

Order information

Ref. No.	Kit size				
2440-058	R1 1 x	50 mL	+	R2	1 x 8.5 mL
				Std.	1 x 3 mL
2460-605	6 x	5 mL			
2465-605	6 x	5 mL			
2450-604	6 x	4 mL			

Method

β -Hydroxybutyrate (D-3-hydroxybutyrate) in the presence of NAD is converted to acetoacetate and NADH at pH 8.5 by β -Hydroxybutyrate dehydrogenase (D-3-hydroxybutyrate dehydrogenase). At this pH the reaction is favored to the right. The NADH produced is converted to color using INT and diaphorase.

Reagent Preparation and Stability

The reagents are ready-to-use and stable up to the end of the indicated month of expiry, if contamination is avoided and stored at 2 – 8 °C. The reagent 2 must be protected from light.

Use Reagent A as R1 and Reagent B as R2.

Specimen

Serum, heparinized, sodium fluoride or EDTA plasma. Avoid hemolysis!
Stable at least one week if kept at 2 - 8 °C

Components and concentration in the test

- R1: Reagent A - Enzyme
 β -Hydroxybutyrate
Dehydrogenase
Diaphorase
- R2: Reagent B – Catalyst
NAD
INT
Oxalate

Notes

1. The reagents contain Sodium Azide (0.095 %) as preservative.
Do not swallow! Avoid contact with skin and mucous membranes!

Normal Range

Adults 0.2 – 2.8 mg/dL

Conversion:

mmol/L = mg/dL x 0.096

*Customers should be aware that this protocol has been generated by a user of our assay on a Cobas C311 analyzer and has not been validated by Stanbio Laboratory or the instrument manufacturer.

Workplace		Reagent		Calibration		QC		Utility	
System		Maintenance		Application		Calculated Test		Special Wash	
Report Format		Module Set		Analyze		Calib.		Range	
Other		Assay/Time/Point		Wavelength (2nd/Pri.)		Sample Volume		Cassette Configuration	
69	BHU:SB	C	Ser/PI	2 Point End	10	5	50	0	0
			Urine	Cancel	505				
			CSF						
			Suprnt						
118	Na		Ser/PI	Norm.	4.0	0.0	0	Code 0777773	
			Urine	Dec.	2.0	0.0	0	Expiration Days 99	
119	K		Ser/PI	Inc.	4.0	0.0	0	Reagent Volume	
			Urine	Dilution				R1 150 0 Inactive	
120	Cl		Ser/PI	Water				R2 25 0 Inactive	Bottle Setting
			Urine	Diluent	0	1		R3 0 0 Inactive	
121	L		Ser/PI	Linearity Limit	0	0	0		
			Urine	Prozone Limit	0	0	0	0	0
122	H		Ser/PI	Abs. Limit	0			Inside	0
			Urine	Cell Detergent	Detergent 1			Stirring Level	2
123	I		Ser/PI	Stirring Setting					
			Urine	UP	Stirring	LOW	Stirring	Stirring	Stirring
141	AFP	E	Ser/PI						save
142	B12	E	Ser/PI						
143	CA125	E	Ser/PI						
144	CEA	E	Ser/PI						
145	CK-MB	E	Ser/PI						Delete
									Download

Stop

Shut Down

S. Stop

Alarm

Print

Start

Help

Select the test from the list box.



Bottle Setting

Cassette Type A

Bottle

a	R1	120	23.5
b	R2	120	5.5
c	Cancel	0	0.0

Cancel

OK

Workplace **Reagent** **Calibration** **QC** **Utility**

System Maintenance Application Calculated Test Special Wash Report Format Module Set

Test	S. Type
69 BHU-SB	C Ser/PI
	Urine
	CSF
	Suprnt
118 Na	Ser/PI
	Urine
119 K	Ser/PI
	Urine
120 Cl	Ser/PI
	Urine
121 L	Ser/PI
	Urine
122 H	Ser/PI
	Urine
123 I	Ser/PI
	Urine
141 AFP	E Ser/PI
142 B12	E Ser/PI
143 CA125	E Ser/PI
144 CEA	E Ser/PI
145 CK-MB	E Ser/PI

Analyze **Calib.** **Range** **Other**

Calibration Type: **Linear**

Point:

Span:

Weight:

Update Type: **None**

SD Limit:

Duplicate Limit: Abs.

Sensitivity Limit:

S1 Abs. Limit:

Auto Masking

Save

Auto Calibration

Timeout: Day

Cassette: **Cancel**

Changeover

Cassette: **Cancel**

OC Violation

Method: **Blank**

Rule: **1s**

Control1: **None**

Control2: **None**

Control3: **None**

Save

Delete **Download**

Stop

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? Help

Touch the screen, click the mouse, press <Enter>



Workplace **Reagent** **Calibration** **QC** **Utility**

System Maintenance Application Calculated Test Special Wash Report Format Module Set

Test	S. Type	Analyze	Callb.	Range	Other
69	BHU/SB	C	Ser/PI		
			Urine		
			CSF		
			Suprnt		
118	Na		Ser/PI		
			Urine		
119	K		Ser/PI		
			Urine		
120	Cl		Ser/PI		
			Urine		
121	L		Ser/PI		
			Urine		
122	H		Ser/PI		
			Urine		
123	I		Ser/PI		
			Urine		
141	AFP		E Ser/PI		
142	B12		E Ser/PI		
143	CA125		E Ser/PI		
144	CEA		E Ser/PI		
145	CK-MB		E Ser/PI		

Application Code: 314
 Unit: mmol/L
 Report Name: BHU SB
 Data Mode: Active
 Automatic Rerun
 Technical Limit: -99999 999999
 Repeat Limit: -99999 999999
 Control Interval Time: 0
 Automatic QC On Board Stability: 1

Qualitative

(1) 0 L 0
 (2) 0 H 0
 (3) 0 I 0
 (4) 0
 (5) 0
 (6) 0

Expected Values

Male

1	Day	0.02	0.27
100	Year	-99999	999999
		-99999	999999

Female

1	Day	0.02	0.27
100	Year	-99999	999999
		-99999	999999

Default

Sex: Male Female

Range: Range 1 Range 2 Range 3

Save

Delete **Download**

Stop

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Touch the screen, click the mouse, press <Enter>



Workplace		Reagent		Calibration		QC		Utility		
system	Maintenance	Application	Calculated Test	Special Wash	Report Format	Module Set				
Test	S. Type	Analyze	Calib.	Range	Other					
69	BHU SB	C	Ser/PI	Standards						
				(1)	(2)	(3)	(4)	(5)	(6)	
				Calibrator Code	901	807	0	0	0	0
				Concentration	0.000	1.0				
				Rack No. - Pos.	S0001-4	S0009-2				
				Sample Volume	4.0	4.0	4.0	4.0	4.0	4.0
				Diluted S. Volume	0.0	0.0	0.0	0.0	0.0	0.0
				Diluent Volume	0	0	0	0	0	0
118	Na		Ser/PI							
			Urine							
			CSF							
			Suprnt							
119	K		Ser/PI							
			Urine							
120	Cl		Ser/PI							
			Urine							
121	L		Ser/PI							
			Urine							
122	H		Ser/PI							
			Urine							
123	I		Ser/PI							
			Urine							
141	AFP	E	Ser/PI							
142	B12	E	Ser/PI							
143	CA125	E	Ser/PI							
144	CEA	E	Ser/PI							
145	CK-MB	E	Ser/PI							

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Touch the screen, click the mouse, press <Enter>

