

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

[www.siemens.com/stratus200](http://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  $\leq 10\%$  at the 99th percentile of a normal population
- Harmonization with central laboratory instruments



### 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

	Troponin I	CKMB	NT-proBNP	D-dimer	hsCRP	Myoglobin	$\beta$ hCG
Assay range	0.03–50 $\mu$ g/L (30–50,000 ng/L)	0.3–150 $\mu$ g/L (ng/mL)	15–20,000 pg/mL	6–5000 $\mu$ g/L (ng/mL) FEU	0.1–50 mg/L	1–900 $\mu$ g/L (ng/mL)	0.5–1250 IU/L (mIU/mL)
Analytical sensitivity	<0.03 $\mu$ g/L (<30 ng/L)	0.3 $\mu$ g/L	15.0 pg/mL	6.0 $\mu$ g/L FEU	$\leq 0.1$ mg/L	1.0 $\mu$ g/L	<0.5 IU/L
Assay characteristics	10% at 0.06 $\mu$ g/L (10% at 60 ng/L)	4.0% at 3.7 $\mu$ g/L	4.4% at 96.6 pg/mL	4.1% at 412 $\mu$ g/L	6.8% at 1.16 mg/L	3.4% at 56 $\mu$ g/L; 4.6% at 142 $\mu$ g/L†	2.5% at 27.1 IU/L‡
Calibration stability	60 days	60 days	30 days	60 days	60 days	60 days	90 days
DilPak automatic dilution	Yes	Yes	Yes	Yes	—	Yes	Yes
Sodium heparin tubes	Yes	Yes	Yes	—	Yes	Yes	Yes
Lithium heparin tubes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sodium citrate tubes	—	—	—	Yes	—	—	—

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  $-20^{\circ}\text{C}$   
All other TestPaks, CalPaks, and DilPaks:  $2$  to  $8^{\circ}\text{C}$

### 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

\*Not available for sale in the U.S. Product availability varies by country.

†Upper end of reference range = 82  $\mu$ g/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 (59–86°F)

Do not exceed a maximum fluctuation of 3°C (5.4°F) 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)

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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.

## Global Siemens Headquarters

Siemens AG  
Wittelsbacherplatz 2  
80333 Muenchen  
Germany

## Global Siemens Healthcare Headquarters

Siemens AG, Healthcare  
Henkestrasse 127  
91052 Erlangen  
Germany  
Telephone: +49 9131 84 -0  
[www.siemens.com/healthcare](http://www.siemens.com/healthcare)

## Global Division

Siemens Healthcare Diagnostics Inc.  
511 Benedict Avenue  
Tarrytown, NY 10591-5005  
USA  
[www.siemens.com/diagnostics](http://www.siemens.com/diagnostics)

Order No. A91DX-POC-150628-XC1-4A00  
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Ordering Information			
Component	Catalog No.	SMN Number	Quantity
Troponin I TestPak	CCTNI	10445071	100
Troponin I CalPak	CCTNI-CR	10445072	5
Troponin I DilPak	CCTNI-D	10445073	5
CKMB TestPak	CCKMB	10445068	100
CKMB CalPak	CCKMB-C	10445069	5
CKMB DilPak	CCKMB-D	10445070	5
Myoglobin TestPak	CMYO	10445079	100
Myoglobin CalPak	CMYO-C	10445080	5
Myoglobin DilPak	CMYO-D	10445081	5
NT-proBNP TestPak	CPBNPM	10445086	100
NT-proBNP CalPak	CPBNPM-C	10445087	5
NT-proBNP DilPak	CPBNP-D	10445085	5
D-Dimer TestPak	CDDMRE	10701511	60
D-Dimer CalPak	CDDMR-C	10445076	5
D-Dimer DilPak	CDDMR-D	10445077	5
hsCRP TestPak	CCCRP	10445066	60
hsCRP CalPak	CCCRP-C	10445067	5
hsCRP DilPak	Not available	Not available	
BhCG TestPak	CBHCG	10445060	100
BhCG CalPak	CBHCG-C	10445061	5
BhCG DilPak	CBHCG-D	10445062	5
Rotor	CROTOR	10445088	100
Pipette tips	CTIP	10445089	1920
Sample cups	CCUPS	10445074	100
Waste container	CLINER	10445078	50
Printer paper	CPAPER	10445082	10
Cannula: BD	CCANBD	10445063	100
Cannula: Sarstedt	CCANS	10445064	100
Stratus CS 200 instrument, new	758000.901	10714016	1
Stratus CS 200 cart	NA	Pending	1
Stratus CS 200 refrigerator	NA	Pending	1
UPS power supply	NA	Pending	1

Features and specifications are subject to manufacturer change.

**For more information, please contact your Siemens representative.**