoQC Pack – come with smart chip technology that allows them to be transferred between analyzers, optimizing reagent use.

Decoupled sensor
If the sensor fails, unused reagents are not wasted – only the sensor needs to be replaced.

Clot detection and removal
Through the use of Roche’s innovative clot catcher and 4 levels of clot detection and prevention, the cobas b 123 POC system detects and removes virtually all clots before they ever reach the analyzer system, minimizing a significant source of downtime.

Over 3500 whole blood samples were assessed using the cobas b 123 POC system with no blood clots reported during evaluations in the clinical environment of the University Hospital in Graz, Austria.

Maintenance is automatically recorded every time you change the fluid pack
Auto recording of fluid pack change also acknowledges the following maintenance items are replaced: a new waste container, sample port, cuvette, sample sensor contacts, tubing, peristaltic pump tubing, and air filter.

1. Decoupled sensor
2. AutoQC Pack
3. Fluid pack
Get the most out of your investment

The cobas b 123 POC system is designed to reduce your hospital’s investment in reagents and consumables

Fluid Pack Protection System
• Through the use of a decoupled sensor and 4 levels of clot detection and prevention, the superior integrated pack system is designed to prevent premature pack failure

Protecting your investment
• The fluid pack requires no refrigeration and, therefore, no warm-up time or process. The fluid pack features a shelf life of up to 9 months and the ability to be stored at room temperature to help protect your investment in consumables

Safe and simple
When the fluid pack is changed, a new waste container, sample port, cuvette, sample sensor contacts, tubing, peristaltic pump tubing, and air filter are replaced.

Innovation on wheels
• With a durable, ergonomically designed mobile cart, the cobas b 123 POC system is easily transported to deliver laboratory-class results wherever you go

Remote troubleshooting with cobas e-services
Roche Technical Support with direct access to your blood gas analyzer can help troubleshoot and diagnose issues before they become major problems.

Remote management with cobas bge link software
Optimize efficiency by managing all cobas blood gas analyzers and data directly from the manager’s office.
Leading innovation to help simplify compliance

Thanks to next-generation technology with the cobas b 123 POC system, portability does not have to mean compromised results

Sensor changes are automatically recorded to meet regulatory compliance for documenting installation and immediately establishing onboard expiration date.

Help your staff with inventory and order management for just-in-time consumables procurement.

Patented sensor
• Nine areas of measurement deliver accurate, laboratory-class results
• With its patented, thick-film sensor technology, the cobas b 123 POC system brings laboratory-class results closer to the bedside

Portable in nature; laboratory-class results
• Comprehensive, 15-parameter test menu enables confidence at the point of care
• Quickly evaluate a patient's acid/base balance and oxygenation along with sepsis status utilizing lactate test results

The cobas b 123 POC system does more automatically to help you comply with regulatory requirements

AutoQC Pack
• Onboard AutoQC Pack allows for automated quality control without interrupting workflow

Linearity testing
• Unique, automatic linearity testing feature with AutoCVC pack provides results that can be graphed, printed, and ready for review and signature

Electronic Quality Assurance Program (eQAP)

eQAP provides linearity and quality control peer performance data to help keep your facility regulatory compliant.

Abbreviation: CVC, Calibration Verification Control.
With next-generation technology, the award-winning cobas b 123 POC system does more to help your staff make a difference in patient care

- With 1-and-Done, routine maintenance is complete every time you change the fluid pack
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To find out more, contact your Roche Diagnostics representative or call 800-428-5076.

The cobas b 123 POC system
The portable blood gas analyzer that delivers optimal reliability to help your hospital staff provide outstanding patient care

Winner of a 2011 Gold Medical Design Excellence Award

The MDEA competition is the premier awards program for the medical technology community, recognizing the achievements of medical product manufacturers and the many people behind the scenes who are responsible for the groundbreaking innovations that are changing the face of healthcare.

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The cobas b 123 POC system wins gold
Winner of a 2011 Gold Medical Design Excellence Award (MDEA)*

The MDEA program is the MedTech industry's premier competition for medical device design and innovation. It recognizes the achievements of medical device manufacturers, their suppliers, and the many people behind the scenes – engineers, scientists, designers, and clinicians – who are responsible for the groundbreaking innovations that are changing the face of healthcare. MDEA-winning entries excel in the areas of product innovation, design and engineering achievement, end-user benefit, and cost-effectiveness in manufacturing and healthcare delivery.

*The award is based upon descriptive materials submitted to the jurors; the jurors and the competition operators did not verify the accuracy of any submission or of any claims made and did not test the item to which the award was given.

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The cobas b 123 POC system. Optimal efficiency with next-generation technology enables outstanding patient care.

### Product specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number of disposable reagents</strong></td>
<td>3 modules: fluid pack, sensor cartridges, and AutoQC Pack</td>
</tr>
</tbody>
</table>
| **Cartridge QC storage**      | Fluid pack: 20°C-25°C (68°F-77°F)  
Sensor cartridge: 2°C-8°C (36°F-46°F)  
AutoQC Pack: 2°C-8°C (36°F-46°F) |
| **Quality control**           | AutoQC Pack |
| **Time to results**           | 120 seconds cycle time |
| **Size**                      | Width: 32.0 cm (12.6 in)  
Depth: 33.0 cm (13.0 in)  
Height: 47.0 cm (18.5 in) |
| **Weight**                    | 24.5 kg (53.9 lb) with all consumables  
18 kg (39.6 lb) without consumables |
| **Sample volume**             | Designed for syringe and capillary use |
| **Samples/hour**              | Up to 30 |
| **Vendor software**           | cobas bge link software |
### Measured parameters

#### Blood gas

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specified range</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.5–8.0</td>
</tr>
<tr>
<td>PCO₂</td>
<td>10–150 mmHg</td>
</tr>
<tr>
<td>PO₂</td>
<td>10–685 mmHg</td>
</tr>
</tbody>
</table>

#### Electrolyte

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specified range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>100–200 mmol/L</td>
</tr>
<tr>
<td></td>
<td>100–200 mEq/L</td>
</tr>
<tr>
<td>Potassium</td>
<td>1.0–15 mmol/L</td>
</tr>
<tr>
<td></td>
<td>1.0–15 mEq/L</td>
</tr>
<tr>
<td>Ionized calcium</td>
<td>0.273–2.5 mmol/L</td>
</tr>
<tr>
<td></td>
<td>1.094–10.02 mg/dL</td>
</tr>
<tr>
<td>Hct</td>
<td>10%–75%</td>
</tr>
</tbody>
</table>

#### Metabolite

<table>
<thead>
<tr>
<th>Metabolite</th>
<th>Specified range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glucose</td>
<td>1.0–30 mmol/L</td>
</tr>
<tr>
<td></td>
<td>18–540 mg/dL</td>
</tr>
<tr>
<td>Lactate</td>
<td>1.0–20 mmol/L</td>
</tr>
<tr>
<td></td>
<td>9–180 mg/dL</td>
</tr>
</tbody>
</table>

#### CO-oximetry

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specified range</th>
</tr>
</thead>
<tbody>
<tr>
<td>tHb</td>
<td>4–25 g/dL</td>
</tr>
<tr>
<td>O₂Hb</td>
<td>30%–100%</td>
</tr>
<tr>
<td>HHb</td>
<td>0.5%–70%</td>
</tr>
<tr>
<td>COHb</td>
<td>1.1%–70%</td>
</tr>
<tr>
<td>MetHb</td>
<td>1.0%–70%</td>
</tr>
<tr>
<td>SO₂</td>
<td>30%–100%</td>
</tr>
</tbody>
</table>