

ACETOACETATE  
+ BETA  
HYDROXYBUTYRATE

## Orderable - ACETOBLD

### Specimen:

Adult	Pediatric
6 mL Green (Sodium or Lithium Heparin) top Vacutainer tube	0-2 years: 2 x 0.5 mL Green top Microtainers 2-10 years: 3 mL Green top tube



**Laboratory:**  
Biochemical Genetics Lab



**Requisition:**  
[BIOCHEMICAL GENETICS  
LAB REQUISITION](#)

### Collection Information:

Volume of blood required is 0.5 mL.

Collect blood, place on ice and send immediately to the Core Lab. Specimens not received on ice will not be processed.

**Blood must be added to PCA immediately after collection in order to minimize degradation of metabolites.**

### Reference Ranges:

Acetoacetate	Beta-hydroxybutyrate
0.02-0.08 mmol/L	0.06-0.17 mmol/L

### Special Processing:

1. Pipette 0.5 mL of freshly drawn whole blood from the Green top tube (on ice) into cold acetoacetate tube containing 1.0 mL of 8% perchloric acid (PCA).
2. Mix and spin in cold centrifuge.
3. Aliquot supernatant into clean transport tube.
4. Re-spin in cold centrifuge and remove supernatant into another clean transport tube.
5. Freeze immediately at -20°C.
6. Send frozen sample to Biochemical Genetics Laboratory

### Comments:

To be ordered for investigating biochemical genetics and metabolic disorders only.



**Test Schedule:**  
As required

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For all other requests refer to "Beta Hydroxybutyrate, Plasma/Serum" (test performed in the Core Lab).