PROCESSED AT :
Thyrocare

MC-2407

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

Thyrocare
Tests you can trust

Corporate office : **Thyrocare Technologies Limited,** D-37/3, TTC MIDC, Turbhe, Navi Mumbai - 400 703
022 - 3090 0000 / 6712 3400 9870666333 wellness@thyrocare.com www.thyrocare.com

REPORT

NAME : XXXXXXXXXXXXXXXXXXXXX
REF. BY : XXXXXXXXXXXXXXXXXXXXX
TEST ASKED : BETA-THALASSEMIA SCREENING

SAMPLE COLLECTED AT :
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

TEST NAME	TECHNOLOGY	VALUE	UNITS	REFERENCE RANGE
HEMOGLOBIN A2	H.P.L.C	2.5	%	ADULT : 2.1 - 3.5
HEMOGLOBIN F	H.P.L.C	0.2	%	ADULT : < 2
HEMOGLOBIN C	H.P.L.C	Not Detected	-	--
HEMOGLOBIN D	H.P.L.C	Not Detected	-	--
HEMOGLOBIN S	H.P.L.C	Not Detected	-	--

Alert!!! Normal hemoglobin variant analysis.

CLINICAL INFORMATION : THALASSEMIA SYNDROME

The Thalassaemia syndromes are a heterogeneous group of inherited conditions characterized by defects in the synthesis of one or more of the globin chains that form the hemoglobin tetramer. The clinical syndromes associated with thalassaemia arise from the combined consequences of the inadequate hemoglobin production and of unbalanced accumulation of one type of globin chain. The former causes anemia with hypochromia and microcytosis; the latter leads to ineffective erythropoiesis and haemolysis. Clinical manifestations range from completely asymptomatic microcytosis to profound anemia which is incompatible with life and can cause death in utero. The laboratory diagnosis of hemoglobinopathies and thalassemias is of growing importance, particularly because of an increasing requirement for antenatal diagnosis of significant disorders of globin chain synthesis. It has been recommended that all individuals of all ethnic groups except Northern European Caucasians be screened for variant hemoglobin's, all ethnic groups for β-thalassemia trait, and selected ethnic groups for α-thalassemia trait. Family studies can be of considerable importance in elucidating the nature of disorders of hemoglobin synthesis, but definite identification can be achieved only by DNA analysis or amino acid sequencing.

PERFORMANCE SPECIFICATIONS:Intra assay precision as low as 0.6% for HBF% and 1.0% for HbA2% and inter assay precision as low as 1.4% for HBF% and 1.9% for HbA2%. .

Please Correlate with clinical conditions.

Method :- FULLY AUTOMATED HPLC USING BIO-RAD VARIANT II

~~ End of report ~~

Dummy Report

Sample Collected on (SCT) : Sample collection time
Sample Received on (SRT) : Sample receiving time at Lab
Report Released on (RRT) : Report release time
Sample Type : EDTA
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign