

Stanbio Laboratory

β -Hydroxybutyrate LiquiColor[®]

ABX Pentra 400*

Order information

Ref. No. 2440-058 (R1:50mL, R2:8.5mL, Std.:3mL), Ref. No. 2465-605 (6 x 5mL),
Ref. No. 2450-604 (6 x 4mL)

Notes

- Please refer to the β -Hydroxybutyrate LiquiColor[®] package insert for detailed information about the following: Clinical Relevance, Method and Principle, Composition and Stability of the Reagents, Specimens, Calibrators and Controls, Performance Characteristics regarding Measuring Range / Specificity/Interferences / Sensitivity/Limit of Detection / Precision (Reproducibility, Repeatability) / Method Comparison / Reference Ranges / Literature
- The stability of the reagent on board the analyser is at least one month provided that contamination and evaporation are avoided.
- Manufactured by: Stanbio Laboratory, An EKF Diagnostics Company
1261 North Main Street, Boerne, Texas 78006 USA

General parameters

Test Name B-Hydroxybutyrate	Code BHOB	Channel #	<input checked="" type="checkbox"/> Enable	Release App. Version	Modified on #
Characteristics Sample Type: Serum/Plasma Number of Reagents: Reagent 2 Reagent Reagent short name: BHB Reagent number: # On Board Stability: 30 <input type="checkbox"/> Cassette		Pre-Dilution Diluent Name: <input type="text"/> Factor: <input type="text"/> Incubation time (cycles): <input type="text"/>		Result Unit: mmol/L Decimal position: 2 <input type="checkbox"/> Manual Patient Validation	
Automatic Rerun <input checked="" type="checkbox"/> Post Dilution Dilution Factor: 2.0 <input type="checkbox"/> Post Concentration Concentration Factor: <input type="text"/>		Linearity Low limit: 0.10 High limit: 8.00		Correlation Slope: 1.0000 Intercept: 0.0000	
Delta Check Delta Check Validity: <input type="text"/> Absolute Variation: <input type="text"/> Relative Variation: <input type="text"/>					
Reference Range <input checked="" type="checkbox"/> Low Check Man/Default: 0.10 Woman: <input type="text"/> Child: <input type="text"/> <input checked="" type="checkbox"/> High Check 0.27 <input type="text"/> <input type="text"/>					

Calibration parameters

Test Name B-Hydroxybutyrate	Code BHOB	Channel #	Checks		
<input type="checkbox"/> Pre-Dilution Type: <input type="text"/> Calibrator Diluent: <input type="text"/> Factor 1: <input type="text"/> Factor 2: <input type="text"/> Factor 3: <input type="text"/> Factor 4: <input type="text"/> Factor 5: <input type="text"/> Factor 6: <input type="text"/> Factor 7: <input type="text"/> Factor 8: <input type="text"/>			<input type="checkbox"/> Reagent Limit Absorbance Check Reagent Range Low: <input type="text"/> Reagent Range High: <input type="text"/> <input type="checkbox"/> Reagent Blank Limit Absorbance Check Blank Range - Low Limit: <input type="text"/> Blank Range - High Limit: <input type="text"/>		
Calibration Calibration Mode: Slope Avg Level: 1 Calibration Factor: * Runs: 2 <input checked="" type="checkbox"/> Deviation %: 5.0 Calibrator Used: <input type="text"/>			Validity <input checked="" type="radio"/> On Request <input type="radio"/> Time Validity Interval: # <input type="text"/> Time Unit: Days <input type="text"/>		
<input type="checkbox"/> Control Required Control Used: <input type="text"/>					

Analysis parameters

Test Name B-Hydroxybutyrate	Code BHOB	Channel #																														
<input type="checkbox"/> Cleaner Cleaner Solution <input type="text"/> <input type="checkbox"/> H2O <input type="radio"/> Before <input type="radio"/> After	Wavelength (nm) Primary Wavelength <input type="text" value="505"/> Secondary Wavelength <input type="text" value="700"/>	Blank <input checked="" type="checkbox"/> Reagent Blank <input type="text" value="H2O"/>																														
Analysis Sequence <table border="1"> <thead> <tr> <th>Cycle</th> <th>Reagent Needle</th> <th>Volume (µl)</th> <th>Sample Needle</th> <th>Volume (µl)</th> <th>H2O Vol (µl)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>R1</td> <td>200.0</td> <td>SAMPLE</td> <td>3.0</td> <td>10.0</td> </tr> <tr> <td>6</td> <td></td> <td></td> <td>R2</td> <td>40.0</td> <td>10.0</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Cycle	Reagent Needle	Volume (µl)	Sample Needle	Volume (µl)	H2O Vol (µl)	1	R1	200.0	SAMPLE	3.0	10.0	6			R2	40.0	10.0													Mixing Speed <input type="text" value="70"/>
Cycle	Reagent Needle	Volume (µl)	Sample Needle	Volume (µl)	H2O Vol (µl)																											
1	R1	200.0	SAMPLE	3.0	10.0																											
6			R2	40.0	10.0																											

Calculation parameters

Test Name B-Hydroxybutyrate	Code BHOB	Channel #
Correlation Factor Slope <input type="text" value="1.0000"/> Intercept <input type="text" value="0.0000"/>	Reaction Direction <input checked="" type="checkbox"/> Reaction Direction Check Reaction Direction <input type="text" value="Increase"/>	Sample Limit Check Sample limit (Δ O.D.) <input type="text"/> Sample limit cycle <input type="text"/>
Definition Calculation Type <input type="text" value="Endpoint"/>		
<input type="checkbox"/> Reaction limit Check Reaction limit Absorbance <input type="text"/> Cycle <input type="text" value="1"/>	First Reading Cycle <input type="text" value="5"/>	Last Reading Cycle <input type="text" value="55"/>

Unit parameters

Test Name	B-Hydroxybutyrate
Code	BHOB
Channel	#
Unit	Conversion Factor
mmol/L	1.0000
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>
Modified On	<input type="text"/>

Input by user

* Calculated by the analyser

*The following parameters have not been validated on the Pentra 400 analyzer. The parameters should be used as guidelines with your Quality Control Program for proper validation. Contact Stanbio Technical Support at (830.249.0772) or e-mail to: labs@stanbio.com for assistance. Pentra 400 is a registered trademark of ABX Corporation.