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MC-2202

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Pathology lab that cares

Passport No :

LABORATORY TEST REPORT

Patient Information	Sample Information	Client/Location Information
Name : Lyubochka Svetka	Lab Id : 02232160XXXX	Client Name : Sterling Accuris Buddy
Sex/Age : Male / 41 Y 01-Feb-1982	Registration on : 20-Feb-2023 09:10	Location :
Ref. Id :	Collected at : non SAWPL	Approved on : 20-Feb-2023 14:16 Status : Final
Ref. By :	Collected on : 20-Feb-2023 08:53	Printed On : 28-Feb-2023 10:26
	Sample Type : EDTA Blood	Process At : 1. NRL SAWPL Gujarat Ahmedabad Paldi

HB Electrophoresis By HPLC

Instrument Name: BIORAD VARIANT - II Haemoglobin Testing System

Test	Result	Unit	Biological Ref. Interval
Hb A	L 84.4	%	96.8 - 97.8
Hb A2	2.8	%	2.2 - 3.2
P2 Peak	5.5	%	
P3 Peak	5.2	%	
Foetal Hb	0.3	%	0.0 - 1.0
Interpretation	Negative for typical beta thalassemia trait.		

Interpretation:

- All results have to be correlated with age and history of blood transfusion if there is history of blood transfusion in last 3 months, repeat testing after 3 month from last date of transfusion is recommended.
- In case of haemoglobinopathy, parents or family studies and counselling is advised.
- This test detects beta thalassaemia and haemoglobinopathies, DNA analysis is recommended to rule out alpha thalassaemia and silent carriers.
- Linearity range of HbF is 1-40%, However, values in excess of the reportable range have been provided for ease of interpretation.
- Mild to moderate increase in fetal haemoglobin can be seen in some acquired condition like pregnancy, megaloblastic anaemia, Throtoxicosis, Hypoxia, Chronic kidney disease, Recovering marrow, MDS, Aplastic anaemia, PNH, Medications (Hydrocurea, Erythropoietin) ect.
- P3 window-Above 10% is often indicative of either denatured forms of hemoglobins or may suggest a possibility of abnormal haemoglobin variant. Hence, repeat analysis with fresh sample or DNA studies is advised.
- P2 Window-Above 10% is indicative of either glycated haemoglobin requiring correlation with diabetic status or may suggest a possibility of abnormal haemoglobin variant further DNA studies for confirmation.

Dr. Hardik Modi
Hematopathologist (G-18097)

Dr. Sanjeev Shah
MD Path

Dr. Yash Shah
MD Path

This is an Electronically Authenticated Report.

Referred Test

Page 17 of 19

Patient Data

Sample ID: 022321600126
Patient ID:
Name:
Physician:
Sex:
DOB:
Comments:

Analysis Data

Analysis Performed: 02/20/2023 13:56:59
Injection Number: 2575
Run Number: 95
Rack ID: 0001
Tube Number: 2
Report Generated: 02/20/2023 14:04:40
Operator ID:

Peak Name	Calibrated Area %	Area %	Retention Time (min)	Peak Area
Unknown	---	0.1	1.00	2400
F	0.3	---	1.08	8321
Unknown	---	1.6	1.18	44109
P2	---	5.5	1.30	148807
P3	---	5.2	1.72	139183
Ao	---	84.4	2.34	2277592
A2	2.8	---	3.64	76999

Total Area: 2,697,411

F Concentration = 0.3 %

A2 Concentration = 2.8 %

Analysis comments:

