Abbott

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.

*FOR IN VITRO DIAGNOSTIC USE ONLY

A WIDE RANGE OF CARTRIDGES FOR DIAGNOSTIC TESTING

BLOOD GAS

G3+

03P78-25

pH
PCO_2
PO_2
TCO_2†
HCO_3†
BE_{ecf}†
sO_2†

CG4+

03P85-25

pH
PCO_2
PO_2
TCO_2†
HCO_3†
BE_{ecf}†
sO_2†
Lactate

CHEMISTRY

CHEM 8+

09P31-25

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, ELECTROLYTES AND HEMATOLOGY

CG8+

03P88-25

Sodium (Na)
Potassium (K)
Ionized Calcium (iCa)
Glucose (Glu)
pH
PCO_2
PO_2
TCO_2†
HCO_3†
BE_{ecf}†
sO_2†
Hematocrit (Hct)
Hemoglobin† (Hgb)

EG7+

03P76-25

Sodium (Na)
Potassium (K)
Ionized Calcium (iCa)
pH
PCO_2
PO_2
TCO_2†
HCO_3†
BE_{ecf}†
sO_2†
Hematocrit (Hct)
Hemoglobin† (Hgb)

EC8+

03P79-25

Sodium (Na)
Potassium (K)
Chloride (Cl)
pH
PCO_2
Urea Nitrogen (BUN)/Urea
Glucose (Glu)
TCO_2†
HCO_3†
BE_{ecf}†
Anion Gap† (Agap)
Hematocrit (Hct)
Hemoglobin† (Hgb)

EG6+

03P77-25

Sodium (Na)
Potassium (K)
pH
PCO_2
PO_2
TCO_2†
HCO_3†
BE_{ecf}†
sO_2†
Hematocrit (Hct)
Hemoglobin† (Hgb)

† CALCULATED

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PROVIDING LAB-QUALITY RESULTS IN MINUTES

CARDIAC MARKERS

RESULTS IN APPROX. 10 MINS.		RESULTS IN ≈5 MINS.
cTnI	BNP	CK-MB
03P90-25	03P93-25	03P92-25
Cardiac Troponin I	BNP	CK-MB

COAGULATION

RESULTS IN ≈ ≤ 5 MINS.	RESULTS IN ≈ < 17 MINS.	
PT/INR	CELITE ACT	KAOLIN ACT
03P89-24	03P86-25	03P87-25
Prothrombin Time	Celite ACT	Kaolin ACT

INTENDED USE

CG4+

The *i-STAT CG4+* cartridge is intended for use in the *in vitro* quantification of pH, PO2, PCO2, and lactate in arterial or venous whole blood in point of care or clinical laboratory settings. pH, PO2 and PCO2 measurements are used in the diagnosis, monitoring, and treatment of respiratory disturbances and metabolic and respiratory-based acid-base disturbances. Lactate measurements are used in (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).

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.

KAOLIN ACT

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 associat-ed with cardiovascular surgery.

CELITE ACT

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 cartridge into the analyser

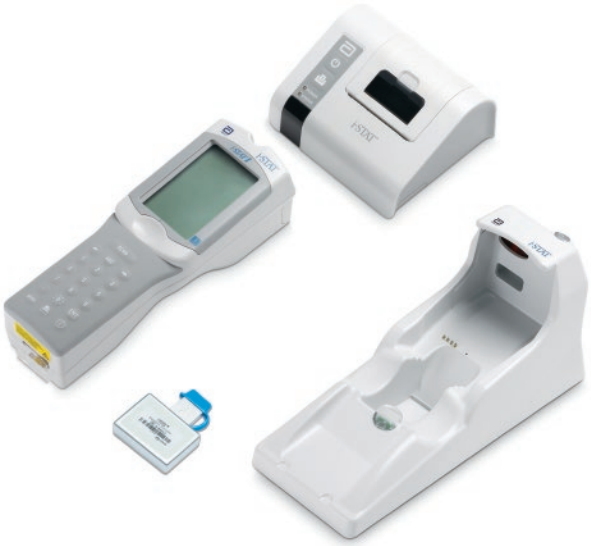
Step 3: View the results on the handheld screen within minutes

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 for

- **URGENT CARE**
- **UROLOGY**
- **RADIOLOGY/ IMAGING CENTERS**
- **SURGERY CENTERS**
- **ONCOLOGY**
- **FAMILY PRACTICE/ INT. MEDICINE**



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.

i-STAT SYSTEM INCLUDES:

- i-STAT 1 analyzer
- Simulator
- Manual
- Printer
- Downloader

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 steps and handoffs to help reduce the incidence of errors and promote patient safety

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Abbott | Point of Care Diagnostics | 3569.REV3 06/24

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