The i-STAT® System: Real-time, lab-quality results at the patient bedside

The i-STAT System provides reliable results for the most commonly ordered tests at the point-of-care.
The i-STAT System Provides Lab-Quality Results in Minutes With:

A wide range of cartridges

### Electrolytes and Hematology

**Results in 2 minutes**

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Test Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>E3+</em> 03P82-25</td>
<td>Sodium (Na), Potassium (K), Hematocrit (Hct), Hemoglobin (Hgb)</td>
</tr>
<tr>
<td><em>EC4+</em> 03P81-25</td>
<td>Sodium (Na), Potassium (K), Glucose (Glu), Hematocrit (Hct), Hemoglobin (Hgb)</td>
</tr>
<tr>
<td><em>6+</em> 03P80-25</td>
<td>Sodium (Na), Potassium (K), Chloride (Cl), Urea Nitrogen (BUN), Urea Glucose (Glu), Hematocrit (Hct), Hemoglobin (Hgb)</td>
</tr>
</tbody>
</table>

Granted Waived Status for the *i-STAT 1* System with lithium and sodium heparin whole blood venous samples collected in evacuated (green-top) tubes.

### Blood Gas, Electrolytes and Hematology

**Results in 2 minutes**

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Test Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>CG8+</em> 03P78-25</td>
<td>Sodium (Na), Potassium (K), Ionized Calcium (iCa), Glucose (Glu), Hematocrit (Hct), pH, PCO₂, PO₂, TCO₂, HCO₃̄, BEₑcf, SO₂, Hemoglobin (Hgb)</td>
</tr>
<tr>
<td><em>EG7+</em> 03P76-25</td>
<td>Sodium (Na), Potassium (K), Ionized Calcium (iCa), Hematocrit (Hct), pH, PCO₂, Urea Nitrogen (BUN), Urea Glucose (Glu), Hematocrit (Hct), TCO₂, HCO₃̄, BEₑcf, SO₂, Anion Gap (Agap), Hemoglobin (Hgb)</td>
</tr>
<tr>
<td><em>EC8+</em> 03P79-25</td>
<td>Sodium (Na), Potassium (K), Hematocrit (Hct), pH, PCO₂, PO₂, TCO₂, HCO₃̄, BEₑcf, sO₂, Hemoglobin (Hgb)</td>
</tr>
<tr>
<td><em>EG6+</em> 03P77-25</td>
<td>Sodium (Na), Potassium (K), Hematocrit (Hct), pH, PCO₂, PO₂, TCO₂, HCO₃̄, BEₑcf, sO₂, Hemoglobin (Hgb)</td>
</tr>
</tbody>
</table>

### Chemistry

**Results in 2 minutes**

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Test Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Crea</em> 03P84-25</td>
<td>Creatinine (Crea)</td>
</tr>
<tr>
<td><em>G</em> 03P83-25</td>
<td>Glucose (Glu)</td>
</tr>
<tr>
<td><em>CHEM8+</em> 03P91-25</td>
<td>Sodium (Na), Potassium (K), Chloride (Cl), Ionized Calcium (iCa), TCO₂, Glucose (Glu), Urea Nitrogen (BUN), Urea Creatinine (Crea), Hematocrit (Hct), Hemoglobin (Hgb)</td>
</tr>
</tbody>
</table>

### Blood Gas

**Results in 2 minutes**

<table>
<thead>
<tr>
<th>Cartridge</th>
<th>Test Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>G3+</em> 03P78-25</td>
<td>pH, PCO₂, PO₂, TCO₂, HCO₃̄, BEₑcf, SO₂</td>
</tr>
<tr>
<td><em>CG4+</em> 03P75-25</td>
<td>pH, PCO₂, PO₂, TCO₂, HCO₃̄, BEₑcf, SO₂, Lactate</td>
</tr>
</tbody>
</table>

*For in vitro diagnostic use only.*  
*Calculated*
The *i-STAT System* provides diagnostic testing in four easy steps

**Step 1:** Insert two or three drops of blood into the cartridge
**Step 2:** Insert the cartridge into the handheld
**Step 3:** View the results on the handheld screen within minutes
**Step 4:** Upload information automatically into the LIS/HIS

### Cardiac Markers

**Results in 10 minutes**
- **cTnI**
  - 03P90-25
  - Troponin I

**Results in 5 minutes**
- **BNP**
  - 03P93-25
  - BNP
- **CK-MB**
  - 03P92-25
  - CK-MB

**Intended Use**

**Cardiac Markers**

**cTnI**
The *i-STAT cTnI* test is an *in vitro* test for the quantitative measurement of cardiac troponin I (cTnI) in whole blood or plasma samples.

**CK-MB**
The *i-STAT CK-MB* test is an *in vitro* test for the quantitative measurement of creatine kinase MB mass in whole blood or plasma samples. CK-MB measurements can be used as an aid in the diagnosis and treatment of myocardial infarction (MI).

**BNP**
The *i-STAT BNP* test is an *in vitro* diagnostic test for the quantitative measurement of B-type natriuretic peptide (BNP) in whole blood or plasma samples using EDTA as the anticoagulant. BNP measurements can be used as an aid in the diagnosis and assessment of the severity of congestive heart failure.

### Coagulation

**Results in ≤5 minutes**
- **PT/INR**
  - 03P89-24
  - Prothrombin Time

**Results in <17 minutes**
- **Celite ACT**
  - 03P86-25
  - Celite ACT
- **Kaolin ACT**
  - 3P87-25
  - Kaolin ACT

**Coagulation**

**ACT Kaolin**
The *i-STAT* Kaolin Activated Clotting Time (Kaolin ACT) test is an *in vitro* diagnostic test that uses fresh whole blood to monitor high-dose heparin anticoagulation, frequently associated with cardiovascular surgery.

**ACT Celite®**
The *i-STAT* Celite ACT test is useful for monitoring patients receiving heparin for treatment of pulmonary embolism or venous thrombosis, and for monitoring anticoagulation therapy in patients undergoing medical procedures such as catheterization, cardiac surgery, surgery, organ transplant, and dialysis.

**PT/INR**
The *i-STAT* PT, a prothrombin time test, is useful for monitoring patients receiving oral anticoagulation therapy such as Coumadin® or warfarin.

*See CTI sheets for full details at www.abbottpointofcare.com*

Coumadin is a registered trademark of Bristol-Myers Squibb.
The i-STAT System: Flexible and expandable across the continuum of care

Emergency Department Central Laboratory Critical Care

The i-STAT System complements the clinical lab’s efforts by providing lab-quality results for the most commonly ordered tests while improving efficiency throughout the continuum of care.

Surgical Suites Radiology Respiratory

Key Benefits of the i-STAT System

Provides an easy-to-use four-step testing process that works with you

- Reduces the time required to collect, process, and report accurate test results, allowing diagnosis and treatment at the bedside

Offers the most comprehensive bedside testing platform available

- Tests include cardiac markers, blood gases, lactate, chemistries and electrolytes, coagulation, and hematology
- Advanced biosensor technology ensures accurate, lab-quality results

Accelerates patient care decision-making

- Portable, handheld system provides lab-quality results in minutes
- Helps maintain compliance with guideline-recommended lab turnaround times

Leverages the power of a single, integrated bedside testing solution

- A single testing system, rather than multiple systems and protocols
- Simplified implementation, training, and regulatory requirements