

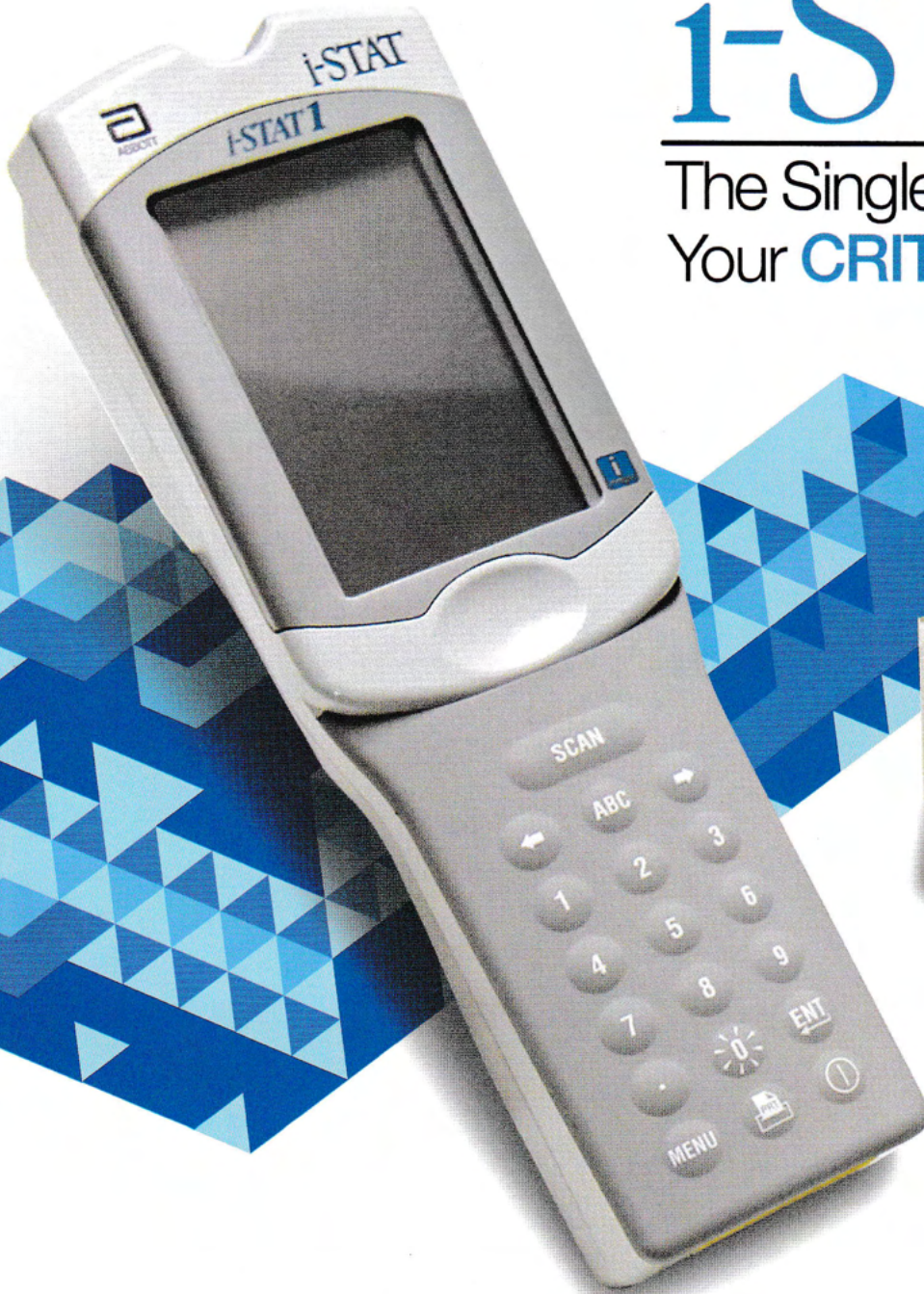


MEDTEK
Confidence in Medical Diagnostics

QA QUALITY ASSURANCE **ISO 9001:2008**

i-STAT

The Single Platform for
Your **CRITICAL** Needs



- Real-time, lab-quality results within minutes
- True POC analyzer capable of patient-side testing
- Comprehensive range of tests from a single platform
- Improves patient flow and timeliness of care
- Simple four-step process that streamlines conventional lab testing

 **Abbott**
Point of Care

i-STAT Cartridge Parameters

The fully-automated i-STAT System offers a comprehensive range of tests for diagnostic, treatment, and prognostic indicators related to disease state management and clinical practice guidelines. Each cartridge can determine a variety of parameters according to the needs of the hospital's specific departments, such as the Emergency, Critical Care, Central Lab, Cath Lab, Surgical Services, Radiology and Respiratory Department.

Parameters	Blood Gas		Blood Gas, Electrolytes & Hematology				Electrolytes & Hematology			Chemistry			Coagulation			Cardiac Markers		
	G3+	CG4+	EC8+	EG6+	EG7+	CG8+	E3+	EC4+	6+	G	Crea	CHEM8+	Cellite ACT	Kaolin ACT	PT/INR	cTnl	CK-MB	BNP
Creatinine											●	●						
Urea Nitrogen (BUN)			●									●						
Glucose (Glu)			●			●			●	●								
Chloride (Cl)			●							●		●						
Sodium (Na)			●	●	●	●	●	●	●			●						
Potassium (K)			●	●	●	●	●	●	●			●						
Ionized Calcium (iCa)					●	●						●						
Hematocrit (Hct)			●	●	●	●	●	●	●			●						
Hemoglobin _t (Hgb)			●	●	●	●	●	●	●			●						
pH	●	●	●	●	●	●												
PCO ₂	●	●	●	●	●	●												
PO ₂	●	●		●	●	●												
TCO _{2t}	●	●	●	●	●	●						●						
HCO _{3t}	●	●	●	●	●	●												
BE _{ecft}	●	●	●	●	●	●												
sO _{2t}	●	●		●	●	●												
Lactate		●																
Anion Gap _t			●									●						
ACT (Cellite)													●					
ACT (Kaolin)														●				
PT/INR															●			
cTnl																●		
CK-MB																	●	
BNP																		●

Departments	G3+	CG4+	EC8+	EG6+	EG7+	CG8+	E3+	EC4+	6+	G	Crea	CHEM8+	Cellite ACT	Kaolin ACT	PT/INR	cTnl	CK-MB	BNP
Emergency		●					●	●			●	●			●	●	●	●
Critical Care	●				●	●						●				●	●	●
Cath Lab	●											●	●	●				
Central Lab	●	●			●	●						●			●	●		●
Surgical Services	●				●	●	●	●				●			●			
Radiology											●	●	●	●				
Respiratory	●				●	●												

† - Calculated

i-STAT System Four-step Process

With just 2-3 drops of blood, the system provides quantitative results at the patient's bedside in just minutes.



Step 1: Insert 2 or 3 drops of blood into the cartridge



Step 2: Insert the cartridge into the cartridge port



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



Step 4: Print results

The i-STAT Distinction

1

The i-STAT System is a state-of-the-art blood analyzer that allows real-time, lab quality results within minutes.

2

SINGLE-USE

- Fresh new electrodes every use
- No need for recalibration packs
- No need for clot management
- No need for expensive heparinized syringes



3

1 Analyzer, Multiple Functions



- Blood Gas
- Hematology
- Chemistry
- Electrolytes
- Coagulation
- Cardiac Markers

4

TRUE Point-of-Care Patient-Side Testing

Portable and easy to use, the i-STAT System has an advanced biosensor technology that enables patient-side testing.

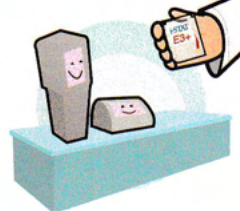
i-STAT vs Conventional



Dr. M requests test.



Blood sample drawn.



Test performed using i-STAT Analyzer.



Results printed.



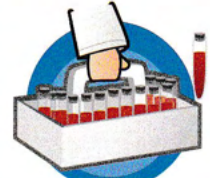
Dr. M receives results and therapeutic action can now be performed.



Dr. C requests test.



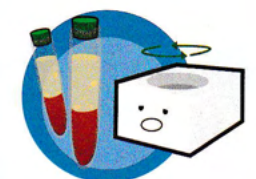
Blood sample drawn.



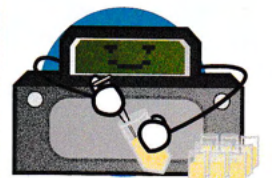
Blood sample transported to the laboratory.



Samples received, labeled and sorted.



Samples centrifuged.



Test performed on conventional machine.



Results reported to the medical unit.



Dr. C receives results and therapeutic action can now be performed.

Oh, wow! If this is a race, I'm the winner!



i-STAT
TOTAL TIME
00:10
MINUTES

Oops...



CONVENTIONAL
TOTAL TIME
01:00
HOUR



BLOOD GAS & ELECTROLYTES

CG8+

Sodium, Potassium, Ionized Calcium, Glucose, Hematocrit, pH, PCO₂, PO₂, TCO₂, HCO₃⁻, BEecf*, sO₂, Hemoglobin*

EG7+

Sodium, Potassium, Ionized Calcium, Hematocrit, pH, PCO₂, PO₂, TCO₂, HCO₃⁻, BEecf*, sO₂, Hemoglobin*

6+

Sodium, Potassium, Chloride, Urea Nitrogen/Urea, Glucose, Hematocrit, Hemoglobin*

EC8+

Sodium, Potassium, Chloride, pH, PCO₂, Urea Nitrogen/Urea, Glucose, Hematocrit, TCO₂, HCO₃⁻, BEecf*, Anion Gap*, Hemoglobin

EG6+

Sodium, Potassium, Hematocrit, pH, PCO₂, PO₂, TCO₂, HCO₃⁻, BEecf*, sO₂, Hemoglobin*

EC4+

Sodium, Potassium, Glucose, Hematocrit, Hemoglobin*

E3+

Sodium, Potassium, Hematocrit, Hemoglobin*

5

SIMPLE OPERATION

1. Apply a single drop of blood to the cartridge.
2. Insert cartridge into the cartridge port.
3. RESULTS WITHIN MINUTES!



Granted Waived Status for Lithium Heparin and Sodium Heparin whole blood venous samples only.

BLOOD GAS

G3+

pH, PCO₂, PO₂, TCO₂, HCO₃⁻, BEecf*, sO₂*

CG4+

pH, PCO₂, PO₂, TCO₂, HCO₃⁻, BEecf*, sO₂, Lactate

CARDIAC MARKERS

cTnl

Troponin I

CK-MB

Creatine Kinase MB

BNP

B-Type Natriuretic Peptide

The i-STAT System

The fully automated i-STAT System offers a broad menu of tests for diagnostics and treatment indicators related to disease state management.

Seen me somewhere?
it means it's calculated.

COAGULATION

Celite® ACT

Celite ACT

PT/INR

Prothrombin Time

Kaolin ACT

Kaolin ACT

CHEMISTRY

Crea

Creatinine

G

Glucose

CHEM8+

Sodium, Potassium, Chloride, Ionized Calcium, TCO₂, Glucose, Urea Nitrogen/ Urea, Creatinine, Hematocrit, Hemoglobin*