

For In-vitro diagnostic use by trained lab technicians.

# Quick Reference Guide

For detailed user manual, please contact :-



After the test is completed, touch the well circle to open an updated entry screen.



- Touch the printer icon in the above screen to print the result.
- Touch the upload icon 1 in the above screen to send data to the server.
- The test tube to be discarded properly after the test.
- In case of errors, the error message is shown as below.



- Option to display the Result at 18° C, based on Manley's Nomogram.
- Option to set the test duration to either 30 or 60 minutes.
- Option to transfer data automatically to Host after test is completed (Requires Wi-Fi connection & Host details).

Any change is affected only on new tests, not on the current tests.

Set-up page 2/4 is for clearing patient memory or custom settings (set to factory default).



Data deleted cannot be retrieved.

### Wi-Fi & Host Connection

Set-up page 3/4 is for Wi-Fi & Host Connection.

Getting Started: -



- Connect the power adapter to the socket on the rear and press the Power switch to turn on the unit.
- Connect Printer and Barcode Scanner (BCS) if available, to the USB ports.
- It takes around 100 seconds for the Home screen to appear.



#### Start the test: -

There are many ways to start the test.

- Just place the test tube on any well. It may take few seconds for the test to start. Touch the well circle anytime during the test to enter Patient Id (manually or using BCS) in the entry screen.
- Possible error messages:
- i. When the test tube is removed before test completion,
  - "Error: Tube removed"
- ii. When the blood level in test tube is below the lower marker,
  - "Error: Level low"
- When the blood level in test tube is above the higher marker, "Error: Level High"

iv. When test duration exceeds the selected duration

"Error: Time exceeded"

## Review Results: -

- Touch the review results icon in the Home screen to access the stored test results.
- Results can be searched either by Date or Patient Id or both. Enter these and touch the filter icon





Select a network from the drop menu. Enter password & touch the Enter button, when connected an indicator appears as shown below.



Touch the Enter button for entering Host details and enter the IP Address and Port Number in the entry lines.



Well No. :1	Sedi(mm) vs Time(mi
Temp. 25 °C	80
ESR 27 mm/hr	60 Touch the entry
	40 - line to open a
Remaining time: -	20 - keyboard
	0

- Touch any well circle to open the entry screen. Enter Patient Id, exit and place the tube in the corresponding well.
- 3. Scan the barcode on the tube using BCS. A we message appears on the BCS indicator. Touch a well circle to open entry screen. Verify the Patient Id and exit. Place the tube in the corresponding well.

Patient Id cannot be edited after the test is completed.

#### Well circle status indicators: -



Test completed / aborted status stay till the tube is removed.



Fouch any row to view and print the test results. Set-up Menu: -

> Touch the Set-up menu icon <sup>120</sup> in the Home screen to enter the set-up options.

	Set-up	
Auto print		-
Result at 18°C		-
Test duration (30 / 60 min)		30
Auto data transfe	er	
Æ	1/4	>

- Print graph option for printing the sedimentation graph.
- Auto-print option to print the test results automatically, after the test.



- The Host details remains saved until any changes are made.
- Set-up page 4/4 is for factory use.
- Factory settings can be accessed only by authorized company personnel.

## Power off: -

 $\succ\,$  Press the Power Switch to turn off the unit.

# List of factory default settings:-

- > Auto print : OFF
- Result at 18° C : OFF
- Test duration (30/60 min) : 30 min

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# Ensure blood level is within the upper and lower markers on the test tube: -



### **Technical Specifications: -**

- ESR measuring range: 0 140 mm/hr
- Throughput: 40 samples/hour
- Loading pattern: Random
- Loading capacity: 20 samples simultaneously
- Optical sensor reading resolution: +/- 0.04 mm
- Patient data storage: 1024 records

# Operating Conditions: -

- Ambient temperature: 15° C 35° C
- Relative humidity: 5 % 85 %
- Altitude: 2,000 metres
- Input power: 12V DC/ 2A
- AC DC adapter: 150 240 V AC, 50 60 HZ



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### Unit Sl. No.:

### Packing list: -



- 2. Power adaptor
- 3. Quick reference guide
- 4. Allen Key
- 5. Instructions Before-Use

Verified by:

#### Symbols/ Marks used on product & manual

$\wedge$	Caution/ Warning
ዑ	Power switch
$\sim$	AC power
	DC power
♦€♦	DC inlet
•€	USB port
IVD	In Vitro diagnostic device
	Manufacturing address
[]	Manufacturing date
SN	Unit serial number