



epoc Blood Analysis System

Optimize operations and improve outcomes at the point of care

siemens-healthineers.us/epoc



Transforming Care Delivery

Right result. Right here. Right now.

The epoc® Blood Analysis System is a handheld, wireless POC testing solution that provides blood gas, basic metabolic panel with hematocrit, and lactate results at the bedside in less than 1 minute.

By moving patient testing to the bedside, patients, caregivers, and the laboratory benefit from a simpler, more efficient process that may improve turnaround times and operational efficiencies while reducing costs.

Bringing efficiency to POC testing: key differentiating features

Feature	epoc	I-STAT	epoc System Benefit
13 critical tests from a single blood sample	Yes	No	One Test Card minimizes required sample volume and compliments menu of all other cartridges configurations.
Blood gas, basic metabolic panel with hematocrit, and lactate on a single Test Card with results in less than 1 minute	Yes	No	May enable faster clinical decisions along with blood conservation.
Simplified inventory and quality control management	Yes	No	No refrigeration required. Minimizes need for management and quality control testing of multiple reagents.
Bar-coded Test Card	Yes	No	Monitoring and tracking of stability once removed from refrigeration are not required. Bar code eliminates risk of using an expired Test Card (and treating patients based on a potentially erroneous result).
Calibration BEFORE sample application	Yes	No	May preserve sample and reduce need for possible patient resticks.
Room temperature-stable reagent with up to 5 months of shelf-life	Yes	No	Test Cards always ready for use. No equilibration to room temperature required. Minimize waste.



Driving clinical outcomes

Calibration BEFORE sample is introduced (no wasted sample)

13 critical tests on a single, room temperature-stable test card

Comprehensive results transmitted wirelessly in less than 1 minute

Full menu on a single Test Card: epoc system versus I-STAT system

Platform	epoc	I-STAT											
Product	epoc Test Card	G3+	CG4+	EG6+	EG7+	CG8+	G	Crea	E3+	EC4+	6+	CHEM8+	EC8+
pH	•	•	•	•	•	•							
pCO ₂ (partial pressure of CO ₂)	•	•	•	•	•	•							
pO ₂ (partial pressure of O ₂)	•	•	•	•	•	•							
Na (sodium)	•			•	•	•			•	•	•	•	•
K (potassium)	•			•	•	•			•	•	•	•	•
iCa (ionized calcium)	•				•	•						•	
Hct (hematocrit)	•			•	•	•			•	•	•	•	•
Glu (glucose)	•					•	•			•	•	•	•
Anion gap	•											•	•
TCO ₂ (total CO ₂)	•	•	•	•	•	•						•	
HCO ₃ (bicarbonate)	•	•	•	•	•	•							
BE ecf (base excess in extracellular fluid)	•	•	•	•	•	•							
BE b (base excess in blood)	•												
sO ₂ (saturated oxygen)	•	•	•	•	•	•							
Hb (hemoglobin)	•			•	•	•			•	•	•	•	•
Lactate	•		•										
Creatinine with estimated GFR	•							•				•	
BUN (blood urea nitrogen)	•										•	•	•
Cl (chloride)	•										•	•	•

Siemens Healthineers POC portfolio covers all your POC testing needs

Also available from Siemens Healthineers:



Stratus® CS Acute Care™ Diagnostic System

With D-dimer, bHCG, NT-ProBNP, and guideline-acceptable troponin I tests.



RAPIDPoint® 500 Blood Gas System

Lab-quality blood gas, electrolytes, metabolites along with CO-oximetry on an easy-to-use and manage analyzer that accommodates blood and pleural fluid samples.

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We're a leading medical technology company with over 120 years of experience and 18,500 patents globally. With about 50,000 dedicated colleagues in over 70 countries, we'll continue to innovate and shape the future of healthcare.

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The information in this document contains general technical descriptions of specifications and options as well as standard and optional features, which do not always have to be present in individual cases.

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Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com

USA

Siemens Healthcare Diagnostics Inc.
Point of Care Diagnostics
2 Edgewater Drive
Norwood, MA 02062-4637, USA
Phone: +1-877-229-3711
siemens-healthineers.us