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INDIAN COUNCIL OF MEDICAL RESEARCH

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

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Point of Care Assays validated for screening of Sickle Cell Disease (SCD) by ICMR areas following:

S. No.	Assay type	Year	Validating Site	Sample size	Sensitivity (%)	Specificity (%)
1.	SIDAK LIFE CARE PVT. LTD. Sickle Cell POCT	2024	ICMR-NIIH Mumbai & ICMR-CRMCH, Chandrapur	150	100	100
2.	Labcare Sickle Cell disease Rapid Test	2024	ICMR-NIRTH, Jabalpur	158	87.10	99.09
3.	Q-line Rapid Sickle Cell Screening Test Device	2024	ICMR-NIRTH, Jabalpur	172	87.10	99.09
4.	am i... "RAPID" test kit for Sickle cell (Biotrol Laboratories Pvt. Ltd)	2024	ICMR-RMRCBB, Bhubaneswar	150	98	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.

Every Batch should be checked for quality before use in the field.

Heena

(Heena Tabassum)
 Scientist & PO