RAMP 200®
Cardiac testing diagnostic solutions
When every minute counts

**Accuracy of a Laboratory, versatility of a portable solution**

- **Up to 6 tests in Random Access**
  Results in less than 20 minutes

- **A comprehensive menu of tests**
  TnI, NTproBNP, Myo, CKMB, D-dimer, Procalcitonin (PCT), Flu A+B, RSV, hCG*…

- **High precision and accuracy**

- **Validated for use in emergency vehicles**
Simple 3-step process

1. Prepare and add sample
2. Insert cartridge
3. Read result

Sample Type: EDTA Whole Blood
- Troponin I, CK-MB, Myoglobin (AMI)
- NT-proBNP
- D-dimer
- PCT
- HcG *

Sample Type: Mucous
- Influenza A + B
- RSV

Sample Type: Mosquito homogenate
- West Nile Virus
- Dengue Virus

Sample Type: Powders, Liquids, Area Swipe
- Anthrax
- Ricin
- Small Pox
- Bot Tox

RAMP® TECHNOLOGY

RAMP® ratio: corrects for potential sources of variability including operator technique, sample variability and environmental conditions to ensure results of optimal precision and accuracy.
**RAMP® Procalcitonin**
Save time when every minute counts!

## Main tests specifications

<table>
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<th>RAMP test</th>
<th>Intended Use</th>
<th>Reportable Range</th>
<th>Limits of Detection</th>
<th>Test Reference Range</th>
<th>Average TAT</th>
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</thead>
<tbody>
<tr>
<td>Troponin I</td>
<td>An IVD product used to measure cardiac Troponin I levels in EDTA whole blood. Helps in the rapid diagnosis of acute myocardial infarction (AMI).</td>
<td>0.03 - 32 ng/mL</td>
<td>LLD= 0.03 ng/mL. Results exceeding 32 ng/mL are reported as &gt; 32 ng/mL</td>
<td>99th percentile 0.10 ng/mL</td>
<td>19 min.</td>
</tr>
<tr>
<td>NT-proBNP</td>
<td>An IVD product used to measure NT-proBNP in EDTA whole blood. Helps in diagnosis and assessment of severity in individuals suspected of having heart failure (HF) and may help in risk stratification of patients with HF.</td>
<td>18 - 35000 ng/L</td>
<td>LLD=18 ng/L. Results exceeding 35000 ng/L are reported as &gt;35000 ng/L</td>
<td>125 ng/L for &lt;75 yrs 450 ng/L for &gt; 75 yrs</td>
<td>15 min.</td>
</tr>
<tr>
<td>D-dimer</td>
<td>An IVD product used to quantify the fibrin degradation product (FDP), D-dimer, in EDTA whole blood</td>
<td>100 - 5000 ng/mL FEU</td>
<td>LoD &lt; 100 ng/mL FEU LoB &lt; 100 ng/mL FEU. Results exceeding 5000 ng/L are reported as &gt; 5000 ng/L</td>
<td>99th percentile 386 ng/mL FEU</td>
<td>15 min.</td>
</tr>
<tr>
<td><strong>NEW</strong> Procalcitonin</td>
<td>An IVD product used to quantify the Procalcitonin (PCT) in EDTA whole blood.</td>
<td>0.20 - 200 ng/mL</td>
<td>Results out of range are reported as &lt;0.20 or &gt;200 ng/mL</td>
<td>95th percentile &lt;0.20 ng/mL FEU</td>
<td>15 min.</td>
</tr>
</tbody>
</table>

LLD = Lower Limit of Detection; LoB = Limite of Blank; LoD= Limit of Detection

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**Correlation of NT-proBNP test with Elecsys (Roche)**

**Use of NTproBNP for patient follow-up with Entresto (Novartis)**

![Graph showing correlation between RAMP and Elecsys BNP results](image)
RAMP® 200 Specifications

**Weight**
Control Module: 1 kg  
Test Module: 1.5 kg

**Dimensions**
Control Module: w 19.56 cm x d 17.78 cm x h 10.42 cm  
Test Module: w 19.56 cm x d 18.54 cm x h 9.65 cm

**External Connections**
Ethernet and 3 USB ports,

**Optional Accessories**
Hands free barcode Scanner  
Zebra label Printer

**Products references**

- C1100 RAMP® Reader                        1 instrument  
- RA3030 RAMP Reader Printer System         1 printer  
- RA3033 Printer Ribbon                         1 ribbon for printer RA3030  
- RA3034 Printer Paper          1 paper roll for printer RA3030  
- RA3035 RAMP® Barcode Wand         1 barcode reader  
- C2100 RAMP® 200 Control Module (CM)                 1 Control Module  
- C3100 RAMP® 200 Test Module ™         1 Test Module  
- RA4040 RAMP® 200 Printer         1 printer  
- RA4043 Printer Ribbon                        1 ribbon for printer RA4040  
- RA4044 Printer Labels                        1 paper roll for printer RA4040  
- RA4045 RAMP® Barcode Wand        1 handsfree barcode reader  
- C1101 RAMP® Troponin I Assay         25 tests  
- C1102 RAMP® CK-MB Assay                25 tests  
- C1103 RAMP® Myoglobin Assay              25 tests  
- C1104 RAMP® NT-proBNP Assay            25 tests  
- C1106 RAMP® D-Dimer Assay                25 tests  
- C1112 RAMP® Procalcitonin Assay              25 tests  
- C2003-1 Cardiac Control Level 1               3 x 3mL  
- C2003-2 Cardiac Control Level 2               3 x 3mL  
- C2003-3 Cardiac Control Level 3               3 x 3mL

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Please check availability in your area. Please read carefully Instructions for Use for tests and instruments.