

Accelerating Patient Care Decision-Making:

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



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)



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



CG8+
03P88-25

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

EG7+
03P76-25

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

EC8+
03P79-25

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

EG6+
03P77-25

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

Chemistry

Results in 2 minutes



Crea
03P84-25

Creatinine (Crea)

G
03P83-25

Glucose (Glu)

CHEM8+
03P91-25

Sodium (Na)
Potassium (K)
Chloride (Cl)
Ionized Calcium (iCa)
TCO₂
Glucose (Glu)
Urea Nitrogen (BUN)/Urea
Creatinine (Crea)
Hematocrit (Hct)
Hemoglobin* (Hgb)

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

i-STAT®

*For *in vitro* diagnostic use only.

[†]Calculated

for diagnostic testing*



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

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

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

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 minutes¹
- Helps maintain compliance with guideline-recommended lab turnaround times²

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



References: 1. Apple FS, Murakami MM, Christenson RH, et al. Analytical performance of the i-STAT cardiac troponin I assay. *Clin Chim Acta*. 2004;345:123-127. 2. Ryan R, Lindsell C, Hollander J, et al. A multicenter randomized controlled trial comparing central laboratory and point-of-care marker testing strategies: The disposition impacted by serial point of care markers in acute coronary syndromes (DISPO-ACS) trial. *Ann Emerg Med*. 2009;53:321-328.

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Small Hospital Core Visual Aid 026393 Rev A 12/10

To learn more about how the *i-STAT* System can help you improve patient care in your facility, contact your *i-STAT* or Distribution Representative or visit us at www.abbottpointofcare.com.

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

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