

Accelerating Patient Care Decision-Making:

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)
Ionized Calcium (iCa)
TCO₂
Glucose (Glu)
Urea Nitrogen (BUN)/Urea
Creatinine (Crea)
Anion Gap† (Agap)
Hematocrit (Hct)
Hemoglobin† (Hgb)



Crea
03P84-25

Creatinine (Crea)



G
03P83-25

Glucose (Glu)



Blood Gas

Results in 2 minutes



G3+
03P78-25

pH
PCO₂
PO₂
TCO₂†
HCO₃†
BE_{ecf}†
sO₂†



CG4+
03P85-25

pH
PCO₂
PO₂
TCO₂†
HCO₃†
BE_{ecf}†
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)



6+
03P80-25

Sodium (Na)
Potassium (K)
Chloride (Cl)
Urea Nitrogen (BUN)/Urea
Glucose (Glu)
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_{ecf}†
sO₂†
Hematocrit (Hct)
Hemoglobin† (Hgb)



EG7+
03P76-25

Sodium (Na)
Potassium (K)
Ionized Calcium (iCa)
pH
PCO₂
PO₂
TCO₂†
HCO₃†
BE_{ecf}†
sO₂†
Hematocrit (Hct)
Hemoglobin† (Hgb)



EC8+
03P79-25

Sodium (Na)
Potassium (K)
Chloride (Cl)
pH
PCO₂
Urea Nitrogen (BUN)/Urea
Glucose (Glu)
TCO₂†
HCO₃†
BE_{ecf}†
Anion Gap† (Agap)
Hematocrit (Hct)
Hemoglobin† (Hgb)



EG6+
03P77-25

Sodium (Na)
Potassium (K)
pH
PCO₂
PO₂
TCO₂†
HCO₃†
BE_{ecf}†
sO₂†
Hematocrit (Hct)
Hemoglobin† (Hgb)

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

*For *in vitro* diagnostic use only.

†Calculated

Providing Lab-Quality Results in Minutes

Cardiac Markers

Results in 10 minutes

Results in 5 minutes



cTnI

03P90-25

Troponin I



BNP

03P93-25

BNP



CK-MB

03P92-25

CK-MB

Coagulation

Results in ≤5 minutes

Results in <17 minutes



PT/INR

03P89-24

Prothrombin Time



Celite^{ACT}

03P86-25

Celite ACT



Kaolin^{ACT}

3P87-25

Kaolin ACT

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* (^{Kaolin}ACT) 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* (^{Celite}ACT) 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

Urgent Care

Surgery Centers

Radiology/Imaging Centers

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.

Family Practice/Int. Medicine

Urology

Oncology

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



i-STAT System Waived Kit (04J60-20) and Non-waived Kit (04J48-50) include:

- *i-STAT* handheld
- Printer
- Simulator
- Downloader
- Manual



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