## Stratus® CS 200 Acute Care™ Diagnostic System* Specifications

**www.siemens.com/stratus200**

### Benefits
- Results in as fast as 14 minutes
- Less hands-on manipulation than handheld devices—reduces the opportunity for error
- Accepts whole blood in the collection tube—no sample preparation needed
- Bidirectional connectivity allows for user lockout directly from the middleware solution
- Guideline acceptable sensitive troponin I at the point of care meets imprecision levels of ≤10% at the 99th percentile of a normal population
- Harmonization with central laboratory instruments

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### Benchtop or Freestanding Workstation: the Choice Is Yours
To better meet your near-patient testing needs, we also offer a spacesaving workstation that can be customized for the acute-care setting.

### Assay Specifications

<table>
<thead>
<tr>
<th>Assay</th>
<th>Troponin I</th>
<th>CKMB</th>
<th>NT-proBNP</th>
<th>D-dimer</th>
<th>hsCRP</th>
<th>Myoglobin</th>
<th>βhCG</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Assay range</strong></td>
<td>0.03–50 µg/L (30–50,000 ng/mL)</td>
<td>0.3–150 µg/L (ng/mL)</td>
<td>15–20,000 pg/mL</td>
<td>6–5000 µg/L (ng/mL)</td>
<td>0.1–50 mg/L</td>
<td>1–900 µg/L (ng/mL)</td>
<td>0.5–1250 IU/L (mIU/mL)</td>
</tr>
<tr>
<td><strong>Analytical sensitivity</strong></td>
<td>&lt;0.03 µg/L (&lt;30 ng/L)</td>
<td>0.3 µg/L</td>
<td>15.0 pg/mL</td>
<td>6.0 µg/L</td>
<td>≤0.1 mg/L</td>
<td>1.0 µg/L</td>
<td>&lt;0.5 IU/L</td>
</tr>
<tr>
<td><strong>Assay characteristics</strong></td>
<td>10% at 0.06 µg/L (10% at 60 ng/mL)</td>
<td>4.0% at 3.7 µg/L</td>
<td>4.4% at 96.6 pg/mL</td>
<td>4.1% at 412 µg/L</td>
<td>6.8% at 1.16 mg/L</td>
<td>3.4% at 56 µg/L; 4.6% at 142 µg/L</td>
<td>2.5% at 27.1 IU/L</td>
</tr>
<tr>
<td><strong>Calibration stability</strong></td>
<td>60 days</td>
<td>60 days</td>
<td>30 days</td>
<td>60 days</td>
<td>60 days</td>
<td>60 days</td>
<td>90 days</td>
</tr>
<tr>
<td><strong>DilPak automatic dilution</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Sodium heparin tubes</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>—</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Lithium heparin tubes</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Sodium citrate tubes</strong></td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>Yes</td>
<td>—</td>
<td>—</td>
</tr>
</tbody>
</table>

Please refer to the assay insert sheets for more detailed information.

### Qualified Collection Tube Types
- Becton Dickinson 13 x 75 mm Green Hemogard® tube, 4.0 mL draw (lithium or sodium heparin)
- Becton Dickinson 13 x 75 mm Light Blue Hemogard tube, 4.5 mL draw (3.2% sodium citrate)
- Sarstedt Monovette® 13 x 65 mm Orange tube, 2.6 mL draw (lithium heparin)
- Sarstedt Monovette 13 x 65 mm Blue tube, 2.9 mL draw (sodium citrate)

### Reagent Storage Requirements
- Troponin I and NT-proBNP CalPaks: −10 to −20°C
- All other TestPaks, CalPaks, and DilPaks: 2 to 8°C

### Calibration Feature
Stores up to three separate TestPak lots per assay

### Reagent Capacity
Single-use assay cartridges

### Assay Technology
Dendrimer-enhanced radial partition immunoassay

### Turnaround Time
First result in as fast as 14 minutes and four tests in as fast as 26 minutes from a whole-blood sample

### Waste Disposal
All hazardous materials contained within a waste liner

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*Not available for sale in the U.S. Product availability varies by country.
†Upper end of reference range = 82 µg/L
‡Total precision measured with Bio-Rad Control Liquichek™ Level 2. Liquichek is a trademark of Bio-Rad.
Centrifuge Speed
Microprocessor-verified between 18,000 and 22,000 rpm

Quality Control
- Daily system check (electronic QC) with a programmable time lockout
- Liquid controls processed after calibration, upon receipt of a previously calibrated lot of reagents, whenever the site wishes to verify performance, or according to regulations
- Onboard QC Required alert for a time element and/or range check

Power Requirements
115 VAC: 103–127 volt range, 47–63 Hz, –1.5 amp, and 400 watts maximum power
230 VAC: 207–253 volt range, 47–63 Hz, –0.8 amp, and 400 watts maximum power
- Circuit: Separate, dedicated line with hot, neutral, and isolated ground in its own conduit
- Receptacle: Hospital-grade receptacle accessible to the 2.7 m (9 ft) power cord upon arrival of the instrument

Environmental Specifications
Room temperature: 15–30°C (59–86ºF)
Do not exceed a maximum fluctuation of 3ºC (5.4ºF) per hour.
Humidity: 20–80%

Software Features
- Patient ID and/or sample ID scannable using universal bar-code reader
- Sample collection-time entry
- Stores up to 500 operator IDs; locks out unauthorized operators
- Notification of TestPak lot expiration
- Password protection of advanced setup functions
- Partial masking of operator ID on printout for security
- Last 50 patient results stored for later transmission

Connectivity-ready
- Bidirectional through network connection
- Compatible with Conworx POCCelerator™ System
- Unidirectional through serial port

Dimensions
Instrument: 18 in. H x 28 in. W x 23 in. D
(46 cm H x 71 cm W x 58 cm D)
Operating clearance: 20 in. H x 31 in. W x 24 in. D
(51 cm H x 79 cm W x 61 cm D)
Service clearance: 37 in. H x 39 in. W x 34 in. D
(94 cm H x 99 cm W x 86 cm D)
Optional workstation: 39.25 in. H x 30 in. W x 27.25 in. D
(99.7 cm H x 76.2 cm W x 69.2 cm D)

Weight
Instrument: 150 lb (68 kg)
Optional workstation: 87 lb (39 kg)
Refrigerator: 42 lb (19 kg)

For more information, please contact your Siemens representative.

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Product availability may vary from country to country and is subject to varying regulatory requirements. Please contact your local representative for availability.

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