Hb C + Alpha-thal.

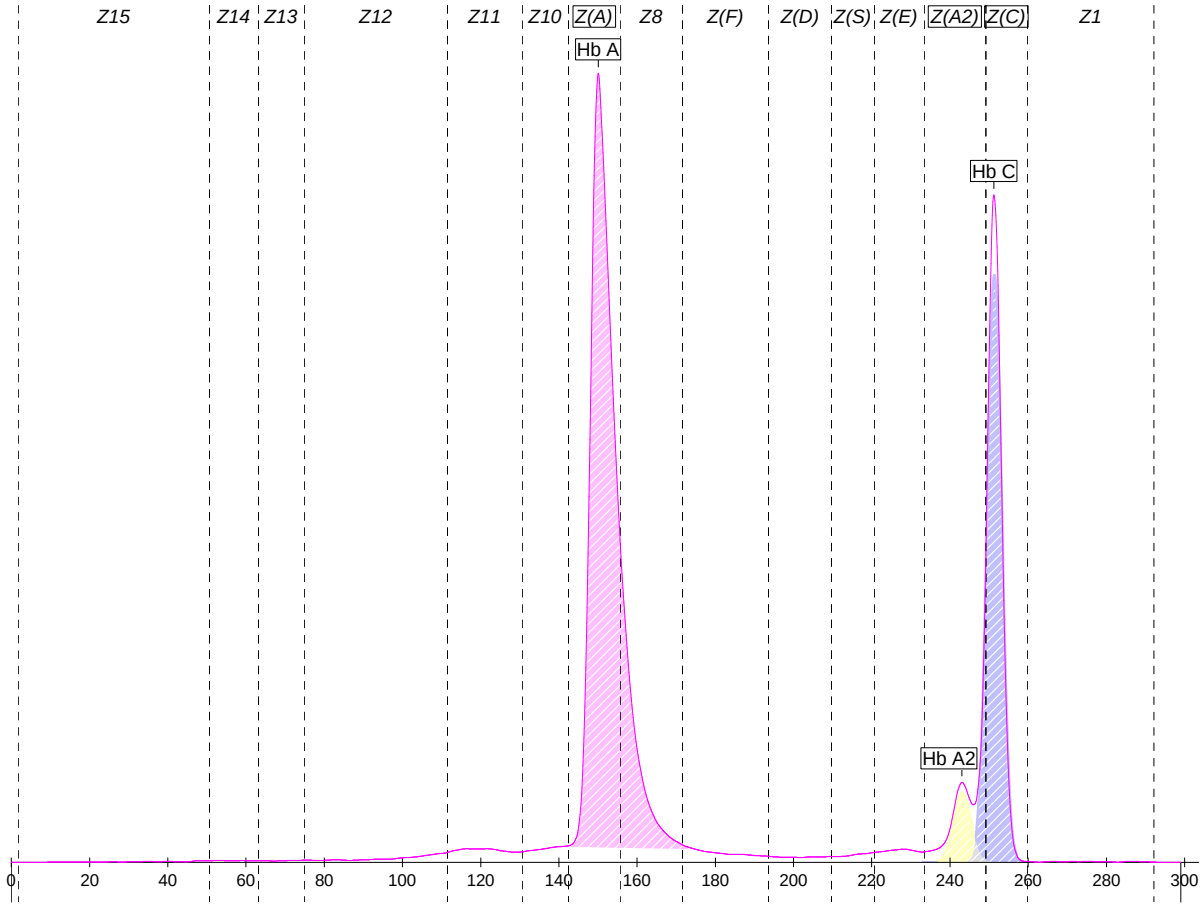
Globin chain(s) involved: **Beta, Alpha**

Status: **Heterozygous Hb C + heterozygous Alpha plus thalassemia**

Migration in zone(s): **Z(C)**

Migration in position(s): **252**

Peak position may vary +/- 1



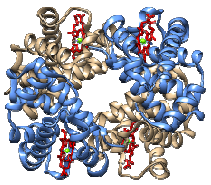
Capillary Electrophoresis

Fractions	Value %
Hb A	**65,1**
Hb A2	**4,2**
Hb C	**30,7**

Comments on this profile: Hb A2 measurement has no clinical significance due to expression of both Beta genes.

Confirmed by amino acid or DNA sequencing

Profile generated with Phoresis Software release = or > 6.50



Hb C + α-thalassemia

Mutation data

Status:	Heterozygous Hb C + heterozygous Alpha plus thalassemia
Hb C	
Mutation	Beta 6 (A3) Glu>Lys.
Nomenclature	HBB:c.19G>A
In combination with: **α-thalassemia**	
Mutation	-α3.7 deletion Heterozygous (-α/αα)
Nomenclature	

Comments:

Hematology

Hematological parameters	**Results**
RBC	
Hemoglobin	Normal or low
Hematocrit	
MCV	Normal or Low

Hematological parameters	**Results**
MCH	Low
Blood smear	Target cells
Serum iron and ferritin	

Comments on hematology:	Microcytic, mild hypochromia

Other information

Clinical context:	
Clinical presentation	Normal or mild anemic symptoms
Genetic risk	Intermediate to severe risk in combination with Hb S. Mild to intermediate in combination with Beta-thalassemia, Hb Lepore and other less common hemoglobin variants with a thalassemic phenotype. Risk for Hb H disease with (Asian) Alpha zero thalassemic partner.
Advice	Partner and family analysis
About this variant:	
Stability	Normal
Oxygen affinity	Normal
Found in	Very common in Black, mainly of West African origin

Comments:

References: -