

### Exceptions

Analyte	Instrument	Result	Unit	Z-score	Comparator
▼ Hematocrit	Horiba ABX Micros ES 60	39.6	%	2.33	Peer
✗ MPV	Horiba ABX Micros ES 60	11.2	fL (cubic $\mu\text{m}$ )	3.49	Mode
✗ Platelets	Horiba ABX Micros ES 60	294	G/L (1E+9/L)	3.42	Peer
✗ WBC	Horiba ABX Micros ES 60	7.05	K/ $\mu\text{L}$	-4.43	Peer

Legend: No Warnings Missing Result Late Results  $2.0 \leq |Z\text{-score}| < 3.0$   $|Z\text{-score}| \geq 3.0$  \* Amended Result (per participant's request)

### EQAS News

IMPORTANT: Place your order for the next cycle now by contacting your Bio-Rad Representative.



Bio-Rad Laboratories is accredited to ISO/IEC 17043:2010. Refer to the User Guide for additional information on the EQAS Program, EQAS reports, their interpretation, statistics, and contact details.

### Customer Information

**Lab: 311009**

**Attn: MR PAWAN SHARMA  
ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
NEAR ARYAN HOSPITAL  
GURGAON HARYANA 122001  
INDIA**



**Lab 311009**

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
NEAR ARYAN HOSPITAL  
GURGAON HARYANA 122001  
INDIA

**Configuration Report  
Hematology Program**

**Cycle 17**

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



**Selected Options:**

Data Input: Online  
Report Receipt: QCNet  
Subgroup Number: None

**Instrument**

2885 – Horiba ABX Micros ES 60

Analyte	Method	Reagent	Unit
297 HCT	103 Calculated	0006 Dedicated Reagent	93 %
296 HGB	004 Colorimetric	0006 Dedicated Reagent	15 g/dL
351 MCH	103 Calculated	0006 Dedicated Reagent	24 pg/cell
352 MCHC	103 Calculated	0006 Dedicated Reagent	15 g/dL
307 MCV	094 Electrical impedance	0006 Dedicated Reagent	23 fL (cubic $\mu\text{m}$ )
363 MPV	103 Calculated	0006 Dedicated Reagent	23 fL (cubic $\mu\text{m}$ )
356 PLT	094 Electrical impedance	0006 Dedicated Reagent	43 G/L (1E+9/L)
295 RBC	094 Electrical impedance	0006 Dedicated Reagent	20 M/ $\mu\text{L}$
355 RDW	103 Calculated	0006 Dedicated Reagent	93 %
294 WBC	094 Electrical impedance	0006 Dedicated Reagent	21 K/ $\mu\text{L}$



Lab 311009

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INDIA

Sample Summary Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Instrument: Horiba ABX Micros ES 60

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
▼ Hematocrit	%	39.6	38.2	2.33	1.69	Peer
✓ Hemoglobin, Total	g/dL	13.9	13.5	1.74	1.74	Mode
✓ MCH	pg/cell	29.6	29.5	0.11	377	Peer
✓ MCHC	g/dL	35.4	35.0	0.60	-0.26	Peer
✓ MCV	fL (cubic µm)	83.7	83.9	-0.19	-1.57	Peer
✗ MPV	fL (cubic µm)	11.2	9.16	3.49	-0.77	Mode
✗ Platelets	G/L (1E+9/L)	294	246	3.42	-7.38	Peer
✓ RDW	%	14.3	13.4	1.27	1.21	Peer
✓ Red Blood Cells	M/µL	4.73	4.53	1.71	3.51	Peer
✗ WBC	K/µL	7.05	8.80	-4.43	9903	Peer

Legend: ✓ No Warnings    📄 Missing Result    ⓘ Late Results    ▼  $2.0 \leq |Z\text{-score}| < 3.0$     ✗  $|Z\text{-score}| \geq 3.0$   
 \* Amended Result (per participant's request)    †† Non-robust determination of Mean and SD

Problem Classification: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Corrective Action: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_

Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_



Lab 311009

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
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INDIA

### Hematocrit Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

Your Result

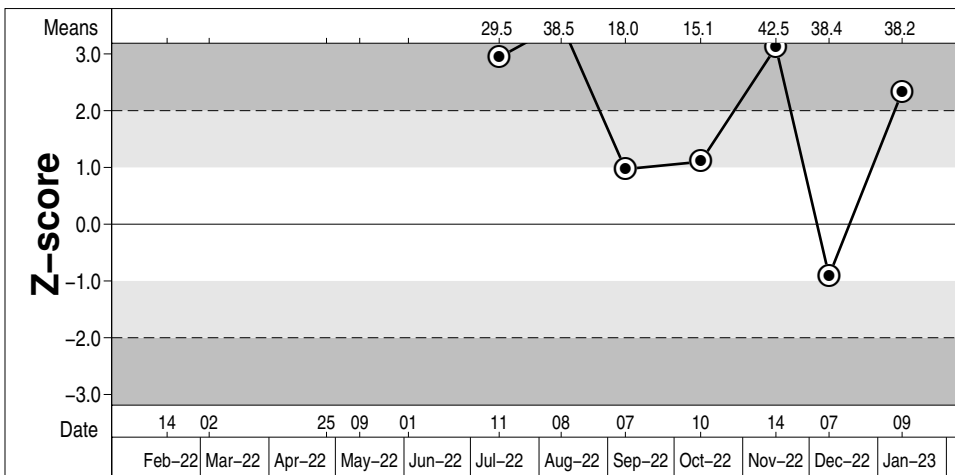
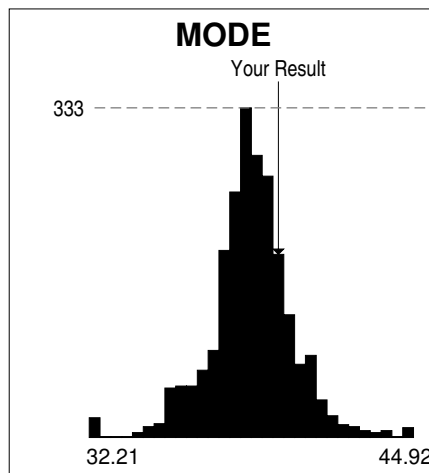
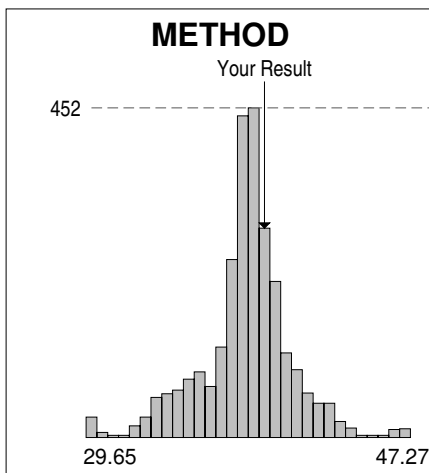
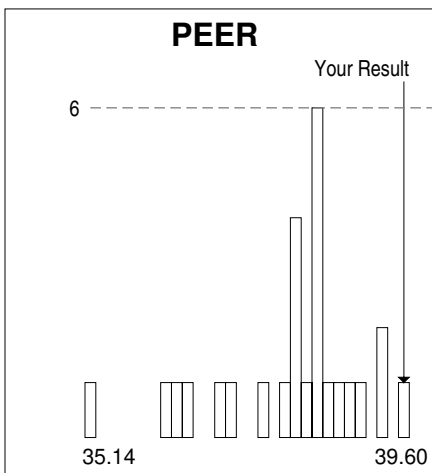
39.6 %

- ◆ Your Mode
- Your Method
- Your Peer

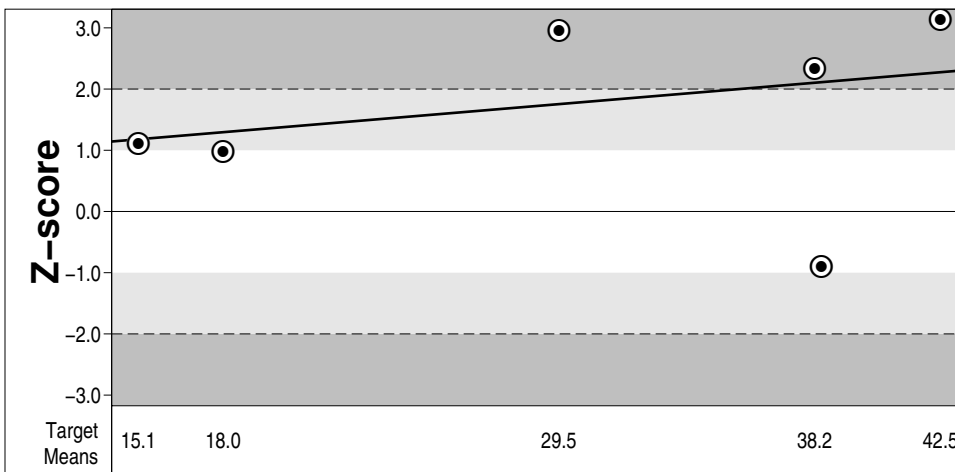
#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2262	38.6	1.27	3.29	0.067	0.81	0.71	2.68
Your Method	2698	38.5	1.76	4.58	0.085	0.65	0.59	2.97
Your Peer	26	38.2	0.608	1.59	0.298	2.33	1.69	3.71



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	466	38.5	1.92	0.086
Sysmex XN-L Series Calculated Dedicated Reagent	373	38.3	2.01	0.100
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	166	39.6	2.65	0.204
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	157	39.3	1.50	0.117
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	136	33.9	3.50	0.255
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	120	34.3	2.81	0.220
Sysmex XS Series Calculated Dedicated Reagent	91	38.3	1.51	0.152
Mindray BC-6000 Series Calculated Mindray Hematology Reagent	82	42.5	1.80	0.211
Sysmex XP-100 Calculated Dedicated Reagent	77	35.8	1.39	0.141



**Hematocrit 17 : 10**  
CYCLE SAMPLE



Lab 311009

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
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INDIA

### Hemoglobin, Total Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



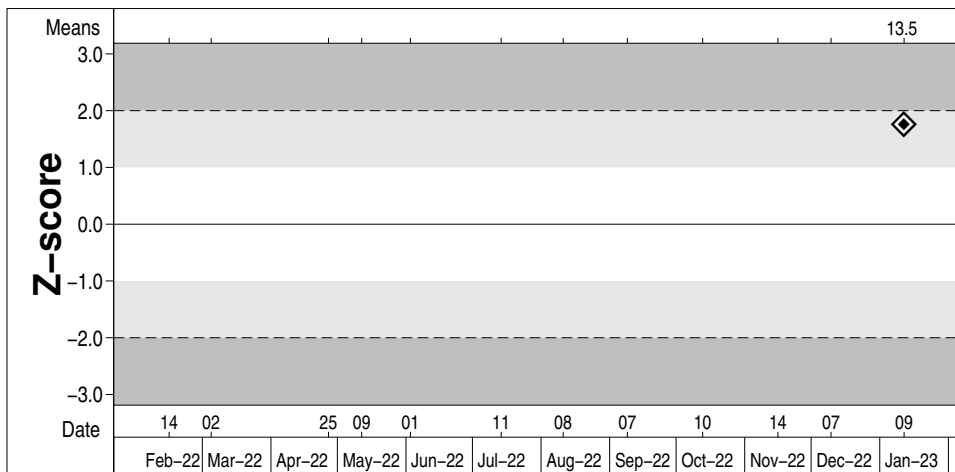
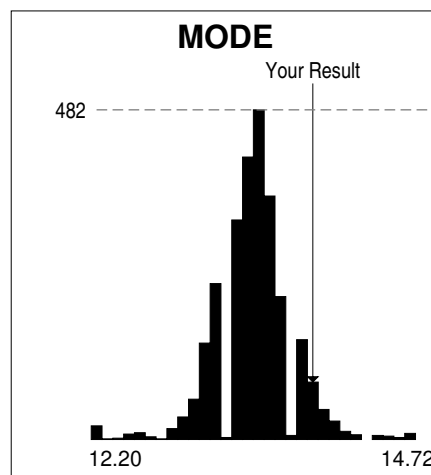
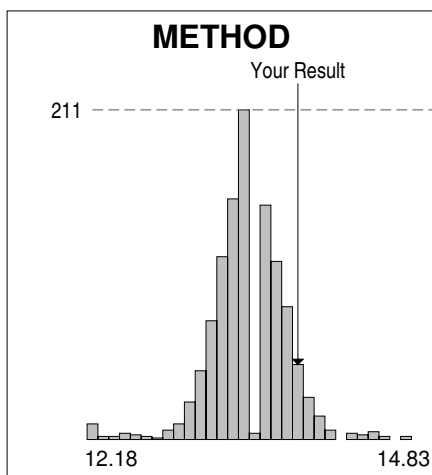
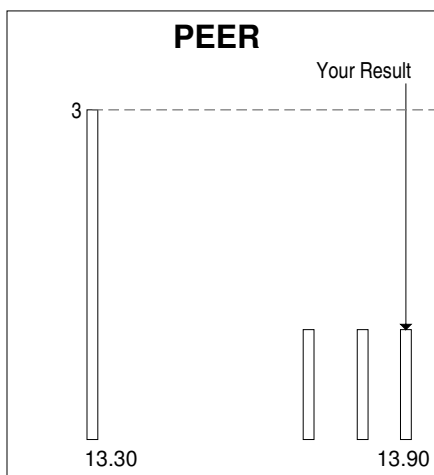
Horiba ABX Micros ES 60

Your Result  
**13.9 g/dL**

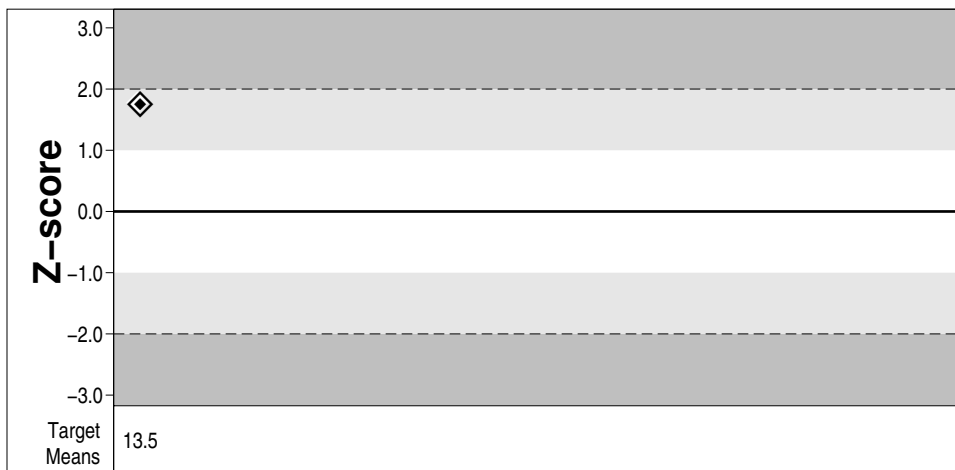
#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ Your Mode	2656	13.5	0.253	1.88	0.012	1.74	1.74	3.27
■ Your Method	1131	13.5	0.265	1.96	0.020	1.49	1.49	2.93
◎ Your Peer	6	13.6	0.319	2.35	0.325	1.10	1.10	2.58



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Photometric Dedicated Reagent	362	13.5	1.16	0.021
Sysmex XN-L Series Photometric Dedicated Reagent	276	13.4	1.08	0.022
Beckman Coulter UniCel DxH Series Photometric Dedicated Reagent	155	13.2	1.06	0.028
Mindray BC-20/20s/30/30s (BeneSpher... Colorimetric Dedicated Reagent	151	13.7	1.81	0.050
Sysmex XN 1000/2000/3000/9000 Colorimetric Dedicated Reagent	119	13.5	1.13	0.035
Siemens ADVIA 120/2120/2120i Photometric Dedicated Reagent	100	13.5	2.00	0.067
Sysmex XN-L Series Colorimetric Dedicated Reagent	98	13.4	0.994	0.034
Abbott CELL-DYN Ruby Photometric Dedicated Reagent	98	13.7	1.84	0.064
Mindray BC-6000 Series Colorimetric Mindray Hematology Reagent	82	13.6	0.963	0.036



**Hemoglobin, Total 17 : 10**  
CYCLE SAMPLE



Lab 311009

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
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INDIA

MCH Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

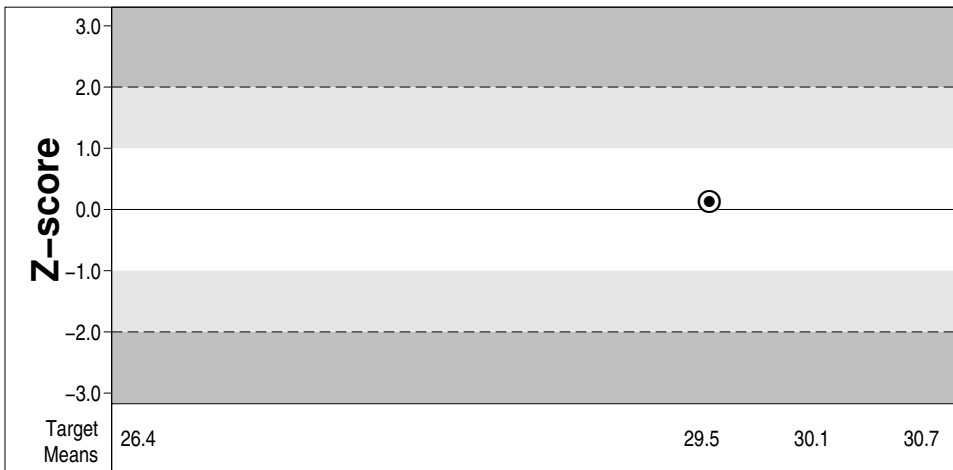
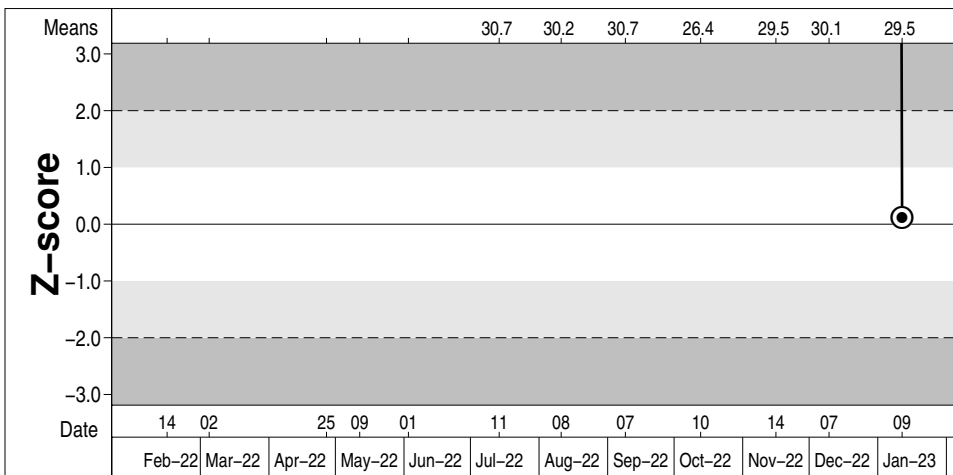
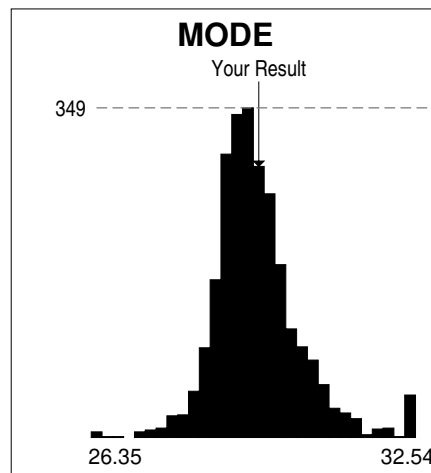
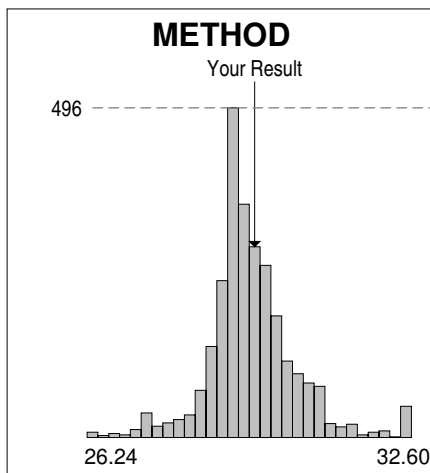
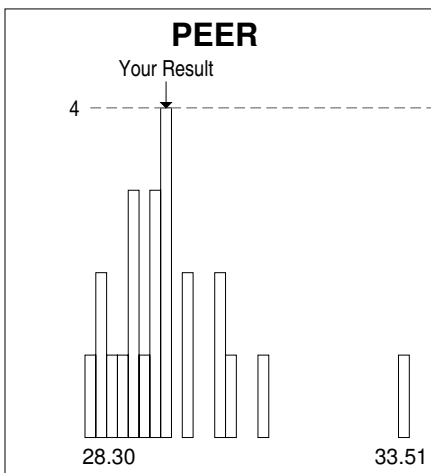
Your Result  
**29.6 pg/cell**

- ◆ Your Mode
- Your Method
- ◎ Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2603	29.4	0.619	2.10	0.030	0.25	455	0.526
Your Method	2687	29.4	0.636	2.16	0.031	0.29	434	0.618
Your Peer	23	29.5	0.801	2.71	0.417	0.11	377	0.311



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	464	29.3	1.52	0.052
Sysmex XN-L Series Calculated Dedicated Reagent	368	29.2	1.31	0.050
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	162	30.4	2.01	0.120
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	151	29.2	1.66	0.099
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	140	30.0	2.14	0.135
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	124	29.7	2.21	0.148
Sysmex XS Series Calculated Dedicated Reagent	89	29.4	1.58	0.123
Mindray BC-6000 Series Calculated Mindray Hematology Reagent	81	29.6	1.99	0.164
Sysmex XP-100 Calculated Dedicated Reagent	78	29.6	2.06	0.172

**MCH 17 : 10**  
CYCLE SAMPLE



Lab 311009

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
NEAR ARYAN HOSPITAL  
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INDIA

### MCHC Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

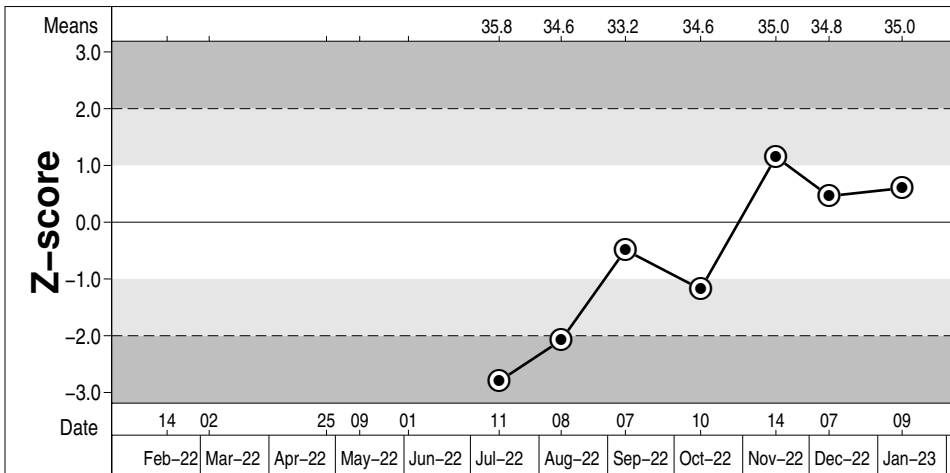
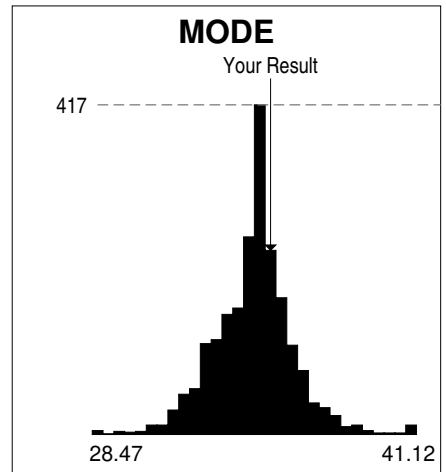
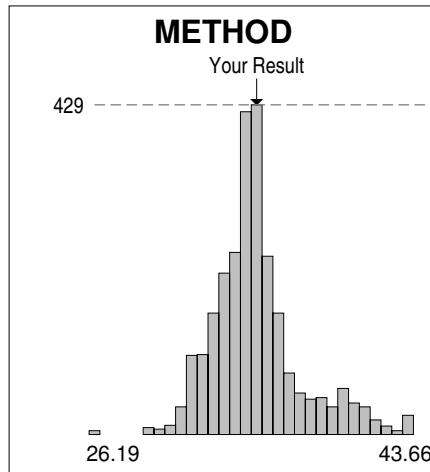
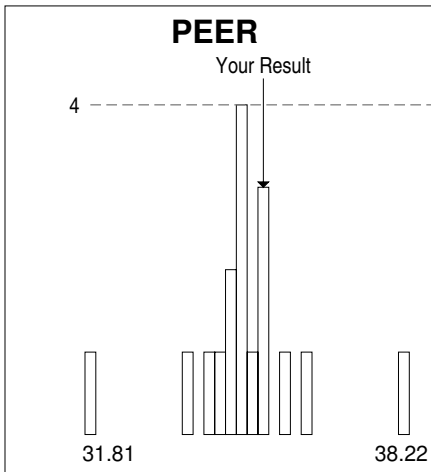
**Your Result**  
**35.4 g/dL**

- ◆ Your Mode
- Your Method
- Your Peer

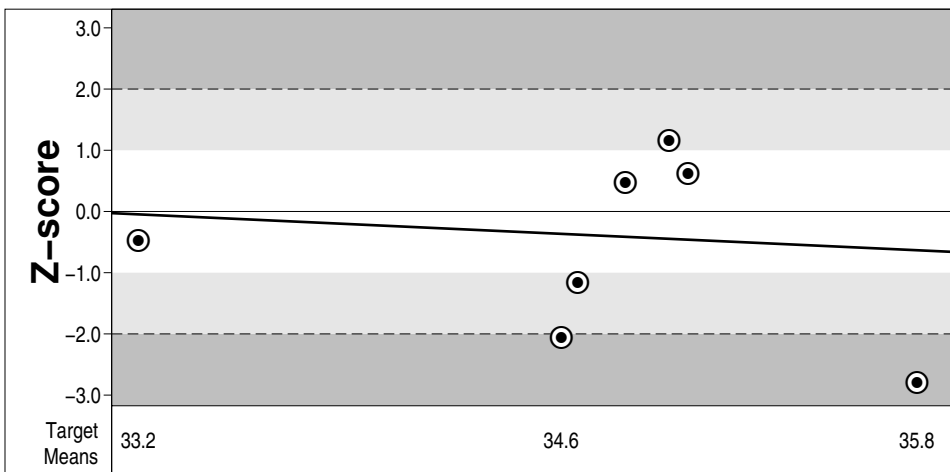
#### Comparative Statistics

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2138	34.8	1.26	3.64	0.068	0.48	0.12	1.73
Your Method	2581	34.9	1.75	5.00	0.086	0.27	0.01	1.36
Your Peer	17	35.0	0.641	1.83	0.389	0.60	-0.26	1.09

#### Your Deviation



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	512	35.2	2.03	0.079
Sysmex XN-L Series Calculated Dedicated Reagent	371	35.0	1.76	0.080
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	152	33.5	1.71	0.116
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	139	39.8	3.37	0.284
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	125	40.0	3.18	0.285
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	124	34.5	2.75	0.213
Sysmex XS Series Calculated Dedicated Reagent	88	35.1	1.63	0.152
Mindray BC-6000 Series Calculated Mindray Hematology Reagent	80	32.1	1.84	0.165
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	76	34.7	2.71	0.269



**MCHC 17 : 10**  
CYCLE SAMPLE



Lab 311009

ORBIT HEALTHCARE AND DIAGNOSTIC CENT  
325/11, OLD RAILWAY STATION ROAD,  
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INDIA

MCV Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

Your Result

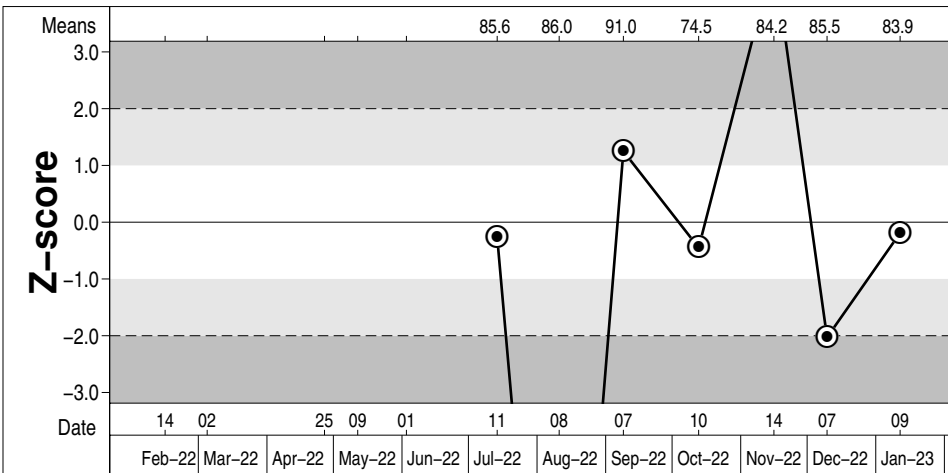
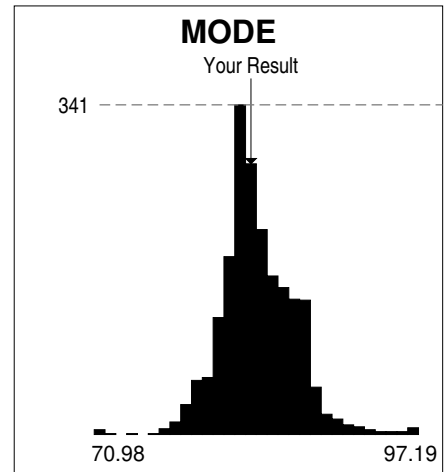
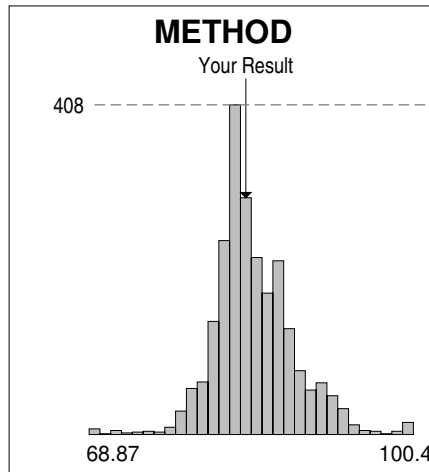
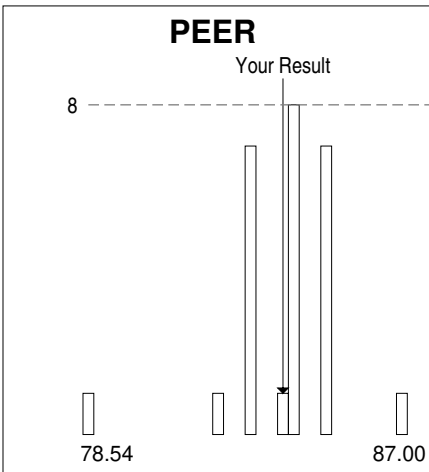
83.7 fL (cubic  $\mu\text{m}$ )

- ◆ Your Mode
- ▣ Your Method
- Your Peer

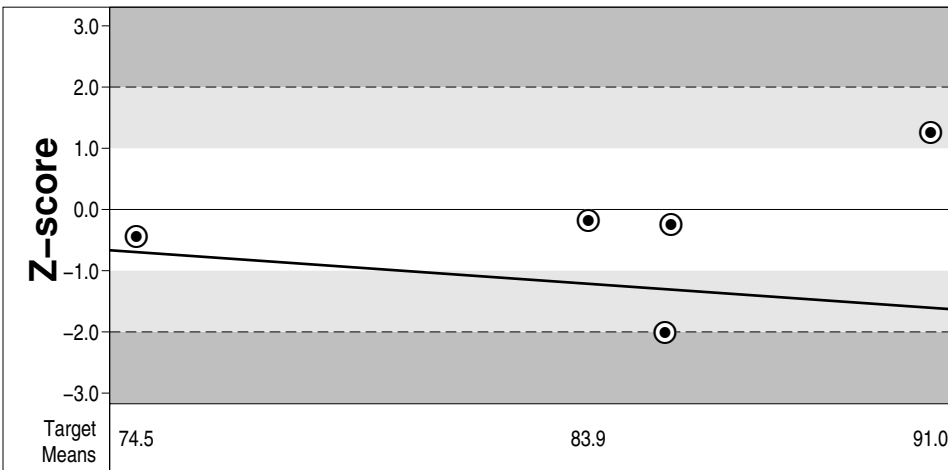
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2031	84.1	2.62	3.12	0.145	-0.15	-1.43	-0.456
Your Method	2325	84.7	3.16	3.73	0.164	-0.30	-1.36	-1.13
Your Peer	26	83.9	1.07	1.28	0.527	-0.19	-1.57	-0.248



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	466	83.3	1.61	0.156
Sysmex XN-L Series Electrical impedance Dedicated Reagent	367	83.4	1.48	0.162
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	151	87.2	1.00	0.178
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	147	87.8	1.37	0.248
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	127	75.5	2.95	0.495
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	117	74.2	2.53	0.434
Mindray BC-6000 Series Electrical impedance Mindray Hematology Reagent	82	92.3	1.34	0.342
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	76	82.7	2.23	0.530
Sysmex XS Series Electrical impedance Dedicated Reagent	73	83.9	1.67	0.409



MCV 17 : 10  
CYCLE SAMPLE





Lab 311009

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INDIA

### MPV Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

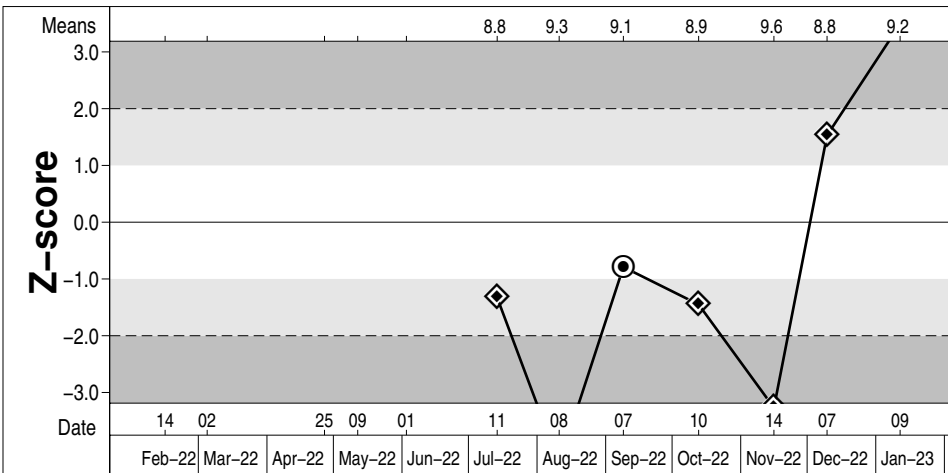
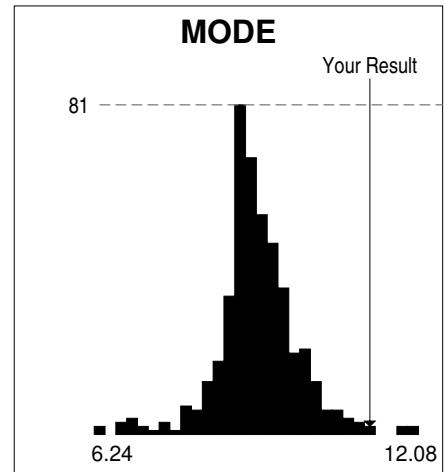
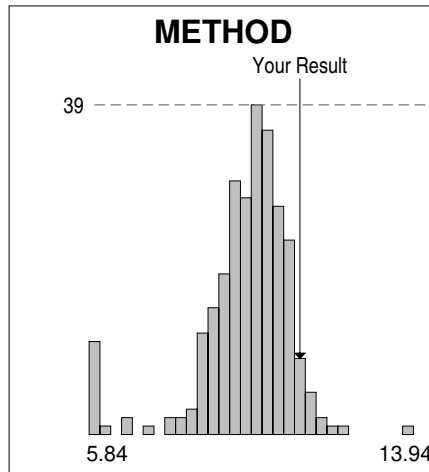
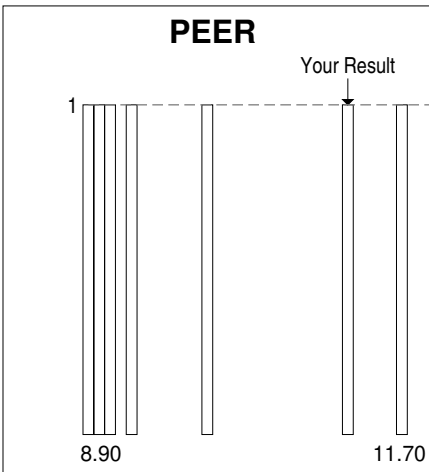
#### Comparative Statistics

#### Your Deviation

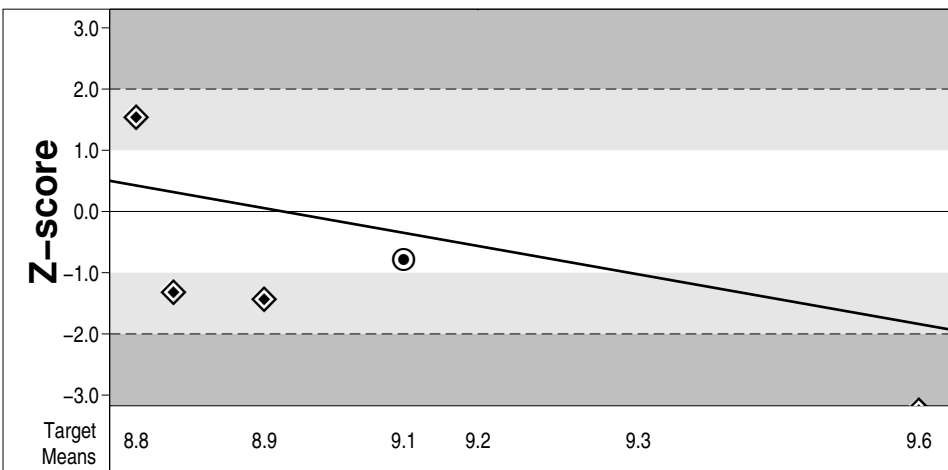
	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ Your Mode	459	9.16	0.584	6.38	0.068	3.49	-0.77	22.3
■ Your Method	270	9.89	0.810	8.20	0.123	1.62	-1.05	13.3
● Your Peer	7	9.53	0.656	6.89	0.620	2.55	-1.38	17.6

### Your Result

## 11.2 fL (cubic μm)



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	430	10.5	2.76	0.035
Sysmex XN-L Series Electrical impedance Dedicated Reagent	280	10.5	2.64	0.042
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	118	8.94	2.71	0.056
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	100	10.8	6.42	0.173
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	97	10.6	1.49	0.040
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	95	4.53	6.79	0.079
Mindray BC-6000 Series Electrical impedance Mindray Hematology Reagent	74	11.6	2.21	0.075
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	72	11.1	5.59	0.183
Sysmex XP-100 Electrical impedance Dedicated Reagent	45	10.2	2.41	0.092



# MPV CYCLE 17 : SAMPLE 10



Lab 311009

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INDIA

Platelets Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Horiba ABX Micros ES 60

Comparative Statistics

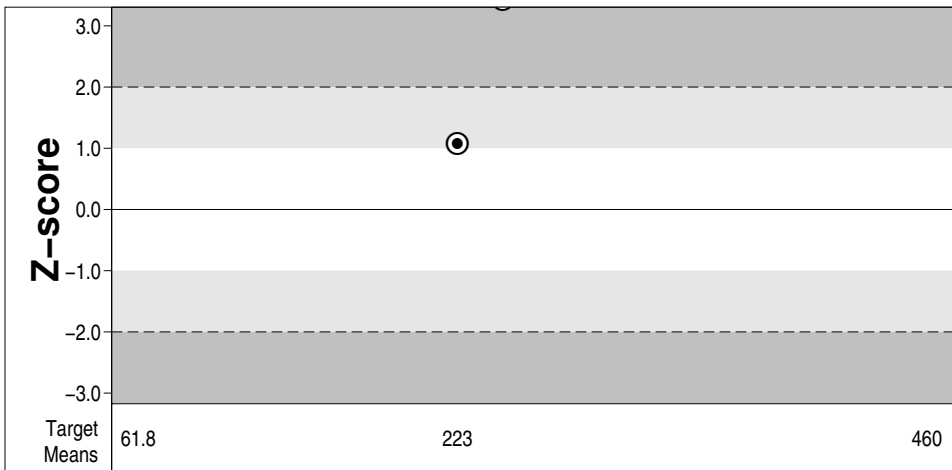
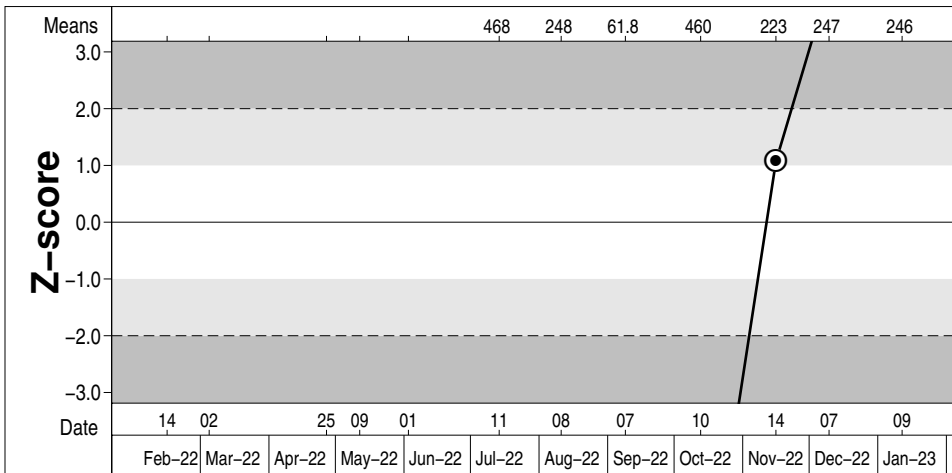
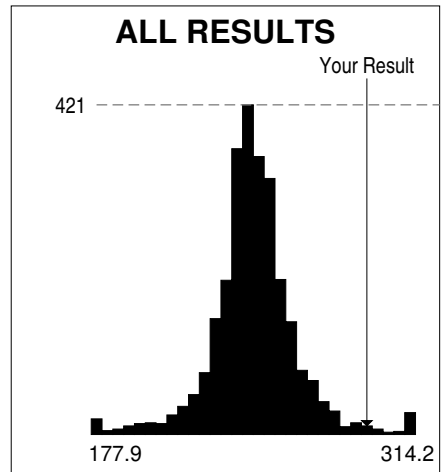
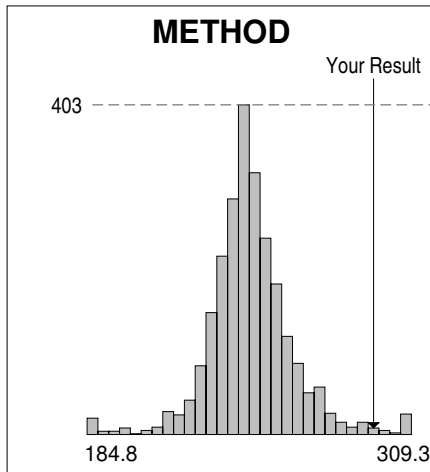
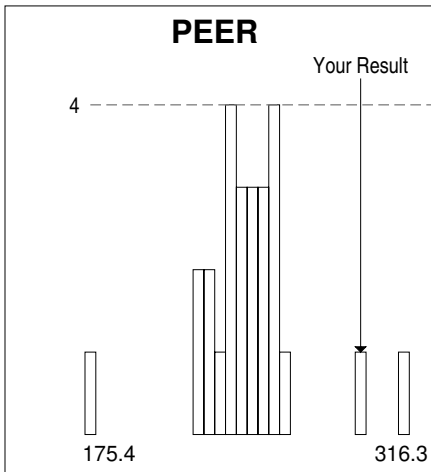
Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ All Results	2733	246	13.6	5.54	0.652	3.52	-4.99	19.5
■ Your Method	2452	247	12.4	5.04	0.628	3.77	-5.50	19.0
● Your Peer	26	246	14.1	5.73	6.91	3.42	-7.38	19.6

Your Result

294 G/L (1E+9/L)

- ◆ All Results
- Your Method
- Your Peer



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	470	245	3.76	1.06
Sysmex XN-L Series Electrical impedance Dedicated Reagent	373	245	4.33	1.37
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	166	249	4.31	2.08
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	161	241	3.03	1.44
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	124	219	8.84	4.36
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	115	243	6.20	3.51
Sysmex XS Series Electrical impedance Dedicated Reagent	92	242	4.08	2.57
Mindray BC-6000 Series Electrical impedance Mindray Hematology Reagent	82	252	4.36	3.03
Sysmex XP-100 Electrical impedance Dedicated Reagent	78	256	4.16	3.01

PLATELETS 17 : 10  
CYCLE SAMPLE



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INDIA

RDW Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



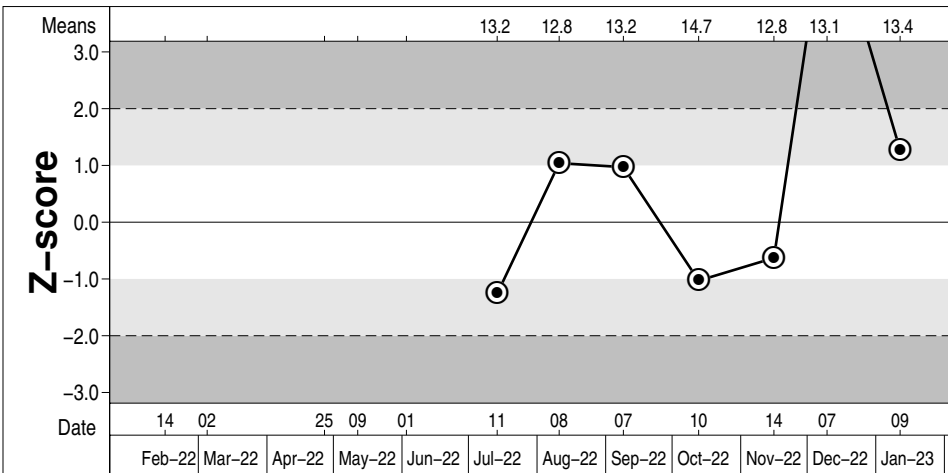
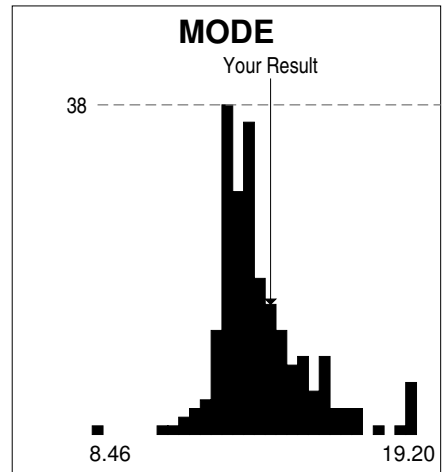
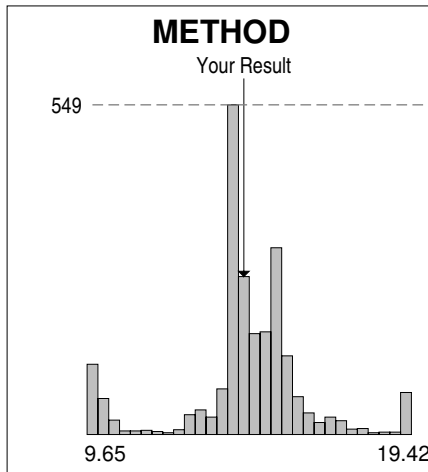
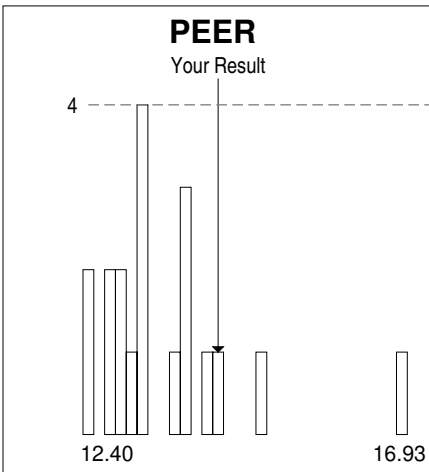
Horiba ABX Micros ES 60

Your Result  
**14.3 %**

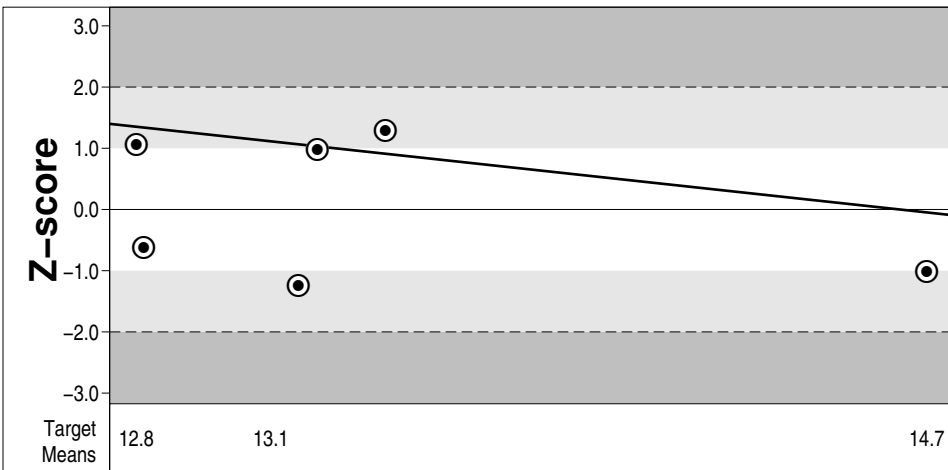
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ Your Mode	219	13.8	1.07	7.76	0.181	0.44	0.02	3.38
■ Your Method	2279	14.5	0.977	6.72	0.051	-0.24	-0.95	-1.61
● Your Peer	19	13.4	0.705	5.26	0.405	1.27	1.21	6.71



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	456	14.2	1.16	0.019
Sysmex XN-L Series Calculated Dedicated Reagent	347	14.1	1.28	0.024
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	145	15.5	1.83	0.059
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	125	15.3	4.48	0.153
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	116	9.92	3.33	0.077
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	111	14.8	2.00	0.071
Sysmex XS Series Calculated Dedicated Reagent	82	14.8	1.24	0.051
Mindray BC-6000 Series Calculated Mindray Hematology Reagent	76	15.4	0.996	0.044
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	72	15.1	10.1	0.452



RDW  
CYCLE 17 : 10  
SAMPLE



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INDIA

### Red Blood Cells Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



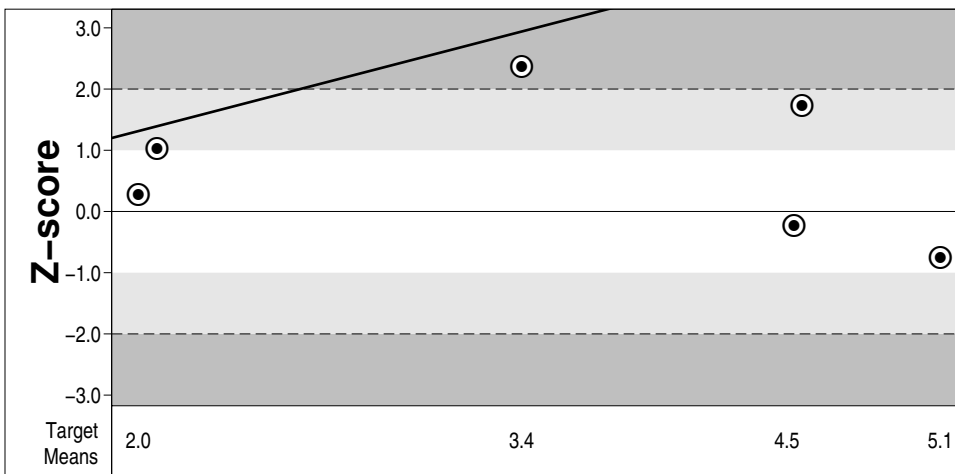
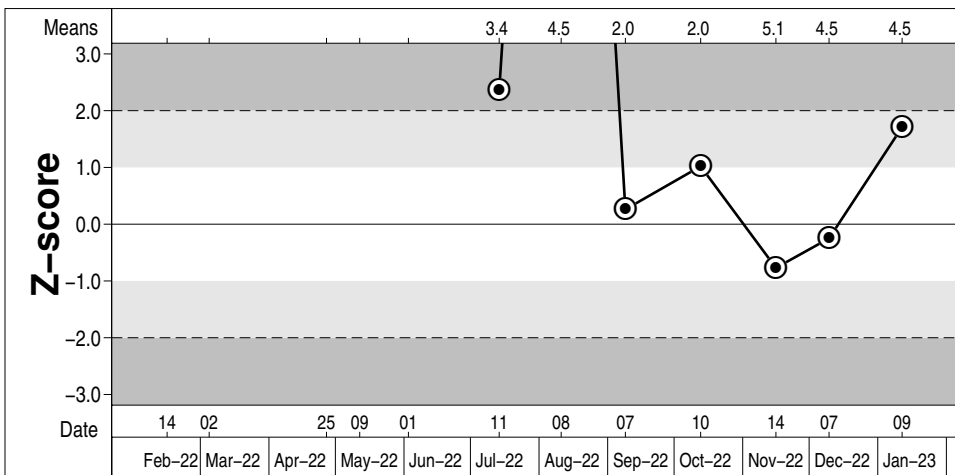
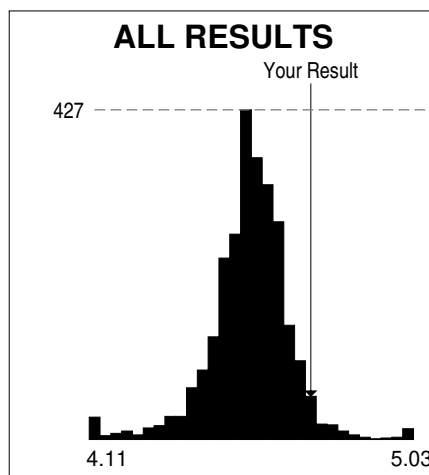
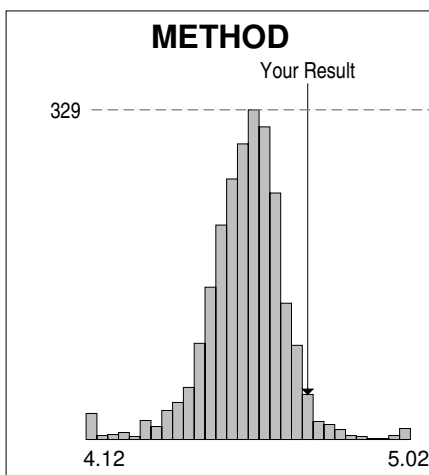
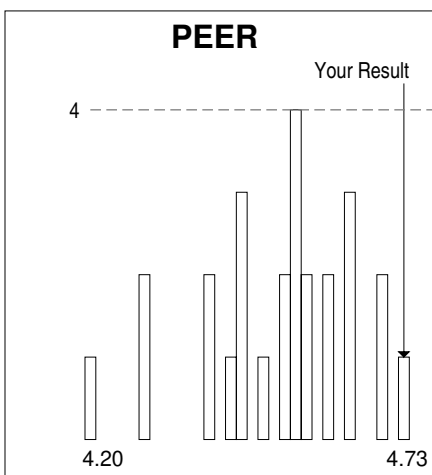
Horiba ABX Micros ES 60

Your Result  
**4.73 M/ $\mu$ L**

#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ All Results	2732	4.57	0.092	2.02	0.004	1.73	3.53	3.50
■ Your Method	2441	4.57	0.090	1.97	0.005	1.75	3.81	3.45
● Your Peer	26	4.53	0.119	2.63	0.058	1.71	3.51	4.50



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	470	4.62	1.32	0.007
Sysmex XN-L Series Electrical impedance Dedicated Reagent	373	4.59	1.34	0.008
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	166	4.50	2.41	0.021
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	154	4.51	1.39	0.013
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	128	4.50	2.48	0.025
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	115	4.62	1.79	0.019
Sysmex XS Series Electrical impedance Dedicated Reagent	92	4.59	1.60	0.019
Mindray BC-6000 Series Electrical impedance Mindray Hematology Reagent	82	4.61	1.91	0.024
Sysmex XP-100 Electrical impedance Dedicated Reagent	77	4.51	1.36	0.017

**Red Blood Cells 17 : 10**  
CYCLE SAMPLE



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INDIA

### WBC Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



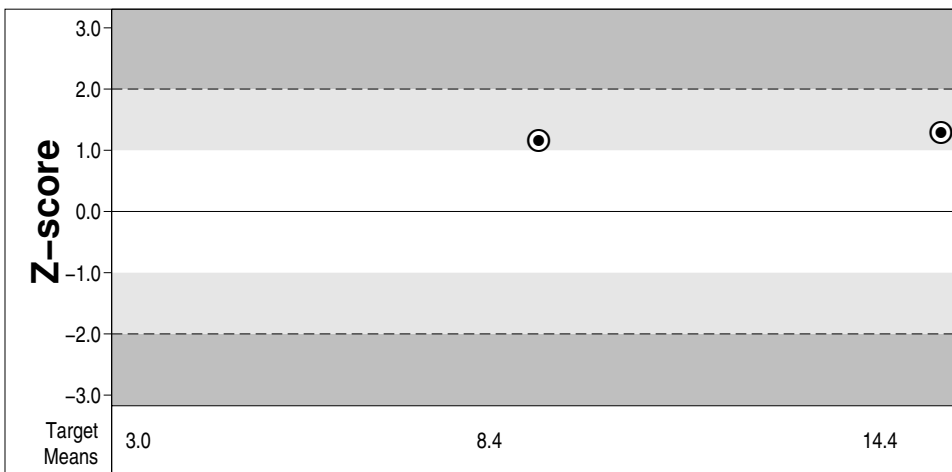
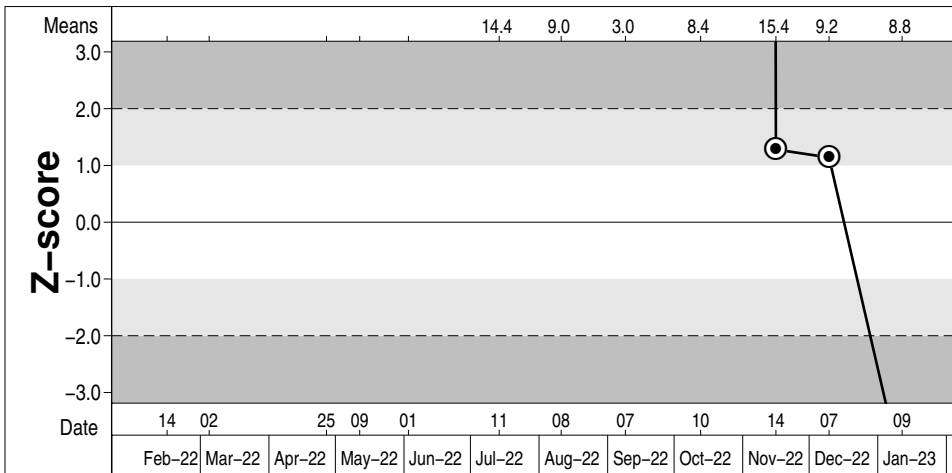
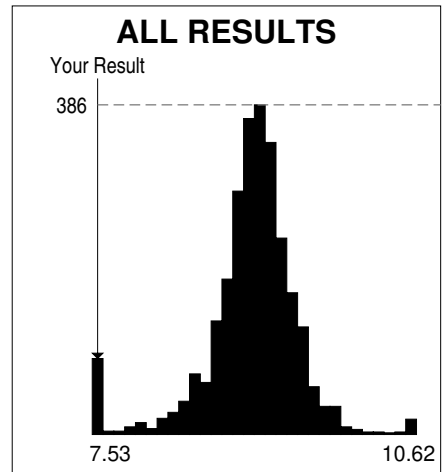
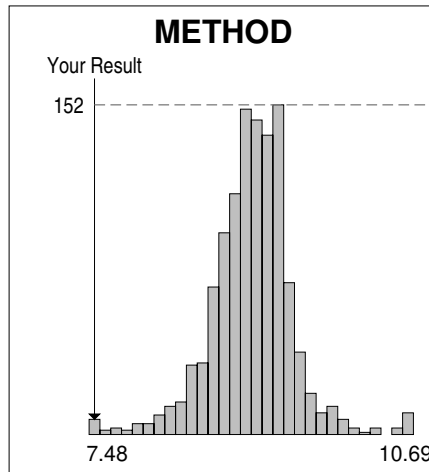
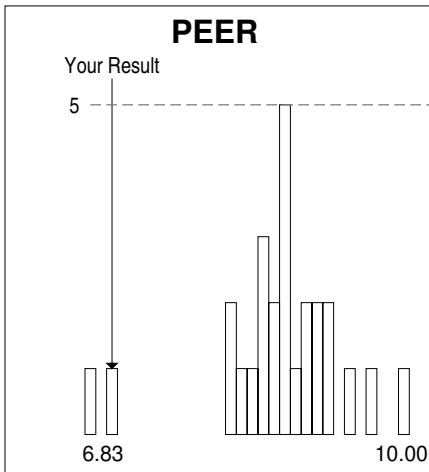
Horiba ABX Micros ES 60

Your Result  
**7.05 K/ $\mu$ L**

#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ All Results	2729	9.08	0.309	3.41	0.015	-6.55	13472	-22.3
■ Your Method	1160	9.08	0.320	3.52	0.023	-6.36	11584	-22.4
● Your Peer	26	8.80	0.395	4.48	0.193	-4.43	9903	-19.9



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Light scattering Dedicated Reagent	461	9.01	2.21	0.023
Sysmex XN-L Series Light scattering Dedicated Reagent	371	9.28	2.27	0.027
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	165	9.36	2.78	0.051
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	141	8.76	4.96	0.091
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	136	8.99	2.58	0.050
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	115	9.12	3.14	0.067
Sysmex XS Series Light scattering Dedicated Reagent	92	9.29	2.83	0.069
Mindray BC-6000 Series Light scattering Mindray Hematology Reagent	82	8.95	2.19	0.054
Sysmex XP-100 Electrical impedance Dedicated Reagent	78	9.13	2.70	0.070

**WBC 17 : 10**  
CYCLE SAMPLE



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INDIA

Data on File Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



Sample Numbers

Analyte Unit	1	2	3	4	5	6	7	8	9	10	11	12
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1

1

Instrument: Horiba ABX Micros ES 60

HCT	%	-	-	-	31	43.1	18.6	15.6	45.1	37.3	39.6	
HGB	g/dL	-	-	-	10.3	13.8	6.1	5.2	15.7	13.1	13.9	
MCH	pg/cell	-	-	-	457	341	483	401	507	473	29.6	
MCHC	g/dL	-	-	-	33.3	32.1	32.4	33.5	35.8	35.2	35.4	
MCV	fL (cubic µm)	-	-	-	85	66	93	74.1	88	83.6	83.7	
MPV	fL (cubic µm)	-	-	-	8.2	7.3	8.6	8.3	7.9	9.6	11.2	
PLT	G/L (1E+9/L)	-	-	-	4.31	3.03	0.56	4.15	233	297	294	
RDW	%	-	-	-	12.5	13.1	13.7	14.2	12.6	15.5	14.3	
RBC	M/µL	-	-	-	3.64	6.53	1.98	2.1	4.99	4.47	4.73	
WBC	K/µL	-	-	-	14400	9100	3200	9000	16.2	9.56	7.05	

Legend: ✓ No Warnings 1 Late Results 2.0 ≤ |Z-score| < 3.0 |Z-score| ≥ 3.0 - No Result

\* Amended Result (per participant's request)



**Lab 311009**

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**Sample Comments  
Hematology Program**

**Cycle 17**

Apr 2022 – Mar 2023  
Sample No: 10  
Sample Date: 09 Jan 23  
Lot No: 261600



**Sample Comments**

Reporting WBC Counts, Sysmex Instrument Model

To report EQAS proficiency survey data for the WBC count, on the following Sysmex models, please run in CBC/PATIENT mode.

The Sysmex measuring method is flow cytometry using laser.

The equivalent EQAS reporting method is Light Scattering.

Sysmex Model–XN

Analysis Mode–CBC / Patient

Report: TNC–N from WNR channel

Sysmex Model–XN–L

Analysis Mode–CBC / Patient

Report: Total WBC from WDF channel

Sysmex Model–XS

Analysis Mode–CBC / Patient

Report: Total WBC from histogram

Sysmex Model–XT

Analysis Mode–CBC / Patient

Report: Total WBC from WBC/BASO channel

Sysmex Model–XE

Analysis Mode–CBC / Patient

Report: Total WBC from WBC/BASO channel

There is no WBC differential for EQAS reporting.

Reporting WBC Counts, Siemens ADVIA 120/2120

To report EQAS proficiency survey data, which reports the WBC count only, please run in the PATIENT mode, CBC mode.

The recommended method configuration is Light Scattering.

The ADVIA literature mentions Flow Cytometry as the measuring method.

Light Scattering is the Unity/EQAS method that enables comparison of values across different manufacturers models.