

Accelerating Patient Care Decision-Making:

i-STAT[®] System

Complementing the lab's efforts



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



Ease of Use, Reliable Results

- Provides lab-quality results at the patient's bedside in minutes, throughout the continuum of care

Helps Increase Lab Efficiency

- Alleviates pressure on lab technicians, freeing them to focus on more complex, time-consuming tests

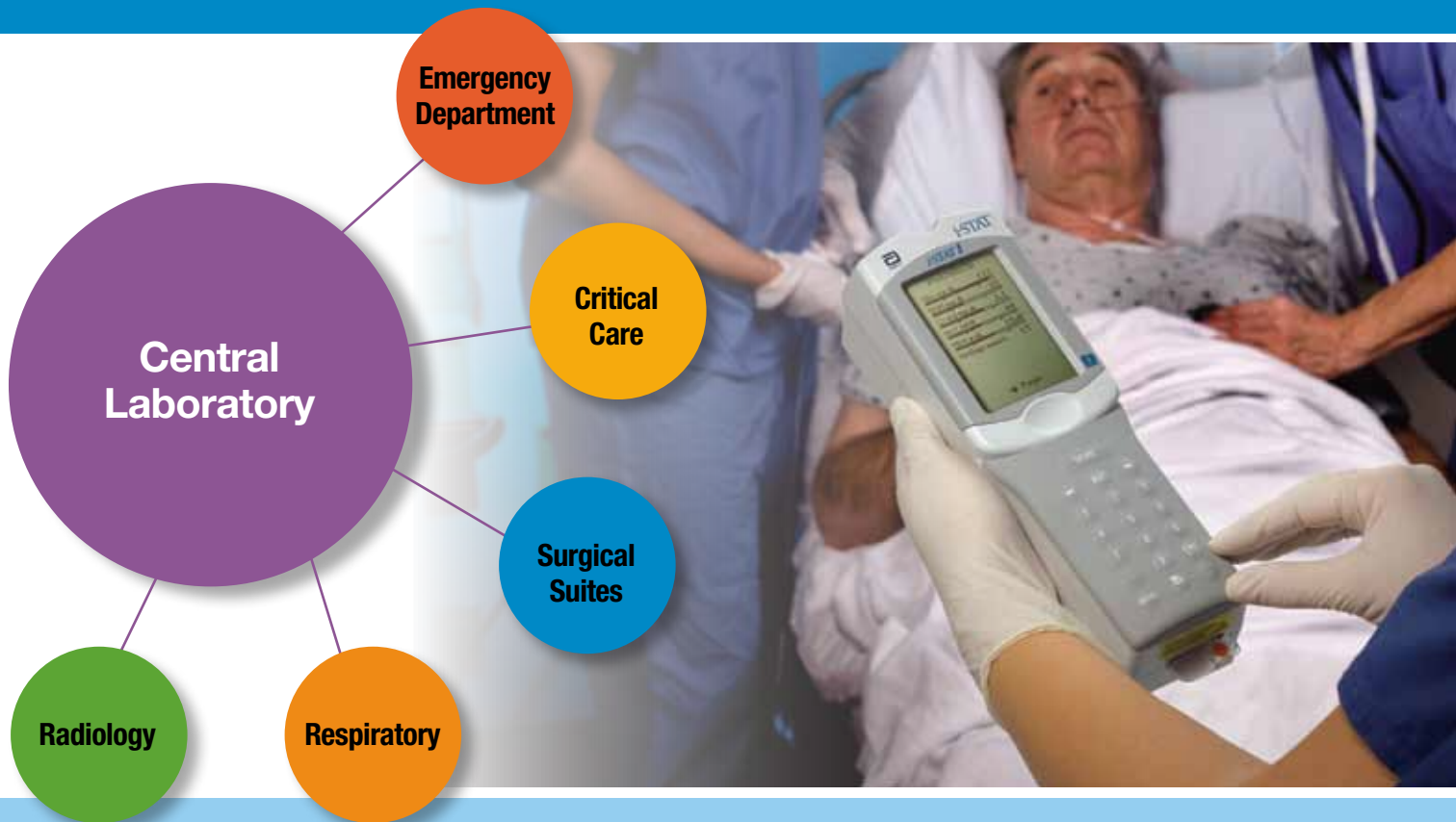
Meets Regulatory Guidelines

- Designed to meet all CLIA, College of American Pathologists, the Joint Commission, and COLA requirements for point-of-care testing

Helps Reduce Costs

- Reduces the time required for lab results, which can reduce door-to-disposition times and patient flow throughout the hospital^{1,2}

Extending your lab's reach across the continuum of care



The *i-STAT* System works with you by providing lab-quality results for the most commonly-ordered tests at the patient's bedside

“With point-of-care testing, we have a better way to achieve clinically important results in an intensive care or an emergent setting.”

Steven J. Melnick, PhD, MD
Chief of Pathology and Laboratories
Miami Children's Hospital

- **Results in Minutes**

Helps expedite patient care by accelerating the availability of critical diagnostic test information and meets the need for rapid turnaround times on critical test results

- **Consolidated Platform**

Provides standardization—which can help streamline compliance and training—and eliminates the need for multiple point-of-care systems to perform a wide range of critical tests, reducing both cost and complexity

- **Simple Integration**

Can be interfaced with many major Lab Information Systems/ Hospital Information Systems (LIS/HIS) so that patient results can be directly uploaded into the patient's electronic medical record (EMR)

Ease of use backed by built-in quality assurance

The *i-STAT* System provides bedside 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



i-STAT handheld, manual, simulator, and printer

- **Ease of use**

Intuitive 4-step operation walks the user through the testing process and features seamless integration of test results into the LIS/HIS to streamline the process and reduce the chance of errors

- **Handheld convenience**

Lightweight and portable, the handheld *i-STAT* System allows testing to be done at the patient's bedside throughout the hospital—and offsite during disaster relief situations—saving time, improving efficiency, and increasing staff flexibility

- **Equivalent quality control (EQC)**

Sample integrity, sensors, and fluidics quality checks occur automatically with each unit use cartridge, enabling labs to achieve CLIA EQC compliance



Downloaders

i-STAT®

The i-STAT System: A comprehensive menu of cartridges for bedside testing

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.



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

Results in 2 minutes

03M86-01 Sodium (Na) Potassium (K) Ionized Calcium (iCa) Glucose (Glu) Hematocrit (Hct) pH PCO ₂ PO ₂ TCO ₂ * HCO ₃ * BE _{ed} * sO ₂ * Hemoglobin* (Hgb)	06F01-01 Sodium (Na) Potassium (K) Ionized Calcium (iCa) Hematocrit (Hct) pH PCO ₂ PO ₂ TCO ₂ * HCO ₃ * BE _{ed} * sO ₂ * Hemoglobin* (Hgb)	06F05-01 Sodium (Na) Potassium (K) Chloride (Cl) Urea Nitrogen (BUN)/Urea Glucose (Glu) Hematocrit (Hct) Hemoglobin* (Hgb)	06F04-01 Sodium (Na) Potassium (K) Chloride (Cl) pH PCO ₂ Urea Nitrogen (BUN)/Urea Glucose (Glu) Hematocrit (Hct) TCO ₂ * HCO ₃ * BE _{ed} * Anion Gap* (Agap) Hemoglobin* (Hgb)	06F02-01 Sodium (Na) Potassium (K) Hematocrit (Hct) pH PCO ₂ PO ₂ TCO ₂ * HCO ₃ * BE _{ed} * sO ₂ * Hemoglobin* (Hgb)	06F07-01 Sodium (Na) Potassium (K) Glucose (Glu) Hematocrit (Hct) Hemoglobin* (Hgb)	06F08-01 Sodium (Na) Potassium (K) Hematocrit (Hct) Hemoglobin* (Hgb)

Blood Gas

Results in 2 minutes

06F03-01 pH PCO ₂ PO ₂ TCO ₂ * HCO ₃ * BE _{ed} * sO ₂ *	07G02-01 pH PCO ₂ PO ₂ TCO ₂ * HCO ₃ * BE _{ed} * sO ₂ * Lactate

Chemistry

Results in 2 minutes

06F10-01 Creatinine (Crea)	06F09-01 Glucose (Glu)	03M88-01 Sodium (Na) Potassium (K) Chloride (Cl) Ionized Calcium (iCa) TCO ₂ Glucose (Glu) Urea Nitrogen (BUN)/Urea Creatinine (Crea) Hematocrit (Hct) Hemoglobin* (Hgb)

Coagulation

Results in ≤5 minutes

Results in <17 minutes

04J50-01 Prothrombin Time	07G01-01 Celite ACT	07G81-01 Kaolin ACT

Cardiac Markers

Results in 10 minutes

Results in 5 minutes

06F15-03 Troponin I	06F30-01 BNP	06F25-01 CK-MB

*Calculated

References: 1. Hsiao AL, Santucci KA, Dziura J, et al. A randomized trial to assess the efficacy of point-of-care testing in decreasing length of stay in a pediatric emergency department. *Ped Emer Care.* 2007;7:457-462.
2. Blomkalns AL, Ronan SE, Johannigman JA, et al. Serial venous point-of-care lactate measurements for the evaluation and triage of undifferentiated patients with blunt trauma. Abstract presented at: 2006 Society of Academic Emergency Medicine (SAEM) Annual Meeting; May 18-21, 2006; San Francisco, CA.

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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.

