The i-STAT® System: Comprehensive Point-of-Care Testing

The i-STAT System is an advanced handheld diagnostic tool that provides real-time, lab-quality results within minutes.
The i-STAT System:

A Wide Range of Cartridges for Diagnostic Testing

**Chemistry**

Results in 2 minutes

- CHEM8+ 03P91-25
  - Sodium (Na)
  - Potassium (K)
  - Chloride (Cl)
  - pH
  - PCO2
  - Urea Nitrogen (BUN)/Urea
  - Glucose (Glu)
  - Creatinine (Crea)
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- Crea 03P94-25
  - Creatinine (Crea)

- G 03P63-25
  - Glucose (Glu)

**Blood Gas**

Results in 2 minutes

- G3+ 03P78-25
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- CG4+ 03P85-25
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Lactate

**Electrolytes and Hematology**

Results in 2 minutes

- E3+ 03P82-25
  - Sodium (Na)
  - Potassium (K)
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- EC4+ 03P81-25
  - Sodium (Na)
  - Potassium (K)
  - Glucose (Glu)
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- G 03P63-25
  - Glucose (Glu)

- 6+ 03P80-25
  - Sodium (Na)
  - Potassium (K)
  - Chloride (Cl)
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

**Blood Gas, Electrolytes and Hematology**

Results in 2 minutes

- CG8+ 03P88-25
  - Sodium (Na)
  - Potassium (K)
  - Ionized Calcium (iCa)
  - Glucose (Glu)
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- EG7+ 03P76-25
  - Sodium (Na)
  - Potassium (K)
  - Ionized Calcium (iCa)
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- EC8+ 03P79-25
  - Sodium (Na)
  - Potassium (K)
  - Chloride (Cl)
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Anion Gap† (Agap)
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

- EG6+ 03P77-25
  - Sodium (Na)
  - Potassium (K)
  - Ionized Calcium (iCa)
  - Glucose (Glu)
  - pH
  - PCO2
  - PO2
  - TCO2
  - HCO3
  - BE
  - sO2
  - Hematocrit (Hct)
  - Hemoglobin† (Hgb)

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**Granted Waived Status for the i-STAT 1 System**

- Lithium and sodium heparin whole blood venous samples collected in evacuated (green-top) tubes.

*For in vitro diagnostic use only.†Calculated
Intended Use

Lactate
The test for lactate, as part of the i-STAT System, is intended for use in the *in vitro* quantification of lactate in arterial, venous, or capillary whole blood. The *i-STAT lactate test* is useful for (1) the diagnosis and treatment of lactic acidosis in conjunction with measurements of blood acid/base status, (2) monitoring tissue hypoxia and strenuous physical exertion, and (3) diagnosis of hyperlactatemia.

cTnI
The *i-STAT cardiac troponin I (cTnI)* test is an *in vitro* diagnostic test for the quantitative measurement of cardiac troponin I (cTnI) in whole blood or plasma. Measurements of cardiac troponin I are used in the diagnosis and treatment of myocardial infarction and as an aid in the risk stratification of patients with acute coronary syndromes with respect to their relative risk of mortality.

CK-MB
The *i-STAT CK-MB* test is an *in vitro* diagnostic 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).

See CTI sheets for full details at abbottpointofcare.com

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.

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

ACT Celite®
The *i-STAT Celite Activated Clotting Time (KaolinACT)* test is an *in vitro* diagnostic test that uses fresh, whole blood, and 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.

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
The i-STAT® System:
Leverage the power of a single, integrated point-of-care testing solution

The fully automated i-STAT System offers a broad menu of tests for diagnostic and treatment indicators related to disease state management and clinical practice guidelines. Using just 2 or 3 drops of blood, the system provides time-sensitive tests at the patient’s side in just minutes.

Benefits of the i-STAT System

- **Real-time, lab-quality results within minutes**
  provide accurate results for a wide range of tests right in patient care settings

- **Supports a patient-centric approach to health care**
  that accelerates patient care decision-making by reducing the time needed to get vital information to clinicians

- **Broad and expanding range of tests with one platform**
  is ideal for meeting various medical practice needs

- **Optimizes system efficiency** by eliminating process steps and handoffs to help reduce the incidence of errors and promote patient safety

For **in vitro** diagnostic use only.

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For CPT codes, please visit www.codemap.com/abbott.

To learn more about how our technology, process, and service innovations can help your facility meet its goals, contact your i-STAT or Distribution Representative, or visit www.abbottpointofcare.com.