
**IB10 sphingotest® NT-proBNP** is a rapid test for the in vitro quantitative determination of N-terminal pro-brain natriuretic peptide (NT-proBNP) in human whole blood or plasma using EDTA or Lithium-Heparin as the anticoagulant.

The test is designed for professional use only and may be used on sites where near patient testing is practiced.

- **Quantitative Results**
- **Whole blood application**
- **Fast and fully automated – calibration via QR-code, no additional tests necessary**
- **Long-term storage at 2-8°C, 30 days stability at room temperature**
- **Measured on Nexus IB10 analyzer, a portable POC instrument**
- **Ideal for decentralized hospital facilities, acute care units and physicians practices**

**Clinical Significance**

Measurement of plasma concentrations of NT-proBNP has utility as a valuable tool for aiding in the diagnosis, management and assessment of severity of Congestive Heart Failure.

NT-proBNP measurements have been reported as valuable diagnostic and prognostic marker in cardiovascular diseases, particularly for patients in New York Heart Association (NYHA) classes I-IV CHF.

**Easy Handling**

**SAMPLE TYPE**

<table>
<thead>
<tr>
<th></th>
<th>EDTA or Lithium-Heparin whole blood or plasma samples</th>
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<table>
<thead>
<tr>
<th>TIME TO RESULT</th>
<th>20 minutes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEASURING RANGE</td>
<td>30 - 5.000 pg/mL</td>
</tr>
<tr>
<td>LIMIT OF DETECTION</td>
<td>30 pg/mL</td>
</tr>
<tr>
<td>NO HIGH DOSE HOOK EFFECT</td>
<td>300,000 pg/mL</td>
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The Biomarker Company
Method Comparison

Correlation between IB10 sphingotest® NT-proBNP and Roche ProBNP II (cobas e411)

![Graph showing Passing-Bablok regression analysis]

**Whole Blood vs. Plasma Comparison**

Passing-Bablok regression analysis comparing the whole blood concentrations vs. the corresponding plasma concentrations from the same subject samples:

- **Slope**: 1.01 (95% C.I. = [0.97 – 1.06])
- **y-Intercept**: 2.72 pg/mL
- **Correlation coefficient of r**: 0.99

**Outstanding Precision**

<table>
<thead>
<tr>
<th>REPRODUCIBILITY</th>
<th>Sample</th>
<th>Mean Level (pg/mL)</th>
<th>Total Precision - CV (%)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>1</td>
<td>130.07</td>
<td>13.8</td>
</tr>
<tr>
<td></td>
<td>2</td>
<td>434.19</td>
<td>12.4</td>
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<tr>
<td></td>
<td>3</td>
<td>1615.8</td>
<td>11.6</td>
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<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>DESCRIPTION</th>
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</table>
| IVR-IB58       | IB10 sphingotest® DPP3  
Dipeptidyl Peptidase 3 (package of 10 discs) |
| IVR-IB56       | IB10 sphingotest® NT-proBNP  
NT-proBNP (package of 10 discs) |
| IVR-IB55       | IB10 sphingotest® TSH  
TSH (package of 10 discs) |
| IVR-IB54       | IB10 sphingotest® beta-hCG  
beta-hCG (package of 10 discs) |
| IVR-IB53       | IB10 sphingotest® Shortness of Breath  
D-Dimer, NT-proBNP, Troponin I (package of 10 discs) |
| IVR-IB52       | IB10 sphingotest® D-Dimer  
D-Dimer (package of 10 discs) |
| IVR-IB51       | IB10 sphingotest® Cardiac 3-in-1  
Troponin I, CKMB, Myoglobin (package of 10 discs) |
| IVR-IB50       | IB10 sphingotest® Troponin-99  
Troponin I (package of 10 discs) |

All IB10 sphingotest® test discs are CE-IVD marked.

**EXPECTED VALUES**

Recommended Decision Threshold Values:
- Patients under 75 years of age: 125 pg/mL
- Patients 75 years of age and older: 450 pg/mL

Each laboratory should establish a reference range that represents the patient population that is to be evaluated.

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If you have any questions please contact your local distributor.

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