

<b><u>CALIBRATION CERTIFICATE</u></b>			
<b>Customer Name</b>	<i>NU Hospital, Ambur</i>		
<b>Department</b>	DEPARTMENT OF LABORATORY MEDICINE- KM NU HOSPITAL AMBUR		
<b>Address</b>	AMBUR, TAMILNADU		
<i>Factory Manufacturer Calibration Record</i>		<b>Next Calibration Date</b>	19-09-2021
<b>Instrument</b>	BC-5000 Auto Hematology Analyzer	<b>Date of Calibration</b>	20-09-2020
<b>Serial Number</b>	SS-99006425	<b>Calibrator Lot Number</b>	PLUS0920
		<b>Calibrator Expiry date</b>	13-10-2020

<b>Calibration Values</b>	<u>Parameter</u>	<u>Target</u>	<u>Range</u>	<u>Mean of Measured Values</u>	<u>Current Factor</u>	<u>Old Factor</u>
	WBC x 10 <sup>9</sup> /L	9.45	9.25-9.65	8.62	111.6	103.56
	RBC x 10 <sup>12</sup> /L	4.36	4.28-4.44	4.21	107.65	108.61
	HGB g/dL	12.7	12.5-12.9	11.6	113.39	113.45
	MCV fl	88.0	86.0-90.0	88.14	99.98	99.74
	PLT x 10 <sup>9</sup> /L	251	239-263	240	111.65	100.18

This is to certify that the Mindray BC-5000 Hematology Analyzer with Serial No: SS-99006425 installed at NU Hospital, Ambur 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: 20-09-2020

Application Specialist-IVD  
Mindray Medical India Pvt.Ltd

# Reference Standard

AS124-018 Rev. 04/20

## CBC-CAL PLUS

for MINDRAY  
HEMATOLOGY CALIBRATOR

**CALIBRATOR**

**LOT PLUS0920**



**2020-10-13**

Instrument	Parameter	Assigned Value	Acceptable Range
MINDRAY BC-6800, BC-6600	WBC x 10 <sup>3</sup> /μL	8.63	8.43 - 8.83
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	241	229 - 253
MINDRAY BC-6800Plus, BC-6700Plus BC-6600Plus	WBC x 10 <sup>3</sup> /μL	8.64	8.44 - 8.84
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	236	224 - 248
MINDRAY BC-6200 BC-6100, BC-6100Plus BC-6000, BC-6000Plus	WBC x 10 <sup>3</sup> /μL	8.95	8.75 - 9.15
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	251	239 - 263
MINDRAY BC-5800, BC-5600	WBC x 10 <sup>3</sup> /μL	9.19	8.99 - 9.39
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	261	249 - 273
MINDRAY BC-5390	WBC x 10 <sup>3</sup> /μL	9.50	9.30 - 9.70
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	245	233 - 257
MINDRAY BC-5390CRP, BC-5310CRP BC-5180CRP, BC-5100CRP	WBC x 10 <sup>3</sup> /μL	9.51	9.31 - 9.71
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /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 <sup>3</sup> /μL	9.00	8.80 - 9.20
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	244	232 - 256
MINDRAY BC-5380, BC-5180 BC-5300, BC-5100 (Software version 1.24.00.16860 or higher)	WBC x 10 <sup>3</sup> /μL	9.45	9.25 - 9.65
	RBC x 10 <sup>6</sup> /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 <sup>3</sup> /μL	246	234 - 258
MINDRAY BC-5000, BC-5000Vet BC-5150, BC-5140 BC-5130, BC-5120	WBC x 10 <sup>3</sup> /μL	9.45	9.25 - 9.65
	RBC x 10 <sup>6</sup> /μL	4.36	4.28 - 4.44
	HGB g/dL	12.7	12.5 - 12.9
	MCV fL	88.0	86.0 - 90.0
	PLT x 10 <sup>3</sup> /μL	251	239 - 263

**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 USA  
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