

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).