Hb S + Hb C

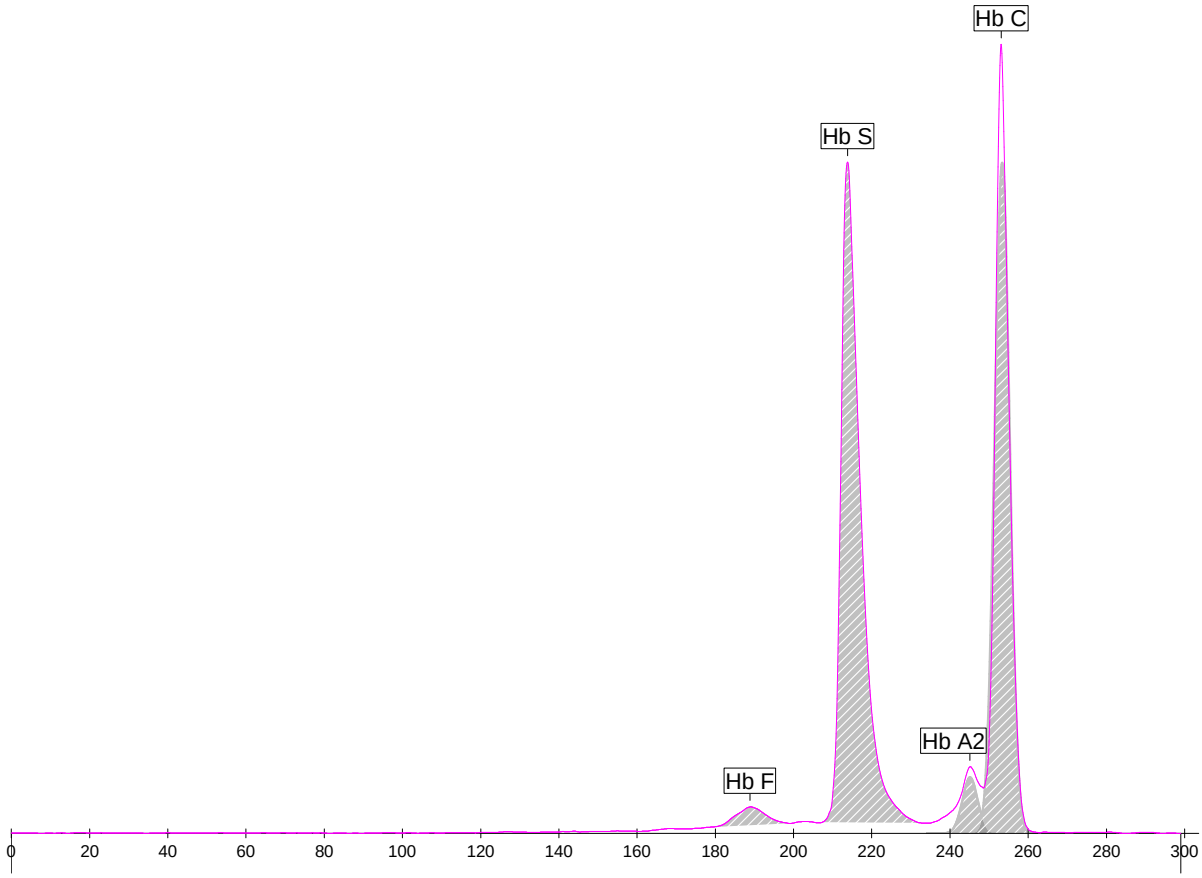
Globin chain(s) involved: **Beta**

Status: **Compound heterozygous**

Migration in zone(s): **-**

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

Peak position may vary +/- 1



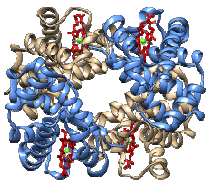
Capillary Electrophoresis

Fractions	Value %
Hb F	**2,0**
Hb S	**51,0**
Hb A2	**3,7**
Hb C	**43,3**

Comments on this profile: In case of absence of Hb A and/or Hb A2, analyse the sample mixed with Normal Hb A2 Control to display the zones (see Package Insert).
Values of each fractions must be taken on the native sample.
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 S + Hb C

Mutation data

Status:	Compound heterozygous
Hb S	
Mutation	Beta 6 (A3) Glu>Val.
Nomenclature	HBB:c.20A>T
In combination with: **Hb C**	
Mutation	Beta 6 (A3) Glu>Lys.
Nomenclature	HBB:c.19G>A

Comments:

Hematology

Hematological parameters	**Results**
RBC	Low
Hemoglobin	Low
Hematocrit	
MCV	

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

Comments on hematology:	Hemolytic anemia parameters with sickle cell test positive

Other information

Clinical context:	
Clinical presentation	Variable from mild to severe hemolytic anemia symptoms, acute pain crises, acute chest syndromes, spleen infarctions, cerebral events, retinopathy
Genetic risk	Severe risk in combination with Hb S, Hb C, Hb E, Hb D, Beta-thalassemia, Hb Lepore and other less common hemoglobin variants
Advice	Partner and family analysis
About this variant:	
Stability	Normal
Oxygen affinity	Normal
Found in	Black, mainly of West African origin

Comments:

References: -