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File No. 56/01/2024-SickleCell/Misc/NCD

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Non RDT Assays validated for screening of Sickle Cell Disease (SCD) by ICMR laboratories are as following:

S. No.	Assay type	Year	Validating Site	Sample* size	Sensitivity (%)	Specificity (%)
1.	CSIR SCAN DBS Molecular Kit for screening and confirmation of Sickle Cell Anemia	2024	ICMR-NIIH Mumbai & ICMR-CRMCH, Chandrapur	156	100	100
2.	Sebia Capillary Electrophoresis Technology for the screening and diagnosis of Hemoglobinopathies	2024	ICMR-NIIH Mumbai & ICMR-CRMCH, Chandrapur	274	100	100

This has approval of DG-ICMR.

Note

* Comparative done with the HPLC gold standard results (Biorad Variant I).

Appropriate training of the laboratory staff is required before use of the such assays for avoiding technical errors.

(Heena Tabassum)
 Scientist & PO