

Client: Example Client ABC123
123 Test Drive
Salt Lake City, UT 84108
UNITED STATES

Physician: Doctor, Example

Patient: Patient, Example

DOB: 4/4/1987
Gender: Female
Patient Identifiers: 01234567890ABCD, 012345
Visit Number (FIN): 01234567890ABCD
Collection Date: 00/00/0000 00:00

Hemoglobin (Hb) A[2] and F by Column

ARUP test code 0050613

Hemoglobin A2 **6.2 % H** (Ref Interval: 2.0-3.5)

Hemoglobin F **5.6 % H** (Ref Interval: 0.0-2.1)

REFERENCE INTERVAL: Hemoglobin F

Access complete set of age- and/or gender-specific reference intervals for this test in the ARUP Laboratory Test Directory (aruplab.com).

Hemoglobin A2 and F Interpretation

See Note

Abnormal hemoglobin present. Suggest hemoglobin evaluation for identification, (ARUP test #0050610).

Minor components of Hbs and other hemoglobin variants eluting after HbA2 may co-elute with HbA2. This may result in a falsely elevated area percent value for HbA2.

Slightly increased levels of Hb F can be seen in some acquired conditions such as pregnancy, myelodysplastic syndrome, aplastic anemia, paroxysmal nocturnal hemoglobinuria, thyrotoxicosis and certain drugs, as well as inherited syndromes constituting HPPH. Please correlate clinically.

H=High, L=Low, *=Abnormal, C=Critical

INTERPRETIVE INFORMATION: Hemoglobin A2 and F by Column

In laboratory confirmation of a B-thalassemia trait diagnosis, Hgb A2 levels should be considered in conjunction with family history plus laboratory data including serum iron and iron binding capacity, red cell morphology, hemoglobin, hematocrit and mean corpuscular volume (MCV).

Please note that patients with the combination of iron deficiency and B-thalassemia may have normal A2 level. An elevated A2 level cannot be used to screen for B-thalassemia in these cases.

Patient State	HbA2 Level	HbF Level
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Heterozygous B-thalassemia	4-9%	1-5 %
Homozygous B-thalassemia	Normal or increased	80-100 %
Heterozygous HPFH	Less than 1.5 %	10-20 %
Homozygous HPFH	Absent	100 %

VERIFIED/REPORTED DATES

Procedure	Accession	Collected	Received	Verified/Reported
Hemoglobin A2	18-331-147894	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hemoglobin F	18-331-147894	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00
Hemoglobin A2 and F Interpretation	18-331-147894	00/00/0000 00:00	00/00/0000 00:00	00/00/0000 00:00

END OF CHART

H=High, L=Low, *=Abnormal, C=Critical