# Stanbio Laboratory β-Hydroxybutyrate LiquiColor<sup>®</sup> Preliminary\*

Order information

Ref. No. 2440-058	Kit size R1 1 x	50 mL +			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

 $\beta$ -Hydroxybutyrate (D-3-hydroxybutyrate) in the presence of NAD is converted to acetoacetate and NADH at pH 8.5 by  $\beta$ -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  $^\circ\mathrm{C}$ 

### 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

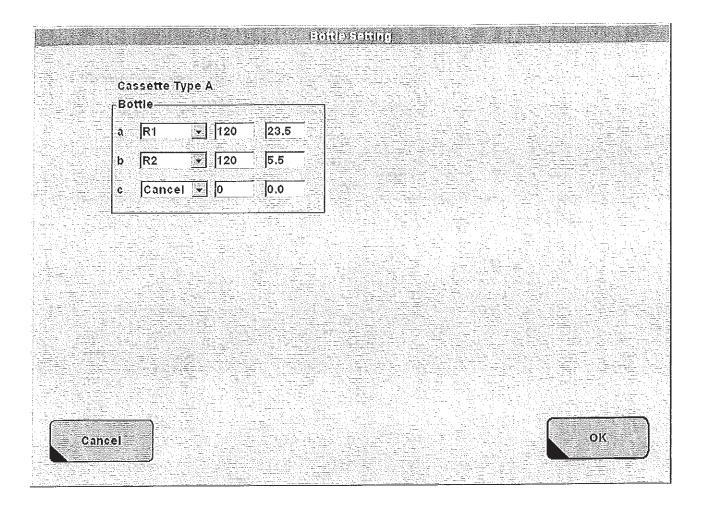
Adults 0.2 - 2.8 mg/dL

#### Conversion:

 $mmol/L = mg/dL \times 0.096$ 

\*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.

System	Maintenance	Application Calculated Test Special Wash Report Format Module Set
Test	S. Type	Analyze Callb. Range Other
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	Urine	
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	Urine	r Water R2 25 0 Inactive - Bottle Setting
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122 H	Ser/Pl	Linearity Limit. 0 % 0 % 0
	Urine	Prozone Limit 0 0 0 0 0 Inside 0 0
123	Ser/Pl	
	Urine	All
141_AFP	E Ser/Pl	Cell Detergent Detergent 1 💉 Stirring Level 2
142 B12	E Ser/Pl	Stirring Setting M1 M2 M3 Save
143 CA125	E Ser/Pl	UP Stirring 😨 LOW Stirring 😧 Stirring 😴
144 CEA	E Ser/Pl	Delete
145 CK-MB	E Ser/Pl 🛒	Delete



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	.	CSF	Point 2
	 	Suprnt	Span 2 S. Stop
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120		Ser/Pl	Alarm
120		Urine	Update Type None V 0 0 Cassette Cancel V
121		Ser/Pl	C QC Violation
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122	H C	Ser/Pl	
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123		Ser/PI	Sensitivity Limit
		Urine	S1 Abs. Limit 32000 32000 Control3 None Print
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143	CA125 E	Ser/Pl	
	CEA		
145	CK-MB E	Ser/Pl	Delete Download

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