PROCESSED AT :

Thyrocare
Tests you can trust

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NAME : xxxxxxxxxxxxxxxxx **SAMPLE COLLECTED AT :** xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

REF. BY : xxxxxxxxxxxxxxxxx

TEST ASKED : CYT04

SICKLE CELLS IN BLOOD BY LIGHT MICROSCOPY

CYTOLOGY NO: CY/783/2024

TEST NAME	TECHNOLOGY	VALUE
SICKLE CELL TEST	SOLUBILITY	NEGATIVE

Clinical Significance :-
Sickle cell disease is a collective name for a group of conditions causing clinical symptoms which are characterized by formation of sickle shaped Red Blood Cells (RBCs). The disorder is caused due to a genetic mutation involving replacement of glutamic acid by valine in position 6 of beta-chain of hemoglobin. This leads to formation of Hb S which has poor solubility in the deoxygenated
state and gets polymerized within RBCs. This makes RBCs to become distorted and rigid forming sickle shape. This test is only useful to screen the specimens for presence of Hemoglobin S. It does not differentiate between Hb S homozygous disease and sickle cell trait. A positive result must be confirmed by other techniques like electrophoresis and HPLC.
Please correlate with clinical conditions.

Dummy Report

---------- End of Report ----------
Results relate only to the sample as received. Kindly correlate with clinical condition

Note : If the test results are alarming or unexpected, Client is advised to contact the Physician immediately for possible remedial action.

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 : **CYTOLOGY**
Labcode :
Barcode :

Doctor 1 Sign Doctor 2 Sign