Bio-Rad CDM System
Bio-Rad Variant VII Inst. #1. SN 15271

PATIENT REPORT
V2_BThal

23A7280175

Patient Data

Sample ID: **1H1074782**
Patient ID:
Name:
Physician:
Sex:
DOB:
Comments:

Analysis Data

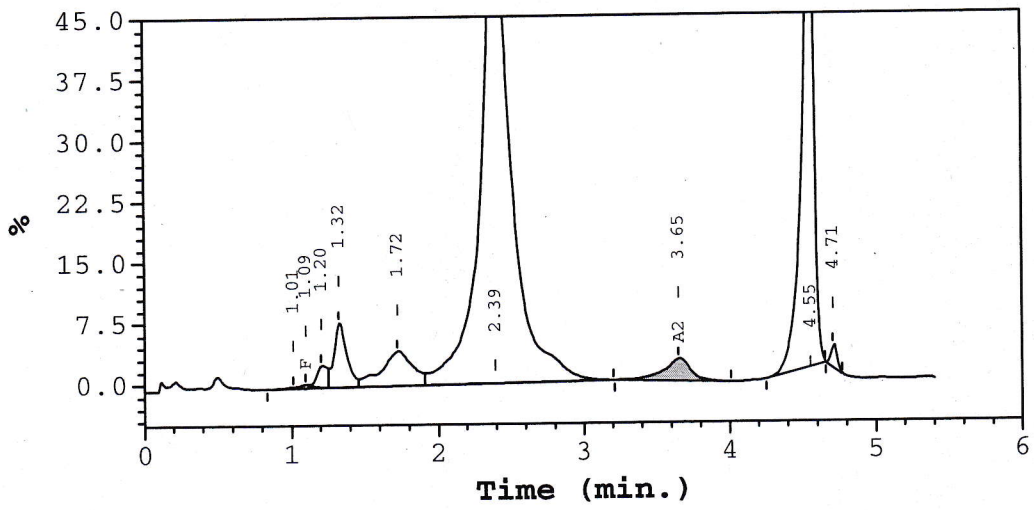
Analysis Performed: 01/06/2023 09:52:04
Injection Number: 133U
Run Number: 6
Rack ID: 0001
Tube Number: 8
Report Generated: 01/06/2023 10:06:22
Operator ID:

Peak Name	Calibrated Area %	Area %	Retention Time (min)	Peak Area
Unknown	---	0.1	1.01	2030
F	0.2	---	1.09	6000
Unknown	---	1.1	1.20	28928
P2	---	3.4	1.32	91387
P3	---	4.6	1.72	123335
Ao	---	60.6	2.39	1638054
A2	2.7	---	3.65	69560
S-window	---	27.0	4.55	730010
Unknown	---	0.6	4.71	15274

Total Area: 2,704,578

F Concentration = 0.2 %
A2 Concentration = 2.7 %

Analysis comments:



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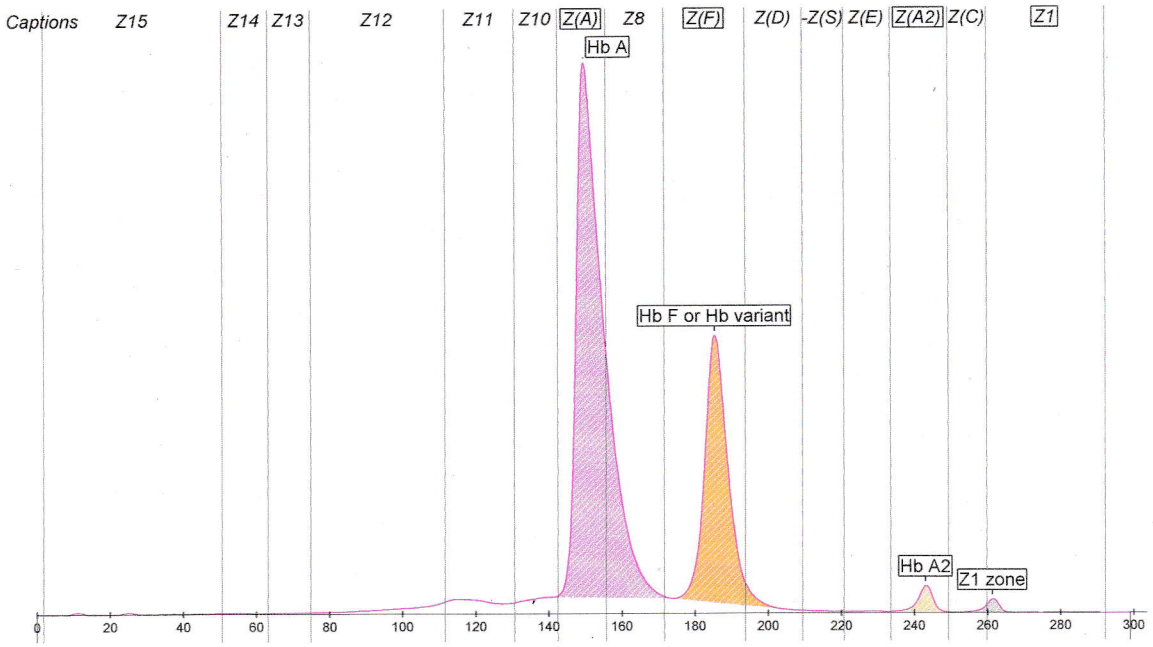
Sample # : **42** Date : **6/1/2023**

ID : **1H1074782**

Depart. :

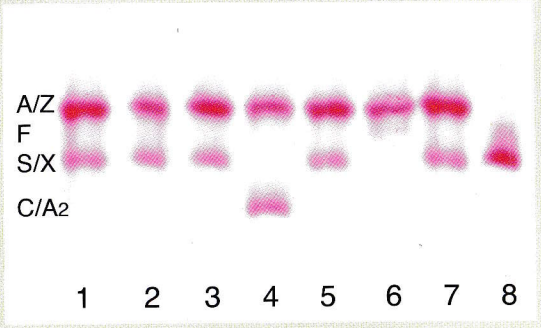
Birth. :



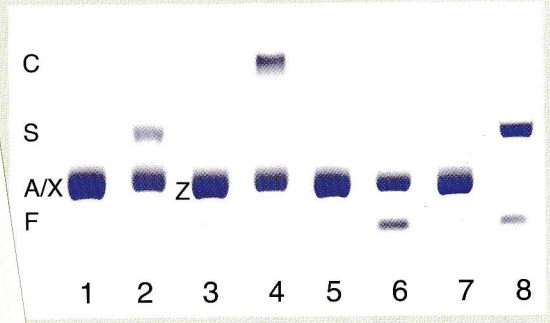
Haemoglobin Electrophoresis

Name	%	Normal Values %
Hb A	**68.5**	
Hb F or Hb variant	**29.0**	
Hb A2	**1.8**	
Z1 zone	**0.7**	

Signature



CAM
1 = A/ZX
2 = AS
3 = A/ZX
4 = AC
5 = A/ZX
6 = AF
7 = A/ZX
8 = FS



Acid agarose
1 = ZA/X
2 = AS
3 = ZA/X
4 = AC
5 = ZA/X
6 = FA
7 = ZA/X
8 = FS

Notes

X = Haemoglobin Stanleyville II

Z = Haemoglobin Sidcup

The small peak (Y) with a retention time of 4.62 is an A_2 variant with a Stanleyville II α chain

The broadening of the A band on acid agarose is likely to reflect the presence of haemoglobin Sidcup, which is not detected by other techniques

The hybrid haemoglobin with a Stanleyville II α chain and a Sidcup β chain is likely to migrate with, or near, Stanleyville II

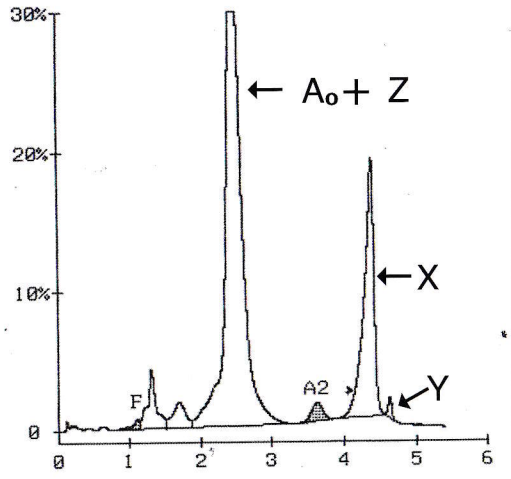
Stanleyville II α chain forms a hybrid haemoglobin with a sickle β chain, which is less prone to sickling than haemoglobin S

Haemoglobin Stanleyville II has no other known clinical significance

Haemoglobin Sidcup is of no known clinical significance

Bio-Rad Variant HPLC

ANALYTE ID	%	TIME	AREA
F	0.6	1.10	11100
P2	4.4	1.30	82980
P3	2.9	1.69	54398
Ao	67.9	2.46	1288624
A2	2.0	3.62	32692
S-WINDOW	21.6	4.38	410393
Unknown 1	0.6	4.62	11535
	TOTAL AREA		1891722
F	0.6%	A2	2.0%



Haemoglobin Sidcup in a heterozygote for both haemoglobin Stanleyville II – α78 (Asn → Lys) and haemoglobin Sidcup – β57 (Asn → His).

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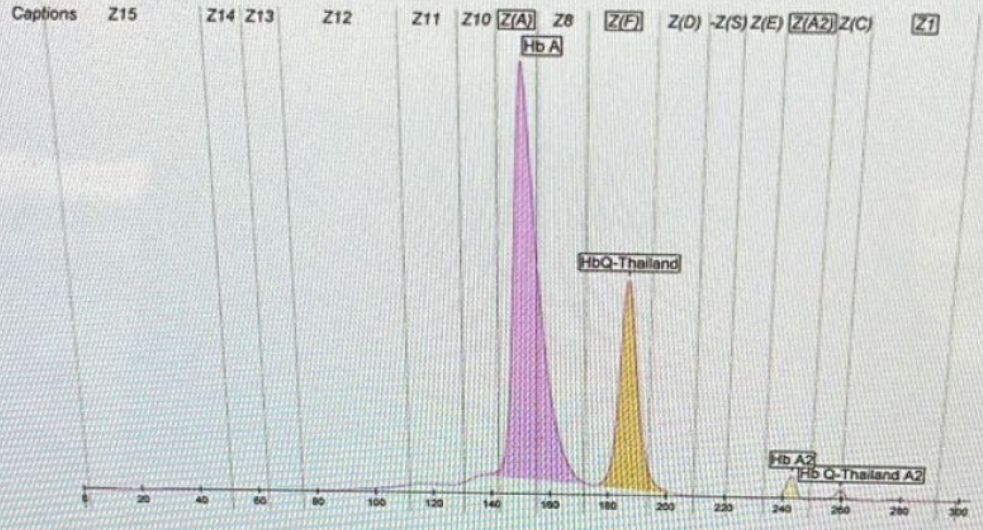
Test Code | Test Name

DA | Gluscose-6-Dehydrogenase

ID : **22H0063555**

ample # : **16** Date : **7/15/2022** Birth. :

Depart. :



Haemoglobin Electrophoresis

Name	%	Normal Values %
Hb A	69.3	
HbQ-Thailand	28.2	
Hb A2	1.8	
Hb Q-Thailand A2	0.7	

PWH