

TRICARE SERVICE SOLUTION

Puthenangady road, Kottayam : 686001.

Email Id: tricare@mail.com Ph: 0481-2934059

Mob: 8075224059

avantor | BeneSphera™

BeneSphera™ H33s 3 PART DIFFERENTIAL HEMATOLOGY ANALYZER

Next generation hematology analyzer.



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
	<input checked="" type="checkbox"/> WARRANTY <input checked="" type="checkbox"/> AMC <input checked="" type="checkbox"/> RRC
Calibration	27.08.2021
Installation Date	27.08.2021
Due Date	27.08.2023



When you look for **QUALITY IN SERVICE**

Instrument Condition

Room is Air-Conditioned	YES <input checked="" type="checkbox"/>	NO
Power Supply Earthing less than 3 V	YES <input checked="" type="checkbox"/>	NO
Room working environment is Good	YES <input checked="" type="checkbox"/>	NO

Initial Check

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

Validation

Performing parameter Check while startup:

PARAMETER	Result
WBC	0.0 x 10 ³
HGB	0.0 g/dl
HCT	0.0 %
RBC	0.00 x 10 ⁶
PLT	1x10 ³

Performance Check

- Diluent syringe Dispensing Volume: 100 ul YES
- lyse syringe Dispensing Volume: 10 ul YES



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When you look for QUALITY IN SERVICE

- Blanking is proper during test YES
- Results are satisfactory YES
- Run 20 x check -Diluent and 20 x check Lyse as QC sample YES
- Run background Blank
- Run Calibrations
- Run QC material for several hematology applications

Test	QC Range Level 1	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:

- Instrument is calibrated and working in good condition
- 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

