

STANBIO REAGENT APPLICATION (*Preliminary)
Procedure No. 2440
B-Hydroxybutyrate LiquiColor®

HITACHI 704*
***Boehringer Mannheim Diagnostics**
Indianapolis, IN

PLEASE REFER TO THE PACKAGE INSERT FOR ADDITIONAL INFORMATION REGARDING THIS REAGENT.

Package Sizes Available

Catalog No. 2440-058

Reagent Preparation/Stability

Store reagents at 2-8 °C. Reagent A = R1, Reagent B = R2.

Linearity

When performed as directed, this method is linear to 4.5 mmol/L.

Program Parameters

| | | | |
|------------------------|----------------|--------------------|-----|
| TEST | BHY | | |
| ASSAY CODE | 2 POINT: 16-31 | | |
| SAMPLE VOLUME (μL) | 8 | | |
| R1 (RGT A) VOLUME (μL) | 300-20-NO | | |
| R2 (RGT B) VOLUME (μL) | 50-20-NO | | |
| WAVELENGTH (NM) | NONE-505 | | |
| CALIB. METHOD | LINEAR - 0 - 0 | | |
| STD 1 CONC. - POS. | 0.0 - 1 | STD 4 CONC. - POS. | 0-0 |
| STD 2 CONC. - POS. | 1.0 - 2 | STD 5 CONC. - POS. | 0-0 |
| STD 3 CONC. - POS. | 0-0 | STD 6 CONC. - POS. | 0-0 |
| UNIT | mMOL | | |
| SD LIMIT | 0.1 | | |
| DUPLICATIVE LIMIT | 100 | | |
| SENSITIVITY LIMIT | 3800 | | |
| ABS. LIMIT (INC/DEC) | 0 - INCREASE | | |
| PROZONE LIMIT | 0 - LOWER | | |
| EXPECTED VALUE (mMOL) | 0 - 0.3 | | |
| INSTRUMENT FACTOR | 1.0 | | |

Expected Values

The quantitation of β-hydroxybutyrate is important in cases of ketoacidosis. In studies of healthy individuals who had fasted for 12 hours before blood collection, the range of β-hydroxybutyrate was found to be from 0.02 mM (0.2 mg/dL) to 0.27 mM (2.81 mg/dL)^(4,5). Other ranges have also been reported⁽¹³⁾.

***Customers should be aware that this protocol has been generated by a user of our assay and a Hitachi 704 analyzer and has not been validated by Stanbio Laboratory or the instrument manufacturer.**

FOR TECHNICAL ASSISTANCE CALL TOLL-FREE 1-800-531-5535 OR (830) 249-0772

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