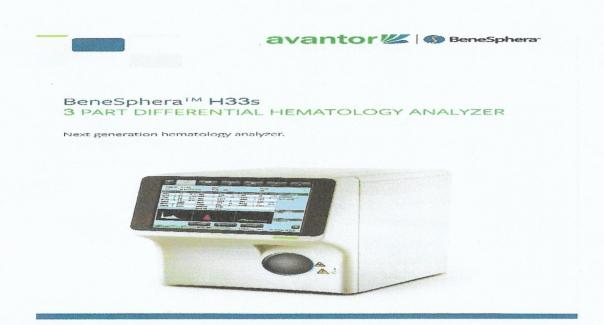
# TRICARE SERVICE SOLUTION

Puthenangady road, Kottayam: 686001. Email Id: tricare@mail.com\_Ph: 0481-2934059

Mob: 8075224059



Instrument Calibration/Validation Certificate		
Customer name	Hi Tech Laboratory & ECG	
Address	KFPSA Shopping Complex, Near Union	
	Bank, Kulathupalam, Kumily 685509	
Instrument	Benesphera H33S	
Serial Number	TH-15009627	
	☑ WARANTY ☑ AMC ☑ RRC	
Calibration	27.08.2021	
Installation Date	27.08.2021	
Due Date	27.08.2023	



### **Instrument Condition**

Room is Air-Conditioned	YES ☑	NO
Power Supply Earthing less than 3 V	YES ☑	NO
Room working environment is Good	YES ☑	NO

# **Initial Check**

•	Switch on the instrument with Fluidic wash	<b>☑</b> YES	NO
•	Instrument is Initializing Properly	<b>☑</b> YES	NO
•	Display is showing all characters	☑ YES	NO
•	Syringes movement is smooth during aspiration	<b>☑</b> YES	NO
•	Aspiration probe moving proper	<b>☑</b> YES	NO
•	HGB Lamp is Glowing	<b>☑</b> YES	NO
•	Reagent Temperature proper	<b>☑</b> YES	NO
•	Touch Calibration working properly	<b>☑</b> YES	NO
•	All valves are working properly	<b>☑</b> YES	NO

### **Validation**

Performing parameter Check while startup:

PARAMETER	Result	
WBC	$0.0 \times 10^3$	
HGB	0.0 g/dl	
нст	0.0 %	
RBC	<b>0.00</b> x 10 <sup>6</sup>	
PLT	1x10 <sup>3</sup>	

#### **Performance Check**

O Diluent syringe Dispensing Volume: 100 ul YES

O lyse syringe Dispensing Volume: 10 ul YES



### **Instrument Condition**

Room is Air-Conditioned	YES ☑	NO
Power Supply Earthing less than 3 V	YES ☑	NO
Room working environment is Good	YES ☑	NO

# **Initial Check**

•	Switch on the instrument with Fluidic wash	<b>☑</b> YES	NO
•	Instrument is Initializing Properly	<b>☑</b> YES	NO
•	Display is showing all characters	☑ YES	NO
•	Syringes movement is smooth during aspiration	<b>☑</b> YES	NO
•	Aspiration probe moving proper	<b>☑</b> YES	NO
•	HGB Lamp is Glowing	<b>☑</b> YES	NO
•	Reagent Temperature proper	<b>☑</b> YES	NO
•	Touch Calibration working properly	<b>☑</b> YES	NO
•	All valves are working properly	<b>☑</b> YES	NO

### **Validation**

Performing parameter Check while startup:

PARAMETER	Result	
WBC	$0.0 \times 10^3$	
HGB	0.0 g/dl	
нст	0.0 %	
RBC	<b>0.00</b> x 10 <sup>6</sup>	
PLT	1x10 <sup>3</sup>	

#### **Performance Check**

O Diluent syringe Dispensing Volume: 100 ul YES

O lyse syringe Dispensing Volume: 10 ul YES



O Blanking is proper during test

YES

O Results are satisfactory

YES

- O Run 20 x check -Diluent and 20 x check Lyse as QC sample YF
- O Run background Blank
- **O** Run Calibrations
- O Run QC material for several hematology applications

Test	QC Range Level	Test Results	QC Range Level 2	Test Results
WBC	6-8	7	15-17	16
HGB	10.08-13.02	12	15.5-18.5	17
RBC	5.4-6.6	6	9.9-12.01	11
PLT	210-253	245	400-447	430

#### Remarks:

- O Instrument is calibrated and working in good condition
- O Tested samples and found results are satisfactory

This calibration is valid from 27.08.2021 to 26.08.2022 Next Calibration is due on 27.08.2022

Technical Acceptance By,

Jobin Joseph Service Engineer

