



UW Medicine
Department of Laboratory Medicine

Alpha & Beta Hemoglobin DNA Sequencing

Alpha Hemoglobin DNA Sequencing

[Laboratory Medicine Home Page](#)

For Clinical Information:

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For additional ordering information and instructions, contact the Community Services office at
(206) 598-6066 or
(800) 713.5198

This test, which sequences the coding regions and introns of both the a-globin 1 (HBA1) and a-globin 2 (HBA2) genes in both directions, identifies hemoglobin variants that are not easily diagnosed by electrophoresis/HPLC and can determine the cause of non-deletional a-thalassemia.

Specimen collection: 5 mL whole blood (EDTA lavender top), entire tube.
Cultured amniocytes (two T25 or one T75 flask; min one T25) hold at room temp.
Chorionic Villi - min. 5 mg tissue in sterile tube/culture media hold at room temp.

Specimen transport: Entire sample. Amniocytes and CV, transport at room temp.

Unacceptable: Heparinized (green top tubes).
Performed: Weekly, results in 2-3 weeks. Prenatal samples are expedited.

Test Order Code: HASEQ
CPT Codes: 83891, 83898 x2, 83894 x2, 83904 x8, 83912

Beta Hemoglobin DNA Sequencing

This test, which sequences the coding regions and introns of the b-globin gene (HBB) in both directions, identifies hemoglobin variants that are not easily diagnosed by electrophoresis/HPLC and can determine the cause of b-thalassemia.

Specimen collection: 5 mL whole blood (EDTA lavender top), entire tube.
Cultured amniocytes (two T25 or one T75 flask; min one T25) hold at room temp.
Chorionic Villi - min. 5 mg tissue in sterile tube/culture media hold at room temp.

Specimen transport: Entire sample. Amniocytes and CV, transport at room temp.

Unacceptable: Heparinized (green top tubes).
Performed: Weekly, results in 2-3 weeks. Prenatal samples are expedited.

Test Order Code: HBSEQ
CPT Codes: 83891, 83898, 83894, 83904 x4, 83912