Stanbio Laboratory
β-Hydroxybutyrate LiquiColor®

Reagent Order information

Ref. No.	Kit size					
2440-058	R1	1 x	50 mL	+ R2	1 x	8.5 mL
		1 x	3 mL	Std.		

Controls/Linearity Order information

TDM/β-Hydroxybutyrate Tri-level Controls, Ref. No. 2460-605
TDM/β-Hydroxybutyrate Bi-level Controls, Ref. No. 2465-605
TDM/β-Hydroxybutyrate Linearity Standards, Ref. No. 2450-604

Method

β-Hydroxybutyrate

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. On-board stability have not been determined.

Specimen

Serum or plasma collected with EDTA,heparin or sodium fluoride. Avoid hemolysis!
Levels are stable at least 7 days at 2 - 8 °C.

Components in the test

R1: β- hydroxybuyrate dehydrogenase
Diaphorase

R2: NAD
INT
Oxalate

Std: 1.0 mmol/L

Notes

1. See interfering substances in package insert.
2. The reagents contain sodium azide (0.095 %) as preservative. Do not swallow! Avoid contact with skin and miucous membranes!

Normal Range

0.02 – 0.27 mmol/L

Rev. 03/12

ORTHO 5,1/5600 VITROS

Instrument setting

Full Assay Name: B-Hydroxybutyrate
Short Assay Name: BHOB
Assay Model Type: End Point
Cal Model Type: Linear

Date:
Fluid Type: Serum
Template: EPT1 R1-s-R2
Calibrator bottle: 2
Reagent Reps per Cal: 3

Standard Dilution Factor: 1.0
Diluent: Water
Reflex Dilution Information
Reflex Dilution: On Dilution Factor: 2.0 Reduction Factor: 1.0

Samples Indices Check: Enabled
Threshold Limits
Hemolysis: 1000 Icterus: 25 Turbidity: 800

Reporting Type: Quantitative
Units: mmol/L
Significant Digits: 3
Precision Digits: 2
Slope: 1.00
Intercept: 0.00
CuveTip Expiration Time: 35
Temperature Sensitive: No

Ranges
Reference: 0.02 – 0.27
Supplementary: 0.00 – 900000000
Reportable: 0.00 – 4.50

Initial Abs. Limits: -0.200 – 2.700
BlanK Abs. Limit: -0.200 - 2.700

Monotonicity: Increase
Max Response High: 3.000
Max Response Low: -3.000
Min Response High: 3.000
Min Response Low: -3.000

	Reportable Conc.	Triple Read Limit
Reportable Min:	0.00	400
Critial Conc.:	2.25	8.00
Reportable Max:	4.50	8.00

Kit Lot	Bottle Number	Dilution Factor	Cal. Value	Response Range
	1	1.0	0.00	0.20000
	2	1.0	1.00	0.20000

Protocol Steps

1. Reagent	Volume (uL) = 143.3, Pack/Bottle=UD01/A
2. Incubation	Seconds = 190.00
3. Sample	Volume (uL) = 4.0
4. Incubation	Seconds= 23.75
5. Read	Wavelength = 510nm
6. Incubation	Seconds = 4.75
7. Reagent	Volume (uL) = 24.0, Pack/Bottle=UD01/B
8. Incubation	Seconds = 313.50
9. Read	Wavelength = 510nm

Note: UDA Cartridges:
Volume A = 14.7 mL
Volume B = 2.8 mL
This will yield approximately 80 tests.