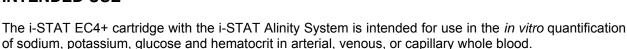
i-STAT EC4+ Cartridge

Intended for use with the i-STAT Alinity Instrument

NAME

i-STAT EC4+ Cartridge - REF 03P81-25

INTENDED USE



Analyte	Intended Use
Sodium (Na)	Sodium measurements are used for monitoring electrolyte imbalances.
Potassium (K)	Potassium measurements are used in the diagnosis and monitoring of diseases and clinical conditions that manifest high and low potassium levels.
Glucose (Glu)	Glucose measurements are used in the diagnosis, monitoring, and treatment of carbohydrate metabolism disorders including, but not limited to, diabetes mellitus, neonatal hypoglycemia, idiopathic hypoglycemia, and pancreatic islet cell carcinoma.
Hematocrit (Hct)	Hematocrit measurements can aid in the determination and monitoring of normal or abnormal total red cell volume status including, but not limited to, conditions such as anemia, erythrocytosis, and blood loss related to trauma and surgery.

SUMMARY AND EXPLANATION/CLINICAL SIGNIFICANCE Measured:

Sodium (Na)

Tests for sodium in the blood are important in the diagnosis and treatment of patients suffering from hypertension, renal failure or impairment, cardiac distress, disorientation, dehydration, nausea and diarrhea. Some causes of increased values for sodium include dehydration, diabetes insipidus, salt poisoning, skin losses, hyperaldosteronism and CNS disorders. Some causes for decreased values for sodium include dilutional hyponatremia (cirrhosis), depletional hyponatremia and syndrome of inappropriate ADH.

Potassium (K)

Tests for potassium in the blood are important in the diagnosis and treatment of patients suffering from hypertension, renal failure or impairment, cardiac distress, disorientation, dehydration, nausea and diarrhea. Some causes of increased values for potassium include renal glomerular disease, adrenocortical insufficiency, diabetic ketoacidosis (DKA), sepsis and *in vitro* hemolysis. Some causes of decreased values for potassium include renal tubular disease, hyperaldosteronism, treatment of DKA, hyperinsulinism, metabolic alkalosis and diuretic therapy.

Glucose (Glu)

Glucose is a primary energy source for the body and the only source of nutrients for brain tissue. Measurements for determination of blood glucose levels are important in the diagnosis and treatment of patients suffering from diabetes and hypoglycemia. Some causes for increased values of glucose include diabetes mellitus, pancreatitis, endocrine disorders (e.g., Cushing's syndrome), drugs (e.g., steroids, thyrotoxicosis), chronic renal failure, stress, or I.V. glucose infusion. Some causes of decreased values of glucose include insulinoma, adrenocortical insufficiency, hypopituitarism, massive liver disease, ethanol ingestion, reactive hypoglycemia, and glycogen storage disease.

Hematocrit (Hct)

Hematocrit is a measurement of the fractional volume of red blood cells. This is a key indicator of the body's state of hydration, anemia or severe blood loss, as well as the blood's ability to transport oxygen. A decreased hematocrit can be due to either overhydration, which increases the plasma volume, or a decrease in the number of red blood cells caused by anemias or blood loss. An increased hematocrit can be due to loss of fluids, such as in dehydration, diuretic therapy, and burns, or an increase in red blood cells, such as in cardiovascular and renal disorders, polycythemia vera, and impaired ventilation.

TEST PRINCIPLE

The i-STAT System uses direct (undiluted) electrochemical methods. Values obtained by direct methods may differ from those obtained by indirect (diluted) methods. ¹

Measured:

Sodium (Na) and Potassium (K)

The respective analyte is measured by ion-selective electrode potentiometry. Concentrations are calculated from the measured potential through the Nernst equation.

Glucose (Glu)

Glucose is measured amperometrically. Oxidation of glucose, catalyzed by the enzyme glucose oxidase, produces hydrogen peroxide (H_2O_2). The liberated H_2O_2 is oxidized at the electrode to produce a current proportional to the sample glucose concentration.

$$β$$
-D-glucose + $H_2O + O_2$ \longrightarrow D-gluconic acid + H_2O_2 \longleftrightarrow $2H^+ + O_2 + 2e^-$

Hematocrit (Hct)

Hematocrit is determined conductometrically. The measured conductivity, after correction for electrolyte concentration, is inversely related to the hematocrit.

Calculated:

Hemoglobin (Hb)

The i-STAT System provides a calculated hemoglobin result which is determined as follows:

hemoglobin (g/dL) = hematocrit (% PCV) x 0.34

hemoglobin (g/dL) = hematocrit (decimal fraction) x 34

To convert a hemoglobin result from g/dL to mmol/L, multiply the displayed result by 0.621. The calculation of hemoglobin from hematocrit assumes a normal MCHC.

See below for information on factors affecting results. Certain substances, such as drugs, may affect

analyte levels in vivo. ² If results appear inconsistent with the clinical assessment, the patient sample should be retested using another cartridge.

REAGENTS

Contents

Each i-STAT cartridge contains one reference electrode sensor, sensors for the measurement of specific analytes, and a buffered aqueous calibrant solution that contains known concentrations of analytes and preservatives. A list of reactive ingredients for the EC4+ cartridge is shown below:

Sensor	Reactive Ingredient	Reactive Ingredient Biological Source	
Na	Sodium (Na ⁺) N/A		121 mmol/L
K	Potassium (K ⁺)	N/A	3.6 mmol/L
Glu	Glucose	N/A	7 mmol/L
Giu	Glucose Oxidase	Aspergillus niger	0.002 IU

Warnings and Precautions

- For in vitro diagnostic use.
- Cartridges are intended for single-use only. Do not reuse.
- Refer to the i-STAT Alinity System Operations Manual for all warnings and precautions.

Storage Conditions

- Refrigeration at 2–8 °C (35–46 °F) until expiration date.
- Room Temperature at 18–30 °C (64–86 °F). Refer to the cartridge box for room temperature storage requirements.

INSTRUMENTS

The i-STAT EC4+ cartridge is intended for use with the i-STAT Alinity Instrument (Model No. AN-500).

SPECIMEN COLLECTION AND PREPARATION FOR ANALYSIS

Specimen Types

Arterial, venous or capillary whole blood.

Sample volume: 65 µL

Blood Collection Options and Test Timing (time from collection to cartridge fill)

As higher heparin-to-blood ratios may affect results, fill blood collection tubes and syringes to capacity, following manufacturers' instructions.

	EC4+ Sample Collection			
Syringe	 Without anticoagulant Mix sample immediately before filling cartridge. Fill cartridge within 3 minutes of sample collection. 			
	 With balanced heparin anticoagulant Mix sample immediately before filling cartridge. Fill cartridge within 30 minutes of sample collection. 			
Evacuated Tube	Without anticoagulant Mix sample immediately before filling cartridge. Fill cartridge within 3 minutes of sample collection.			

	EC4+ Sample Collection				
	With lithium heparin anticoagulant • Mix sample immediately before filling cartridge. • Fill cartridge within 30 minutes of sample collection.				
Capillary Tube	With balanced heparin anticoagulant • Mix sample immediately before filling cartridge. • Fill cartridge within 3 minutes of sample collection.				
	With lithium heparin anticoagulant - If labeled for measurement of electrolytes. • Mix sample immediately before filling cartridge. • Fill cartridge within 3 minutes of sample collection.				
Fill cartridge directly from skin puncture	While a sample can be transferred directly from a skin puncture to a cartridge, a capillary tube is preferred.				

PROCEDURE FOR CARTRIDGE TESTING

Preparation for Use:

- 1. Individual cartridges may be used after standing five minutes at room temperature. An entire box of cartridges should stand at room temperature for one hour.
- 2. All cartridges should be used immediately after opening pouch.
- 3. If the pouch has been punctured, the cartridge should not be used.
- 4. Do not return cartridges to the refrigerator after bringing them to room temperature.

How to Perform Patient Testing

- 1. From the Home screen, touch "Perform Patient Test". This initiates the patient testing pathway.
- 2. To begin, follow instructions on the screen to "Scan or Enter OPERATOR ID"
- 3. Follow instructions on the screen to "Scan or Enter PATIENT ID"
- 4. Continue to follow prompts on the screen to proceed with patient testing. "Scan (CARTRIDGE POUCH) Barcode", Scanning is required. Information cannot be entered manually.
- 5. The screen for selecting sample type will display if more than one sample type is applicable; select sample type if applicable.
- 6. Follow instructions on the screen to "Close and Insert Filled Cartridge". The action buttons at the bottom of the screen allow forward, backward and pause functionality.
- 7. Once the cartridge is inserted, "Contacting Cartridge" will display followed by the countdown bar. The following alerts are also displayed: "Cartridge locked in instrument. Do not attempt to remove the Cartridge" and "Testing Instrument Must Remain Level".
- 8. When the test is complete, the test results are displayed.

Analysis Time

Approximately 130-200 seconds.

Quality Control

The i-STAT Alinity System quality control regimen comprises various aspects, with a system design that reduces the opportunity for error, including:

1. The i-STAT Alinity System automatically runs a comprehensive set of quality checks of analyzer and cartridge performance each time a sample is tested. This internal quality system will suppress results if the analyzer or cartridge does not meet certain internal specifications.

- **2.** Aqueous-based control solutions are available for verifying the integrity of newly received cartridges.
- **3.** In addition, the instrument performs internal electronic checks and calibration during each test cycle, and the Electronic Simulator test provides an independent check on the ability of the instrument to take accurate and sensitive measurements of voltage, current and resistance from the cartridge. The instrument will pass or fail this electronic test depending on whether or not it measures these signals within limits specified in the instrument software.

For additional information on Quality Control, refer to the i-STAT Alinity System Operations Manual located at www.pointofcare.abbott.

Calibration Verification

Standardization is the process by which a manufacturer establishes "true" values for representative samples. A multi-point calibration is derived for each sensor by this standardization process. These calibration curves are stable over many lots.

A one-point calibration is performed each time a cartridge requiring calibration is used. During the first part of the testing cycle, the calibrant solution is automatically released from its foil pack and is positioned over the sensors. The signals produced by the sensors' responses to the calibrant solution are measured. This one-point calibration adjusts the offset of the stored calibration curve. Next, the instrument automatically moves the sample over the sensors and the signals produced by the sensors' responses to the sample are measured. While coefficients are used rather than graphic calibration curves, the calculation of the result is equivalent to reading the sample's concentration from an adjusted calibration curve.

EXPECTED VALUES

		REPORTABLE	REFERENCE RA	NGE
TEST	UNITS *	RANGE	arterial	venous
MEASURED				
Na	mmol/L (mEq/L)	100–180	138–146 ³	
K	mmol/L (mEq/L)	2.0-9.0	3.5-4.9** 3	
	mmol/L	1.1–38.9	3.9-5.8 4	
Glu	mg/dL	20-700	70–1054	
	g/L	0.20-7.00	0.70-1.054	
Hematocrit/Hct	% PCV ***	15–75	38–51**** ³	
пешаюсились	Fraction	0.15-0.75	0.38-0.513	
CALCULATED				
	g/dL	5.1–25.5	12-17**** 3	
Hemoglobin/Hb	g/L	51–255	120–170 ³	
	mmol/L	3.2–15.8	7–11 ³	

^{*} The i-STAT System can be configured with the preferred units. Not applicable for pH test.

^{**} The reference range for potassium has been reduced by 0.2 mmol/L from the range cited in Reference 3 to account for the difference in results between serum and plasma.

^{***} PCV, packed cell volume.

^{****} The reference ranges for hematocrit and hemoglobin span both female and male populations.

Unit Conversion

- Glucose (Glu): To convert mg/dL to mmol/L, multiply the mg/dL value by 0.055.
- Hematocrit (Hct): To convert a result from % PCV (packed cell volume) to fraction packed cell volume, divide the % PCV result by 100. For the measurement of hematocrit, the i-STAT System can be customized to agree with methods calibrated by the microhematocrit reference method using either K₃EDTA or K₂EDTA anticoagulant. Mean cell volumes of K₃EDTA anticoagulated blood are approximately 2–4% less than K₂EDTA anticoagulated blood. While the choice of anticoagulant affects the microhematocrit method to which all hematocrit methods are calibrated, results from routine samples on hematology analyzers are independent of the anticoagulant used. Since most clinical hematology analyzers are calibrated by the microhematocrit method using K₃EDTA anticoagulant, the i-STAT System default customization is K₃EDTA.

i-STAT Alinity does not have default reference ranges programmed into the instrument. The reference ranges shown above are intended to be used as guides for the interpretation of results. Since reference ranges may vary with demographic factors such as age, gender and heritage, it is recommended that reference ranges be determined for the population being tested.

METROLOGICAL TRACEABILITY

The measured analytes in the i-STAT EC4+ cartridge are traceable to the following reference materials or methods. The i-STAT System controls and calibration verification materials are validated for use only with the i-STAT System and assigned values may not be commutable with other methods.

Sodium (Na) and Potassium (K)

The respective analyte values assigned to i-STAT System controls and calibration verification materials are traceable to the U.S. National Institute of Standards and Technology (NIST) standard reference material SRM956.

Glucose (Glu)

The i-STAT System test for glucose measures glucose amount-of-substance concentration in the plasma fraction of arterial, venous, or capillary whole blood (dimension mmol L⁻¹) for *in vitro* diagnostic use. Glucose values assigned to i-STAT System controls and calibration verification materials are traceable to the U.S. National Institute of Standards and Technology (NIST) standard reference material SRM965.

Hematocrit (Hct)

The i-STAT System test for hematocrit measures packed red blood cell volume fraction in arterial, venous, or capillary whole blood (expressed as the % packed cell volume) for *in vitro* diagnostic use. Hematocrit values assigned to i-STAT System working calibrators are traceable to the Clinical and Laboratory Standards Institute (CLSI) H7-A3 procedure for determining packed cell volume by the microhematocrit method. ⁵

Additional information regarding metrological traceability is available from Abbott Point of Care Inc.

PERFORMANCE CHARACTERISTICS

The performance data summarized for Sodium, Glucose and Hematocrit was collected by professionals trained in the use of the i-STAT Alinity System and comparative methods. The performance data summarized for all other tests listed below was collected at Abbott Point of Care. Representative cartridges were used to collect the data.

Precision*

A multiday precision study was performed with aqueous calibration verification materials in representative cartridges. Duplicates of each aqueous fluid were tested twice a day for 20 days.

Test	Units	Aqueous Cal Ver	n	Mean	SD (Standard Deviation)	CV (%) [Coefficient of Variation (%)]
Na	mmol/L	Very Low Abnormal	80	99.5	0.32	0.3
	or	Low Abnormal	80	121.2	0.32	0.3
	mEq/L	Normal	80	133.7	0.34	0.3
		High Abnormal	80	160.8	0.38	0.2
		Very High Abnormal	80	180.2	0.56	0.3
K	mmol/L	Very Low Abnormal	80	2.31	0.010	0.4
		Low Abnormal	80	2.90	0.015	0.5
		Normal	80	3.81	0.023	0.6
		High Abnormal	80	6.16	0.026	0.4
		Very High Abnormal	80	7.81	0.039	0.5
Glu	mg/dL	Very Low Abnormal	80	26.9	0.42	1.6
		Low Abnormal	80	41.0	0.34	0.8
		High Abnormal	80	125.0	0.32	0.3
		Very High Abnormal	80	286.7	0.77	0.3
		Highest Abnormal	80	600.6	3.47	0.6
Hct	%PCV	Very Low Abnormal	80	16.9	0.46	2.7
		Low Abnormal	80	33.9	0.51	1.5
		High Abnormal	80	55.2	0.49	0.9
		Very High Abnormal	80	65.0	0.39	0.6

^{*}Note: Representative data, individual laboratories may vary from these data.

Method Comparison

Method comparison was demonstrated in a study comparing the i-STAT Alinity to the i-STAT 1 Wireless (i-STAT 1W) using representative cartridges. The studies were based on CLSI guideline EP9-A3. ⁶ Whole blood samples anticoagulated with lithium heparin were evaluated. Samples were analyzed in duplicate on both systems. A weighted Deming regression analysis was performed using the first replicate result from the i-STAT Alinity versus the mean of the duplicates from the i-STAT 1W.

In the method comparison table, n is the number of specimens, and r is the correlation coefficient.

Test	Units		Comparative Method i-STAT 1W
Na	mmol/L	n	174
		Slope	1.0
		r	0.999
		intercept	-1
		X _{min}	115
		X _{max}	173
K	mmol/L	n	195
		Slope	1.00
		r	1.00
		intercept	-0.01

Test	Units		Comparative Method i-STAT 1W
		X_{min}	2.0
		X _{max}	9.0
	mg/dL	n	188
Glu		Slope	1.00
		r	1.000
		intercept	1.17
		X _{min}	24
		X _{max}	671
Hct	%PCV	n	229
		Slope	1.02
		r	0.993
		intercept	-0.36
		X _{min} (%PCV)	18
		X _{max} (%PCV)	70

FACTORS AFFECTING RESULTS

The following substances were evaluated in plasma for relevant analytes at the test concentrations recommended in CLSI guideline EP7-A2 7 unless otherwise noted. For those identified as an interferant the interference is described.

Substance	Test Concentration (mmol/L)	Analyte	Interference (Yes/No)	Comment
Acetaldehyde	0.045 ⁸	Glu	No	
	ļ	Na	No	
Acetaminophen	1.32	K	No	
		Glu	Yes	Increased results
Acetaminophen (therapeutic)	0.1328	Glu	No	***************************************
Acetoacetate	2.0	Glu	No	***************************************
		Na	No	
Acetylcysteine	10.2	K	No	
, tooty toyotom o		Glu	Yes	Decreased results
Acetylcysteine (therapeutic)	0.30 ^{9 10}	Glu	No	
· · ·		Na	No	
Ascorbate	0.34	K	No	
		Glu	No	
Bromide		Na	Yes	Increased results. Use another method.
	37.5	K	Yes	Increased results and rate of star (***) outs. Use another method.
		Glu	Yes	Decreased results. Use another method.

Substance	Test Concentration (mmol/L)	Analyte	Interference (Yes/No)	Comment
	<u> </u>	Hct	Yes	Increased rate of star (***) outs
		Na	No	
Bromide	2.5 ¹¹ 12 13	К	No	
(therapeutic)	2.5	Glu	Yes	Decreased results
		Hct	No	
Dopamine	0.006	Glu	No	
Formaldehyde	0.1338	Glu	No	
		Na	No	
β-Hydroxybutyrate	6.0 14	K	No	
		Glu	No	
Hydroxyurea	0.92	Glu	Yes	Increased results. Use another method.
	6.6	Na	No	
Lactate		K	No	
		Glu	No	
Magnesium	1.0	Na	No	
Chloride	1.0	K	No	
Maltose	13.3	Glu	No	
		Na	Yes	Increased results
Nithiodote (Sodium	16.7 ¹⁵	K	Yes	Decreased results
thiosulfate)		Glu	Yes	Decreased results
Pyruvate	0.31	Glu	No	
•		Na	No	
Salicylate	4.34	K	No	
		Glu	No	
Thiocyanate	6.9	Glu	Yes	Decreased results
Thiocyanate (therapeutic)	0.58	Glu	No	
Uric Acid	1.4	Glu	No	

The degree of interference at concentrations other than those reported above might not be predictable. It is possible that interfering substances other than those tested may be encountered.

Relevant comments regarding interference of Acetaminophen, Acetylcysteine, Bromide, Hydroxyurea and Nithiodote are noted below:

- Acetaminophen has been shown to interfere with i-STAT glucose results at a concentration proscribed by the CLSI guideline, 1.32 mmol/L, which represents a toxic concentration. Acetaminophen at 0.132 mmol/L, which represents the upper end of the therapeutic concentration, has been shown not to significantly interfere with i-STAT glucose results.
- Acetylcysteine has been tested at two levels: the CLSI recommended level of 10.2 mmol/L and a concentration of 0.30 mmol/L. The latter is 3 times the peak therapeutic plasma concentration

- associated with treatment to reverse acetaminophen poisoning. APOC has not identified a therapeutic condition that would lead to levels consistent with the CLSI recommended level.
- Bromide has been tested at two levels: the CLSI recommended level and a therapeutic plasma concentration level of 2.5 mmol/L. The latter is the peak plasma concentration associated with halothane anesthesia, in which bromide is released. APOC has not identified a therapeutic condition that would lead to levels consistent with the CLSI recommended level.
- Hydroxyurea has been shown to interfere with glucose results at 0.92 mmol/L. Hydroxyurea is a DNA synthesis inhibitor used in the treatment sickle cell anemia, HIV infection, and various types of cancer. The malignancies that it is used to treat include melanoma, metastatic ovarian cancer, and chronic myelogenous leukemia. It is also used in the treatment of polycythemia vera, thrombocythemia, and psoriasis. At typical doses ranging from 500 mg to 2 g/day, concentrations of hydroxyurea in a patient's blood may be sustained at approximately 100 to 500 µmol/L. Higher concentrations may be observed soon after dosing or at higher therapeutic doses.
- Nithiodote (sodium thiosulfate) has been shown to interfere with sodium, potassium and glucose results at 16.7 mmol/L. Nithiodote (sodium thiosulfate) is indicated for the treatment of acute cyanide poisoning. The journal article titled "Falsely increased chloride and missed anion gap elevation during treatment with sodium thiosulfate" indicated that sodium thiosulfate could be used in the treatment of calciphylaxis indicating that "the highest concentration likely to be seen in plasma [is] after infusion of a 12.5 g dose of sodium thiosulfate pentahydrate. Assuming that the 12.5 g dose of sodium thiosulfate pentahydrate is distributed in a typical blood volume of 5 L with a hematocrit of 40%, the peak sodium thiosulfate plasma concentration expected is 16.7 mmol/L."

OTHER FACTORS AFFECTING RESULTS

Factor	Analyte	Effect
Sodium heparin	Na	Sodium heparin may increase sodium results up to 1 mmol/L. 16
Hemodilution	Na	Hemodilution of the plasma by more than 20% associated with priming cardiopulmonary bypass pumps, plasma volume expansion or other fluid administration therapies using certain solutions may cause clinically significant error on sodium and chloride results. These errors are associated with solutions that do not match the ionic characteristics of plasma. To minimize these errors when hemodiluting by more than 20%, use physiologically balanced multi-electrolyte solutions containing low-mobility anions (e.g., gluconate).
Line draw	Hct	Low hematocrit results can be caused by contamination of flush solutions in arterial or venous lines. Back flush a line with a sufficient amount of blood to remove intravenous solutions, heparin, or medications that may contaminate the sample. Five to six times the volume of the catheter, connectors, and needle is recommended.
Cold temperature	К	Potassium values will increase in iced specimens.
Allowing blood	K	If heparinized whole blood is allowed to stand before testing, potassium values will first decrease slightly, then increase over time.
to stand (without exposure to air)	Glu	Glucose values will decrease in whole blood samples over time. Venous blood glucose is as much as 7 mg/dL less than capillary blood glucose as a result of tissue utilization. ¹⁷
Sample type	К	Serum Potassium results may be 0.1 to 0.7 mmol/L higher than Potassium results from anticoagulated samples due to the release of Potassium from platelets ¹ and red blood cells during the clotting process.

Factor	Analyte	Effect	
Sample mixing	Hct	Samples from 1 mL syringes should not be used to determine hematocrit if testing is delayed.	
Hemolysis	K	Potassium values obtained from skin puncture samples may vary due to hemolysis or an increase in tissue fluid from improper technique during the collection procedure.	
pH dependence	Glu	The dependence of the i-STAT glucose test with respect to pH is as follows: values below pH 7.4 at 37°C decrease results by approximately 0.9 mg/dL (0.05 mmol/L) per 0.1 pH unit. Values above pH 7.4 at 37 °C increase results by approximately 0.8 mg/dL (0.04 mmol/L) per 0.1 pH unit.	
P O ₂ dependence	Glu	The dependence of the i-STAT glucose test with respect to PO_2 is as follows: oxygen levels of less than 20 mmHg (2.66 kPa) at 37°C may decrease results.	
Erythrocyte sedimentation rate	Hct	 The measurement of certain blood samples with high erythrocyte sedimentation rates (ESR) may be affected by analyzer angle. While testing blood samples, beginning 90 seconds after the cartridge is inserted, the analyzer should remain level until a result is obtained. A level surface includes running the handheld in the downloader/ recharger. Hematocrit results can be affected by the settling of red blood cells in the collection device. The best way to avoid the effect of settling is to test the sample immediately. If there is a delay in testing of a minute or more, the sample must be remixed thoroughly. 	
White Blood Cell Count (WBC)	Hct	Grossly elevated white blood cell counts may increase results.	
Lipids	Hct	Abnormally high lipids may increase results. Interference from lipids will be about two thirds the size of the interference from protein.	
Total Protein	Hct	Hematocrit results are affected by the level of total protein as follows: Displayed Total Protein (TP) > 8.0 g/dL	

Factor	Analyte	Effect
Sodium	Hct	The sample electrolyte concentration is used to correct the measured conductivity prior to reporting hematocrit results. Factors that affect sodium will therefore also affect hematocrit.

KEY TO SYMBOLS

Symbol	Definition/Use
143	14 days room temperature storage at 18–30 °C.
	Use by or expiration date. The expiration date, expressed as YYYY-MM-DD, indicates the last day the product may be used.
LOT	Manufacturer's lot number or batch code. The lot number or batch code appears adjacent to this symbol.
Σ	Sufficient for <n> tests.</n>
EC REP	Authorized representative for Regulatory Affairs in the European Community.
*	Temperature limitations. The upper and lower limits for storage are adjacent to upper and lower arms.
REF	Catalog number, list number, or reference.
②	Do not reuse.
~	Manufacturer.
$\square i$	Consult instructions for use or see System Manual for instructions.
IVD	In vitro diagnostic medical device.
C€	Compliance to the European directive on <i>in vitro</i> diagnostic devices (98/79/EC)
Rx ONLY	For prescription use only.

Additional Information: to obtain additional product information and technical support, refer to the Abbott company website at www.pointofcare.abbott.

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