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 ShanMukha
Innovations Pvt Ltd

Supported By



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What We Do

OUR PURPOSE

At ShanMukha Innovations we are striving to develop affordable point-of-care diagnostic solutions.

Recognitions



Our customers



ABOUT

SHANMUKHA INNOVATIONS

ShanMukha Innovations is a spin-off from Indian Institute of Science, Bangalore. Incorporated in 2016, the company has been delivering innovative Made in India first of its kind deep technology-based products in healthcare.

Our customers include government, non-profit and private sector companies. We have successfully delivered several projects towards academic institution, CSR and corporate orders for mobile labs and other high impact solutions.

TrueHeme - High Level Specification



PORTABLE, DURABLE, AND EASY TO USE SCKLE CELL TESTING WITH A SINGLE DROP OF BLOOD

TEST ANYWHERE, ANYTIME, WITH BATTERY THAT ENABLES CONTINUOUS TESTING OF UPTO 6 HOURS

6-CORE ROCKCHIP RK3399 - SOC

FAST AND ACCURATE RESULTS WITH ~98% SENSITIVITY

WITH 6 MONTHS WARRANTY

TESTING WITH EASE, PROVIDES CLEAR AND SIMPLE RESULTS, WHICH REQUIRE NO ANALYSIS/ INTERPRETATION BY THE USER

INTUITIVE TESTING THAT DOES NOT REQUIRE TRAINED LAB PERSONNEL

QUANTITATIVE RESULTS, WHICH MATCH THE ACCURACY OF GOLD STANDARD TECHNIQUES LIKE HPLC

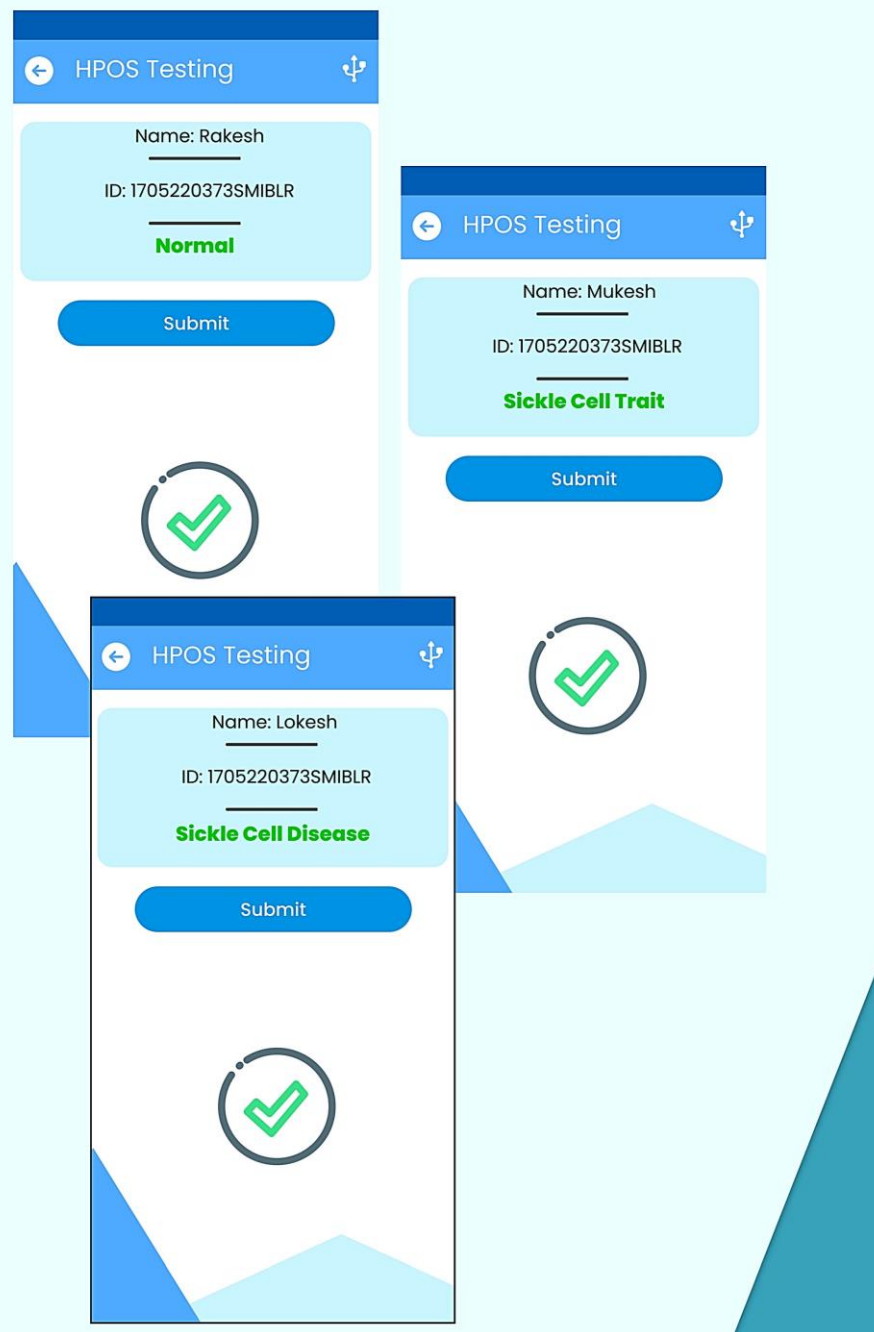


- Ideal Range, Superior Performance: Our device excels in temperatures from 20 to 45 degrees, delivering optimal results consistently
- Empowering Communities with Affordable Health: Revolutionizing Mass Screening with Low-Cost Diagnostic Devices. #HealthForAll
- Early Detection, Reliable Results: For assured precision, rely on our economical screening for an initial assessment of Sickle-cell traits and diseases. HPLC confirmation, the gold standard, is imperative for verified accuracy. #HealthInFocus
- Precision meets compatibility: Our device seamlessly works with proprietary IVD kits and includes Brand GmBH Cuvettes for accurate diagnostics. #InnovationInHealth

Sensitivity	96.9%	RAM	4 GB	L x B x H	(220 x 220 x 115)
Specificity	98.6%	No of Step	2 steps	Time To Result	15 min

TrueHeme – High Level Specification

Product Size LXBXH	220 mm x 220 mm x115 mm	Weight	1.5 kg
Number of Cuvette Readout Chambers	1	Wi-Fi	Yes
Number of Readout Channels	2	Power via Battery	9600 Mah
Number of Readout Paths	2	Light Source Life	10000 hours
Readout Time with Buffer	50 Seconds	Android Version	10
Cuvette Size	10 x 10 *45 mm	SoC	6-core Rockchip RK3399
Display	7 Inch Capacitive Touch Display	GPS	Yes
QR Camera	600 x400 pixels 610 nm LED	Bluetooth	Yes
Testing App	ShanMukha HPOS Testing	Warranty	24 Months
Registration App	ShanMukha HPOS Registration		
CPU	Dual-core Arm® Cortex®-A72 @ 2.0 GHz		
GPU	Arm® Mali™-T860 MP4 GPU @ 800 MHz		
Power via Adapter	12V – 19V 2A DC-in barrel connector		





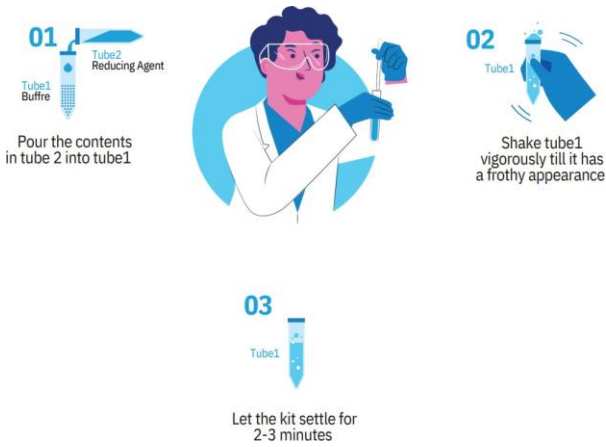
Sickle-cell Anaemia Test Kit

IDEAL FOR

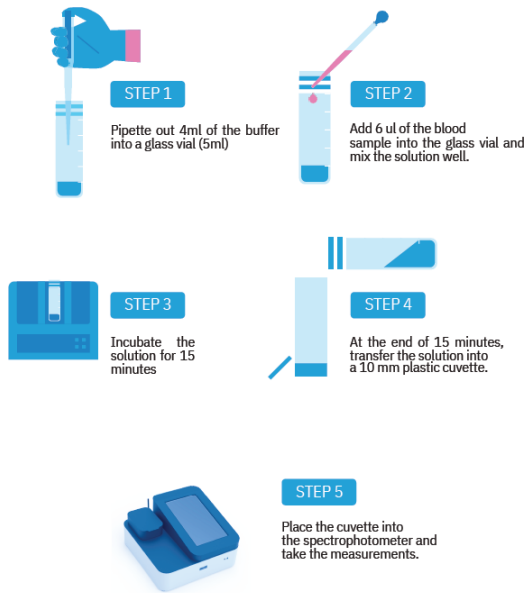
PHCs, NHM Sickle-cell Programs

BENEFITS

- ✓ Point-of-care Confirmatory Test
- ✓ Prognostic Tests
- ✓ 15 mins TAT
- ✓ Digital & Quantitative results
- ✓ High throughput in batch mode



PROCEDURE

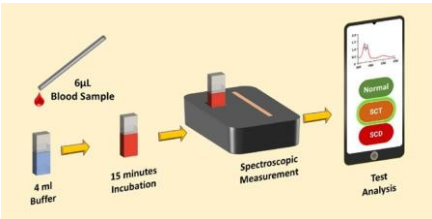




Sickle-cell Anaemia Test Kit

Specifications

Result Type	Quantitative
Pack Size	10/35 tests per kit
Sample Type Required	Whole Blood capillary/venous
Test Completion Time	15 minutes
Storage temperature of reagents	18 - 30 deg C
Shelf Life	12 months
Blood volume needed	6 microliters
Accessories	Glass vials/ polystyrene tubes with caps Cuvette (10 mm pathlength) 6 µl precision pipette with disposable tips / dropper 1 ml precision pipette with disposable tips / dropper"



Approvals



IS 23485:2019

Recognitions



India's Sickle-cell Test