



Name: Mrs. Padma Shivnath Lanjewar	Marital Status: Married
Age / Gender: 40 years / FEMALE	Test Date: 01-08-2023
Sample type: Capillary Whole Blood	ABHA ID: 91600000000000
Family History of Sickle Cell Anemia: Unknown	Sample ID: 224321944144PADGMC

POINT OF CARE SICKLE CELL ANEMIA TEST		
TEST DESCRIPTION	RESULT	REFERENCE RANGES
Sickle Cell Anemia (Method: HPOS)	$R_a = 0.16$	< 0.16: Normal (HbA) 0.165 – 0.235: Sickle-cell Trait (HbAS) > 0.24: Sickle-cell Disease (HbSS) 0.16-0.165: Inconclusive (Negative Borderline) 0.235 – 0.24: Inconclusive (Positive Borderline)

Test Principle: This point of care quantitative diagnostic test for sickle-cell anemia works on the principle of absorption spectroscopy. The test helps in differentiating heterozygous/homozygous hemoglobin from normal hemoglobin.

Method: High Performance Optical Spectroscopy (HPOS) for detection of Sickle cell trait and sickle cell disease in whole blood capillary blood samples.

Note: Borderline cases are reported as inconclusive. It may occur due to several factors such as medication, transfusion, field conditions and assay process. Further clinical tests are recommended in these cases for diagnosis.

*** END OF REPORT ***

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Note: Assay results should be correlated clinically with other clinical findings