


<u>CALIBRATION CERTIFICATE</u>			
Customer Name	NU Hospital, Shivamogga		
Department	DEPARTMENT OF LABORATORY MEDICINE- NU HOSPITALS SHIVAMOGGA		
Address	SHIVAMOGGA. KARNATAKA		
<i>Factory Manufacturer Calibration Record</i>		Next Calibration Date	15-09-2021
Instrument	BC-5000 Auto Hematology Analyzer	Date of Calibration	16-09-2020
Serial Number	SS-9B06461	Calibrator Lot Number	PLUS0920
		Calibrator Expiry date	13-10-2020

	<u>Parameter</u>	<u>Target</u>	<u>Range</u>	<u>Mean of Measured Values</u>	<u>Current Factor</u>	<u>OldFactor</u>
Calibration Values	WBC x 10 ⁹ /L	9.42	9.25-9.65	9.30	111.6	103.56
	RBC x10 ¹² /L	4.30	4.28-4.44	4.32	107.65	108.61
	HGB g/dL	13.9	13.5-14.3	13.7	113.39	113.45
	MCV fl	88.0	86.0-90.0	89.20	99.98	99.74
	PLT x 10 ⁹ /L	254	240-264	256	111.65	100.18

This is to certify that the Mindray BC-5000 Hematology Analyzer with Serial No: SS-9B06461 installed at NU Hospital, Shivamogga has been calibrated using the standard reference material SC CAL PLUS0920 Calibrator. Traceability of SC CAL PLUS Calibrator from the manufacturer is attached along with the calibration certificate.


 _____ Date:16-09-2020
 Application Specialist-IVD
 Mindray Medical India Pvt.Ltd

CBC-CAL PLUSfor MINDRAY
HEMATOLOGY CALIBRATOR**CALIBRATOR****LOT** PLUS0920

2020-10-13

Instrument	Parameter	Assigned Value	Acceptable Range
MINDRAY BC-6800, BC-6600	WBC x 10 ³ /μL	8.63	8.43 - 8.83
	RBC x 10 ⁶ /μL	4.57	4.49 - 4.65
	HGB g/dL	13.9	13.7 - 14.1
	MCV fL	94.5	92.5 - 96.5
	PLT x 10 ³ /μL	241	229 - 253
MINDRAY BC-6800Plus, BC-6700Plus BC-6600Plus	WBC x 10 ³ /μL	8.64	8.44 - 8.84
	RBC x 10 ⁶ /μL	4.57	4.49 - 4.65
	HGB g/dL	14.0	13.8 - 14.2
	MCV fL	94.6	92.6 - 96.6
	PLT x 10 ³ /μL	236	224 - 248
MINDRAY BC-6200 BC-6100, BC-6100Plus BC-6000, BC-6000Plus	WBC x 10 ³ /μL	8.95	8.75 - 9.15
	RBC x 10 ⁶ /μL	4.65	4.57 - 4.73
	HGB g/dL	14.0	13.8 - 14.2
	MCV fL	95.1	93.1 - 97.1
	PLT x 10 ³ /μL	251	239 - 263
MINDRAY BC-5800, BC-5600	WBC x 10 ³ /μL	9.19	8.99 - 9.39
	RBC x 10 ⁶ /μL	4.65	4.57 - 4.73
	HGB g/dL	14.2	14.0 - 14.4
	MCV fL	88.6	86.6 - 90.6
	PLT x 10 ³ /μL	261	249 - 273
MINDRAY BC-5390	WBC x 10 ³ /μL	9.50	9.30 - 9.70
	RBC x 10 ⁶ /μL	4.57	4.49 - 4.65
	HGB g/dL	14.0	13.8 - 14.2
	MCV fL	88.0	86.0 - 90.0
	PLT x 10 ³ /μL	245	233 - 257
MINDRAY BC-5390CRP, BC-5310CRP BC-5180CRP, BC-5100CRP	WBC x 10 ³ /μL	9.51	9.31 - 9.71
	RBC x 10 ⁶ /μL	4.60	4.52 - 4.68
	HGB g/dL	14.0	13.8 - 14.2
	MCV fL	87.8	85.8 - 89.8
	PLT x 10 ³ /μL	248	236 - 260
MINDRAY BC-5380, BC-5180 BC-5300, BC-5300Vet BC-5100, BC-5100Vet (Software version lower than 1.24.00.16860)	WBC x 10 ³ /μL	9.00	8.80 - 9.20
	RBC x 10 ⁶ /μL	4.58	4.50 - 4.66
	HGB g/dL	14.1	13.9 - 14.3
	MCV fL	92.7	90.7 - 94.7
	PLT x 10 ³ /μL	244	232 - 256
MINDRAY BC-5380, BC-5180 BC-5300, BC-5100 (Software version 1.24.00.16860 or higher)	WBC x 10 ³ /μL	9.45	9.25 - 9.65
	RBC x 10 ⁶ /μL	4.51	4.43 - 4.59
	HGB g/dL	14.0	13.8 - 14.2
	MCV fL	90.2	88.2 - 92.2
	PLT x 10 ³ /μL	246	234 - 258
MINDRAY BC-5000, BC-5000Vet BC-5150, BC-5140 BC-5130, BC-5120	WBC x 10 ³ /μL	9.42	9.25 - 9.65
	RBC x 10 ⁶ /μL	4.30	4.28 - 4.44
	HGB g/dL	13.9	13.5 - 14.3
	MCV fL	88.0	86.0 - 90.0
	PLT x 10 ³ /μL	254	240 - 264

NOTES

1. Before using CBC-CAL PLUS, read the package insert. Calibration errors may result if instructions are not followed exactly.
2. For technical assistance in the USA and Canada call our Technical Service Department at (800) 523-3395.

R&D Systems, Inc.

614 McKinley Place NE

Minneapolis, MN 55413

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