

### Exceptions

Analyte	Instrument	Result	Unit	Z-score	Comparator
▼ Hematocrit	Horiba Yumizen H500/550	18.1	%	2.06	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



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: 273379**

**Attn: DR. AMITA YADAV  
PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B, RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA**

**Lab 273379**

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA

**Configuration Report  
Hematology Program****Cycle 17**

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600

**Selected Options:**

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

**Instrument**

3281 – Horiba Yumizen H550

Analyte	Method	Reagent	Unit
297 HCT	103 Calculated	1967 Horiba-ABX Hematology Reagent	93 %
296 HGB	004 Colorimetric	1967 Horiba-ABX Hematology Reagent	15 g/dL
351 MCH	103 Calculated	1967 Horiba-ABX Hematology Reagent	24 pg/cell
352 MCHC	103 Calculated	1967 Horiba-ABX Hematology Reagent	15 g/dL
307 MCV	094 Electrical impedance	1967 Horiba-ABX Hematology Reagent	23 fL (cubic $\mu\text{m}$ )
363 MPV	094 Electrical impedance	1967 Horiba-ABX Hematology Reagent	23 fL (cubic $\mu\text{m}$ )
356 PLT	094 Electrical impedance	1967 Horiba-ABX Hematology Reagent	21 K/ $\mu\text{L}$
295 RBC	094 Electrical impedance	1967 Horiba-ABX Hematology Reagent	20 M/ $\mu\text{L}$
355 RDW	103 Calculated	1967 Horiba-ABX Hematology Reagent	93 %
294 WBC	094 Electrical impedance	1967 Horiba-ABX Hematology Reagent	21 K/ $\mu\text{L}$



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INDIA

Sample Summary Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
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Instrument: Horiba Yumizen H500/550

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
▼ Hematocrit	%	18.1	17.1	2.06	2.06	Peer
✓ Hemoglobin, Total	g/dL	6.1	6.03	0.58	0.58	Peer
✓ MCH	pg/cell	30	30.8	-1.00	-1.00	Peer
✓ MCHC	g/dL	33.8	35.1	-1.41	-1.41	Peer
✓ MCV	fL (cubic µm)	88.7	87.2	0.66	0.66	Peer
✓ MPV	fL (cubic µm)	11.2	11.0	0.14	0.14	Peer
✓ Platelets	K/µL	60	53.4	0.70	0.70	Peer
✓ RDW	%	14.4	13.9	0.41	0.41	Peer
✓ Red Blood Cells	M/µL	2.04	1.97	1.61	1.61	Peer
✓ WBC	K/µL	2.92	2.88	0.27	0.27	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 273379

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### Hematocrit Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
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Lot No: 261600



Horiba Yumizen H500/550

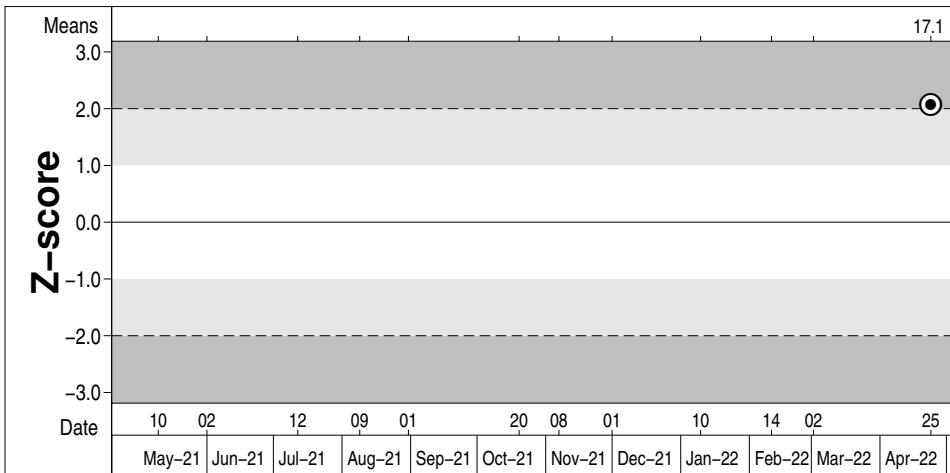
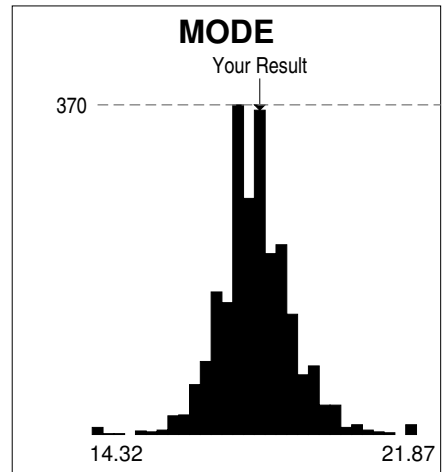
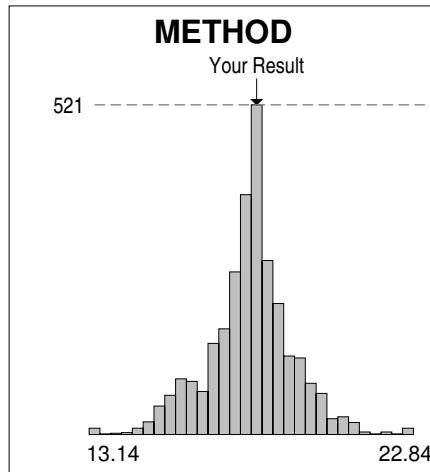
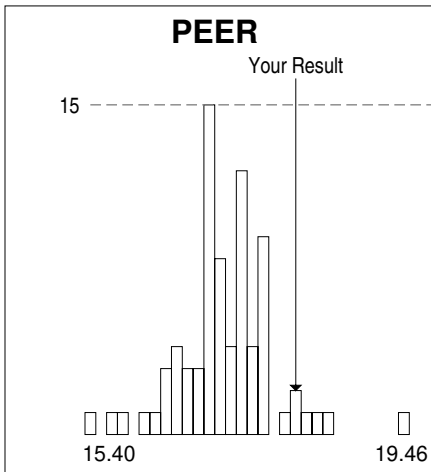
Your Result  
**18.1 %**

- ◆ Your Mode
- Your Method
- Your Peer

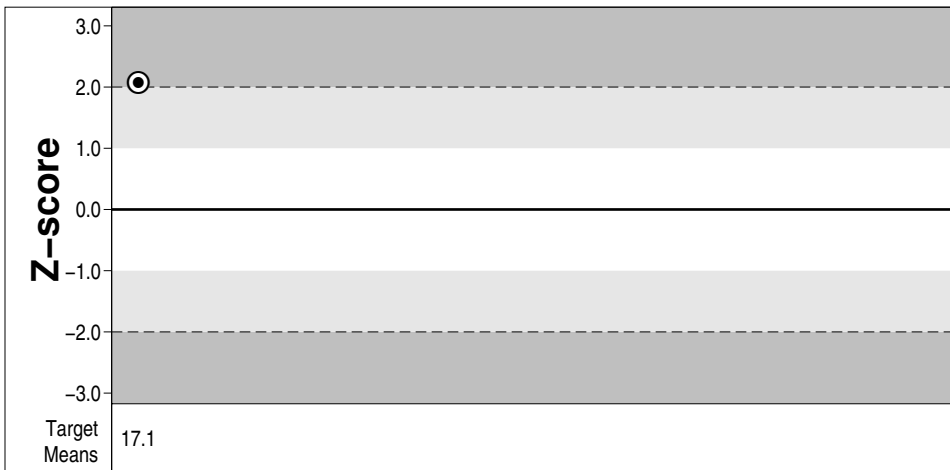
#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2311	18.1	0.755	4.18	0.039	0.01	0.01	0.028
Your Method	2826	18.0	0.970	5.39	0.046	0.11	0.11	0.619
Your Peer	77	17.1	0.464	2.71	0.132	2.06	2.06	5.58



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	427	18.0	2.37	0.052
Sysmex XN-L Series Calculated Dedicated Reagent	320	18.0	2.78	0.070
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	188	16.1	3.35	0.098
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	169	18.4	2.57	0.091
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	142	15.7	3.18	0.105
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	139	18.0	1.69	0.065
Sysmex XP-100 Calculated Dedicated Reagent	115	17.5	3.24	0.132
Sysmex XS Series Calculated Dedicated Reagent	113	18.8	2.57	0.113
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	77	17.1	2.71	0.132



**Hematocrit 17 : 1**  
CYCLE SAMPLE



Lab 273379

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B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
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INDIA

### Hemoglobin, Total Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



Horiba Yumizen H500/550

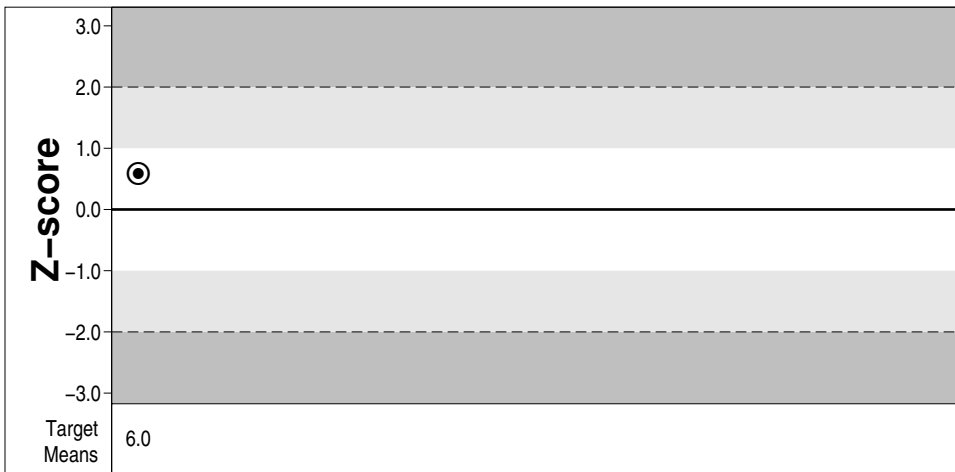
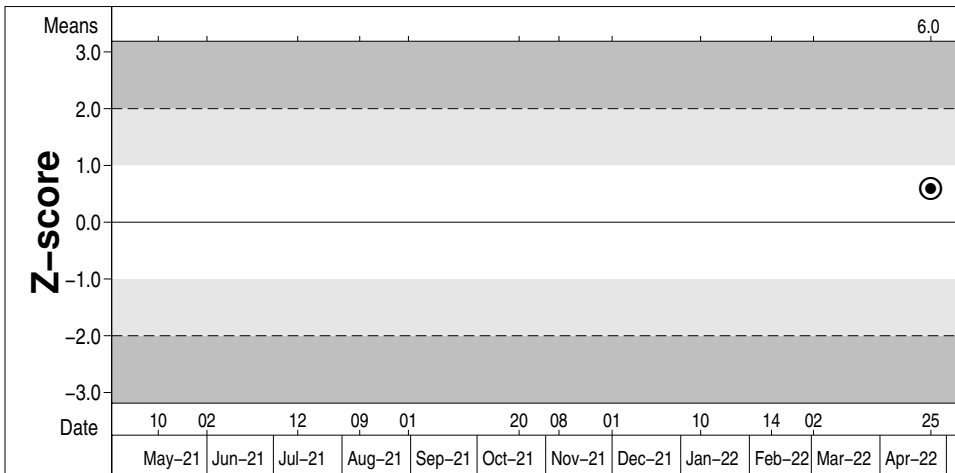
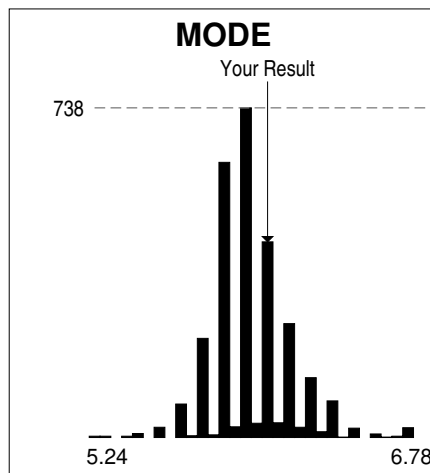
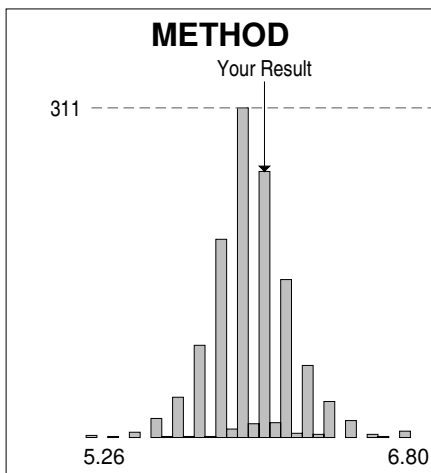
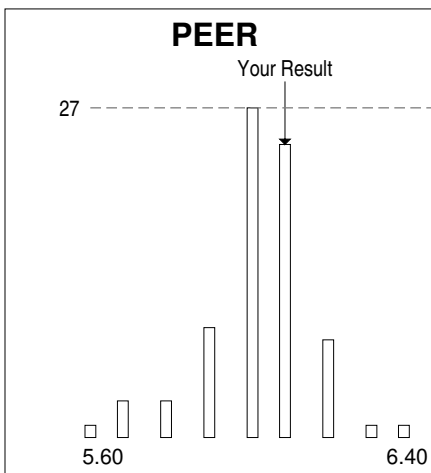
Your Result  
**6.1 g/dL**

- ◆ Your Mode
- Your Method
- ◎ Your Peer

#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2792	6.01	0.153	2.55	0.007	0.57	0.57	1.46
Your Method	1222	6.03	0.153	2.54	0.011	0.45	0.45	1.13
Your Peer	77	6.03	0.116	1.92	0.033	0.58	0.58	1.12



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Photometric Dedicated Reagent	328	5.97	1.50	0.012
Sysmex XN-L Series Photometric Dedicated Reagent	238	5.92	1.42	0.014
Mindray BC-20/20s/30/30s (BeneSpher... Colorimetric Dedicated Reagent	155	6.14	2.11	0.026
Beckman Coulter UniCel DxH Series Photometric Dedicated Reagent	141	5.93	1.48	0.018
Siemens ADVIA 120/2120/2120i Photometric Dedicated Reagent	136	6.29	1.76	0.024
Sysmex XN 1000/2000/3000/9000 Colorimetric Dedicated Reagent	116	5.99	1.63	0.023
Abbott CELL-DYN Ruby Photometric Dedicated Reagent	112	6.13	1.95	0.028
Sysmex XP-100 Colorimetric Dedicated Reagent	83	5.90	2.52	0.041
Sysmex XN-L Series Colorimetric Dedicated Reagent	83	5.90	1.61	0.026

**Hemoglobin, Total 17 : 1**  
CYCLE SAMPLE



Lab 273379

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INDIA

MCH Report  
Hematology Program

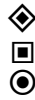
Cycle 17

Apr 2022 – Mar 2023  
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Lot No: 261600



Horiba Yumizen H500/550

Your Result  
**30 pg/cell**

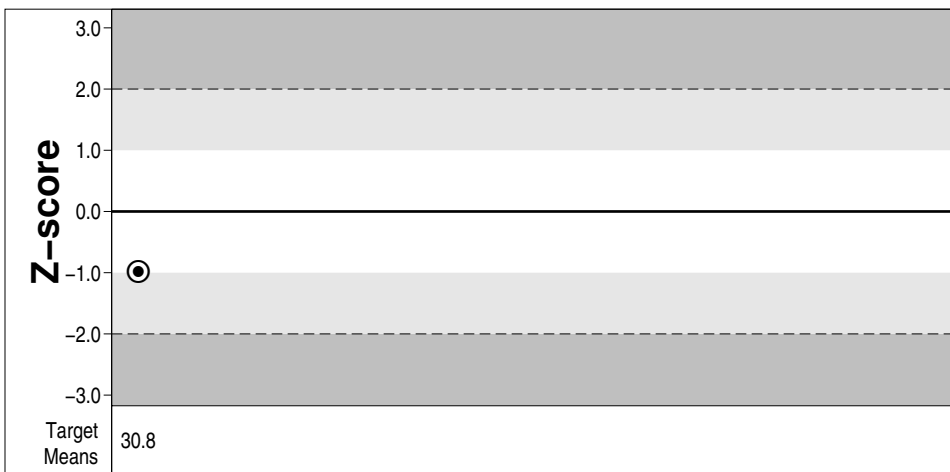
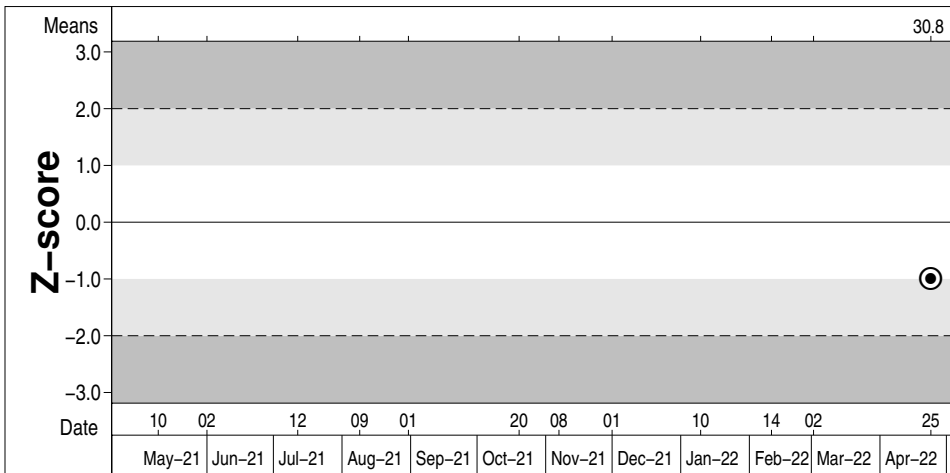
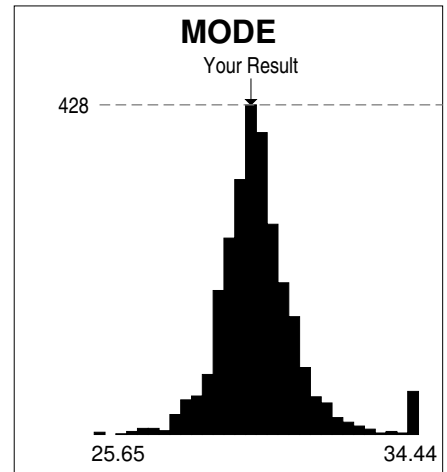
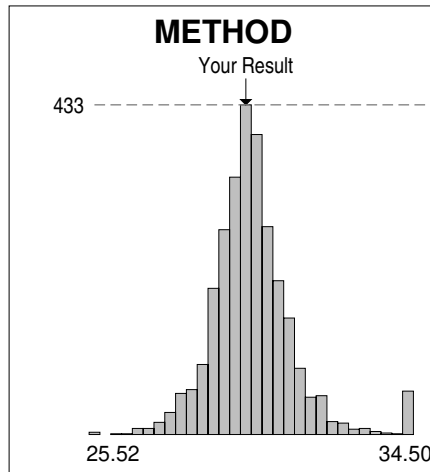
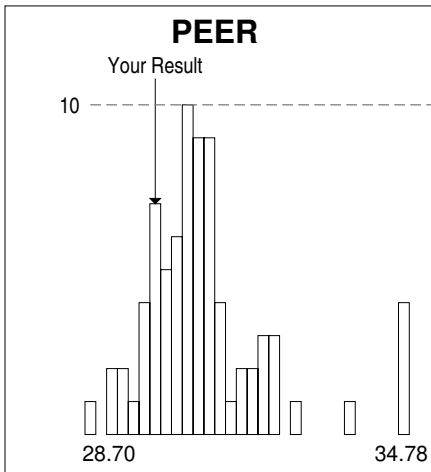


Your Mode  
Your Method  
Your Peer

Comparative Statistics

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2741	30.0	0.879	2.93	0.042	-0.05	-0.05	-0.140
Your Method	2823	30.0	0.898	2.99	0.042	-0.01	-0.01	-0.040
Your Peer	77	30.8	0.797	2.59	0.227	-1.00	-1.00	-2.58

Your Deviation



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	427	29.9	1.55	0.056
Sysmex XN-L Series Calculated Dedicated Reagent	315	30.1	1.89	0.080
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	190	30.8	2.64	0.147
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	167	30.9	2.46	0.147
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	144	30.4	3.10	0.196
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	134	30.1	1.50	0.098
Sysmex XP-100 Calculated Dedicated Reagent	118	29.0	2.77	0.185
Sysmex XS Series Calculated Dedicated Reagent	110	29.8	1.86	0.132
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	77	30.8	2.59	0.227

MCH 17 : 1  
CYCLE SAMPLE



Lab 273379

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MCHC Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
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Horiba Yumizen H500/550

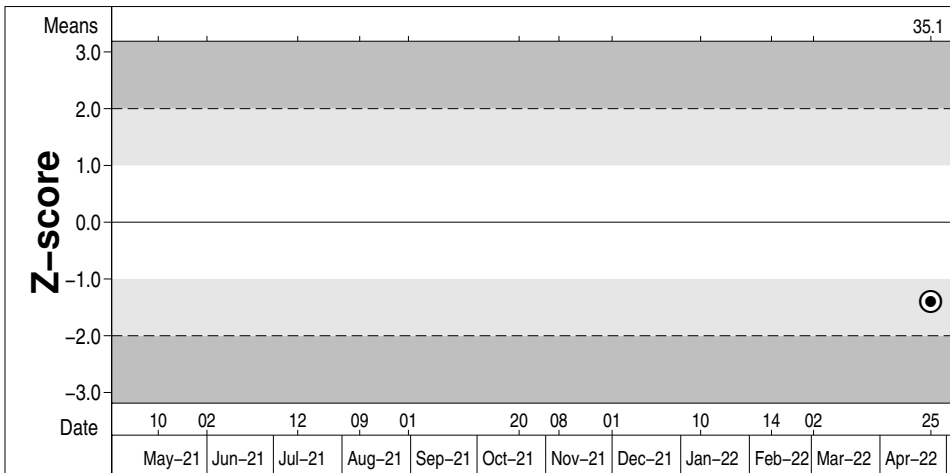
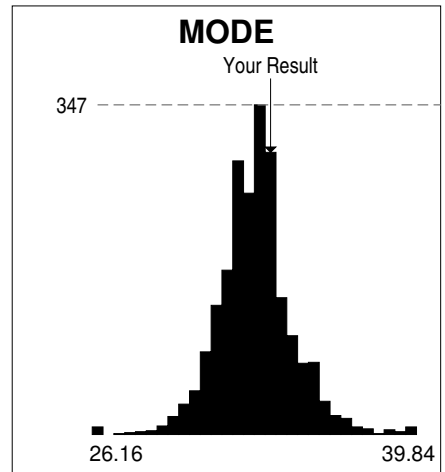
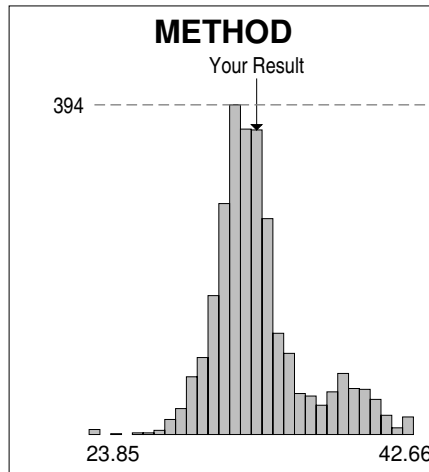
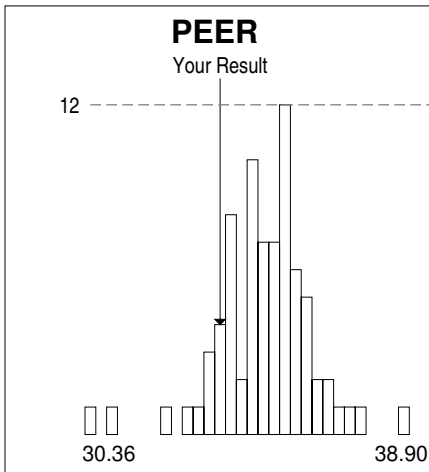
Your Result  
**33.8 g/dL**

- ◆ Your Mode
- Your Method
- Your Peer

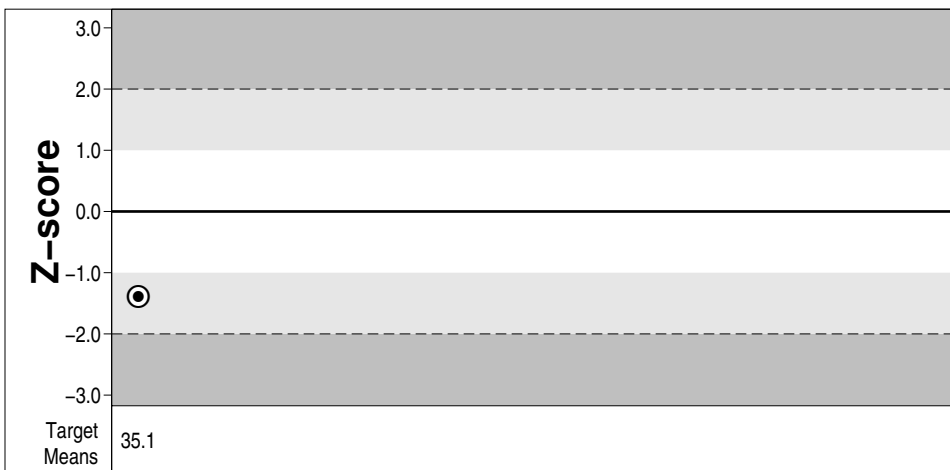
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	2208	33.0	1.37	4.15	0.073	0.59	0.59	2.43
Your Method	2724	33.3	1.88	5.66	0.090	0.29	0.29	1.63
Your Peer	77	35.1	0.957	2.72	0.273	-1.41	-1.41	-3.82



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	469	33.2	2.32	0.089
Sysmex XN-L Series Calculated Dedicated Reagent	320	32.8	2.45	0.112
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	189	39.1	3.29	0.234
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	147	39.0	3.79	0.305
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	133	33.0	1.87	0.134
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	128	33.3	3.59	0.264
Sysmex XP-100 Calculated Dedicated Reagent	113	33.6	3.76	0.298
Sysmex XS Series Calculated Dedicated Reagent	111	31.5	2.89	0.216
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	77	35.1	2.72	0.273



MCHC 17 : 1  
CYCLE SAMPLE



Lab 273379

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INDIA

MCV Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
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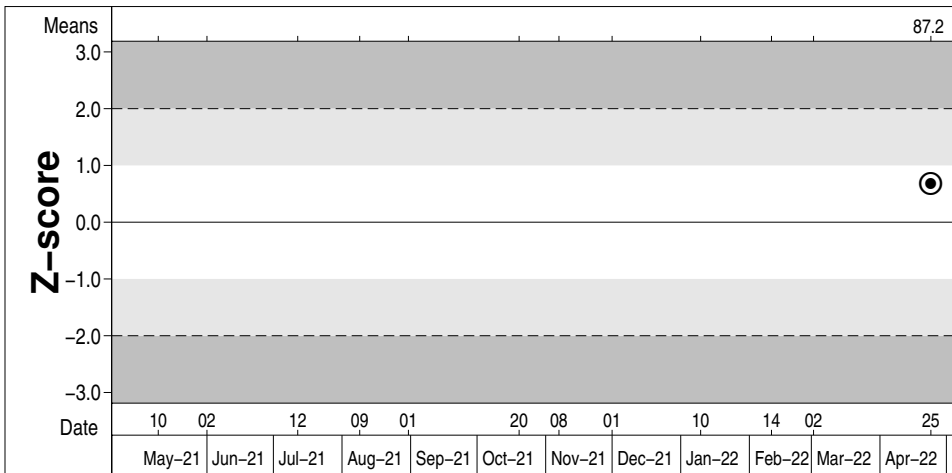
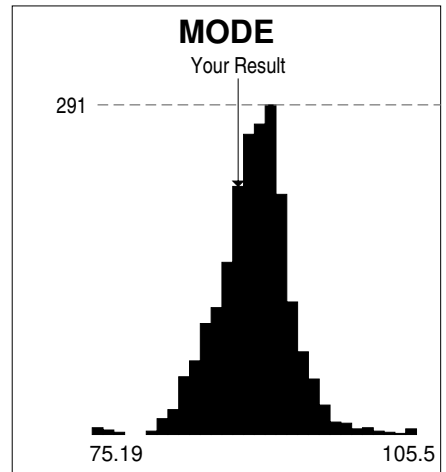
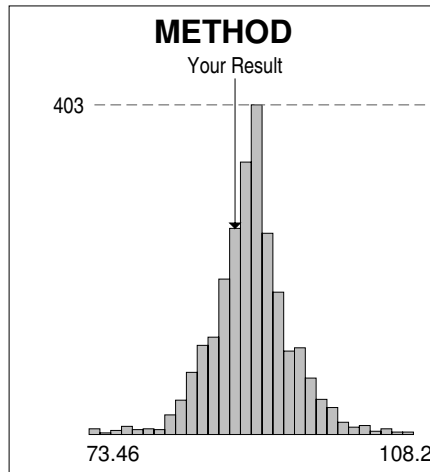
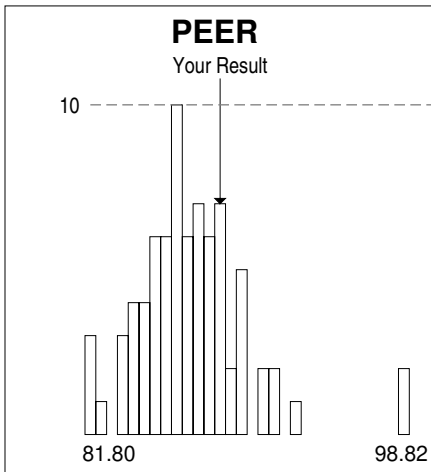


Horiba Yumizen H500/550

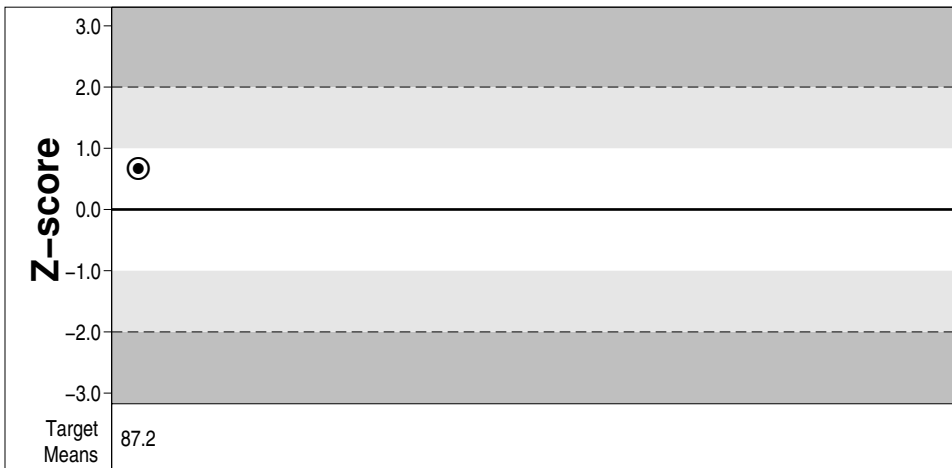
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
<b>Your Result</b> <b>88.7 fL (cubic μm)</b>								
◆ Your Mode	2098	90.4	3.03	3.36	0.166	-0.54	-0.54	-1.83
▣ Your Method	2416	90.9	3.48	3.83	0.177	-0.62	-0.62	-2.37
◎ Your Peer	77	87.2	2.33	2.68	0.664	0.66	0.66	1.76



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	429	90.0	1.78	0.194
Sysmex XN-L Series Electrical impedance Dedicated Reagent	321	91.6	2.06	0.263
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	176	78.7	2.57	0.381
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	151	92.8	1.49	0.282
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	136	91.2	1.33	0.261
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	134	77.9	2.69	0.452
Sysmex XP-100 Electrical impedance Dedicated Reagent	111	86.0	2.15	0.439
Sysmex XS Series Electrical impedance Dedicated Reagent	98	94.2	2.39	0.569
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	77	87.2	2.68	0.664



MCV 17 : 1  
CYCLE SAMPLE





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INDIA

MPV Report  
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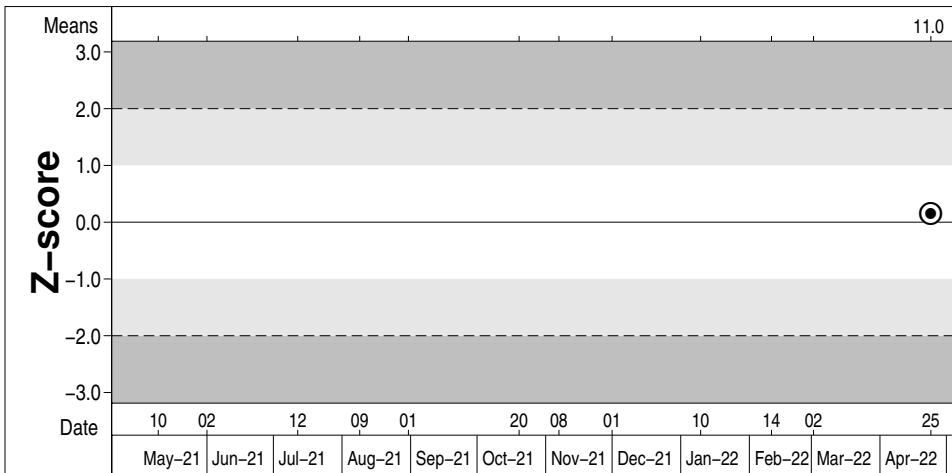
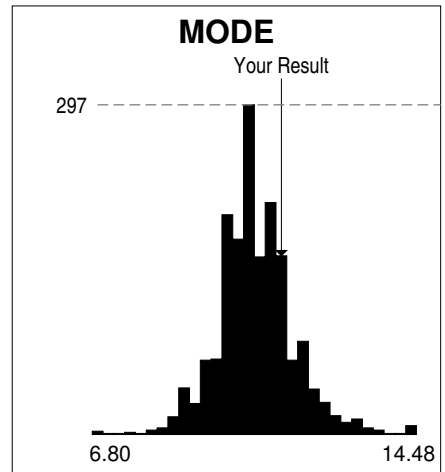
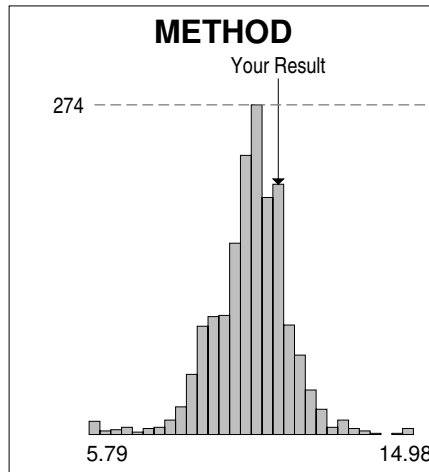
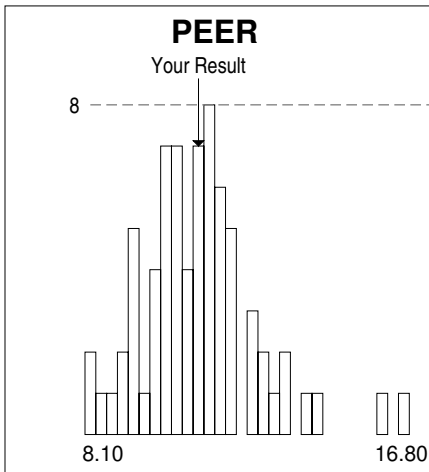


Horiba Yumizen H500/550

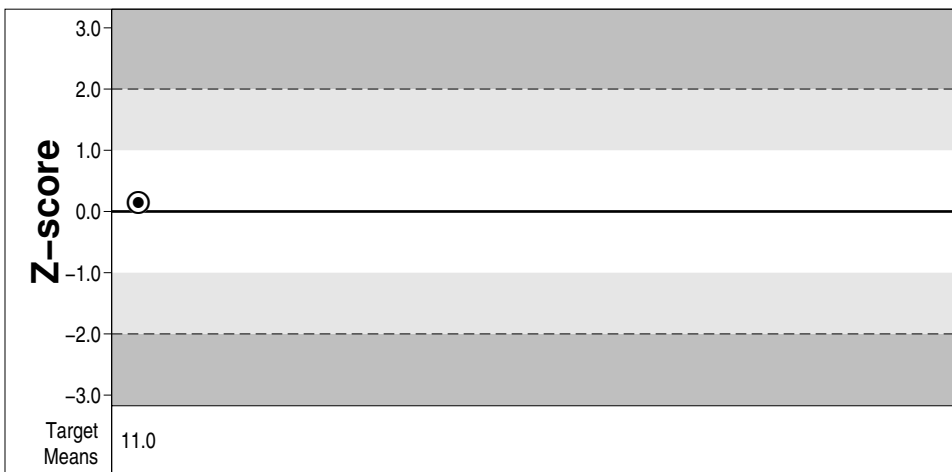
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
<b>Your Result</b> <b>11.2 fL (cubic μm)</b>								
◆ Your Mode	1723	10.6	0.767	7.21	0.046	0.73	0.73	5.26
▣ Your Method	1727	10.4	0.919	8.85	0.055	0.89	0.89	7.84
◎ Your Peer	72	11.0	1.21	11.0	0.357	0.14	0.14	1.57



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	398	10.7	4.54	0.061
Sysmex XN-L Series Electrical impedance Dedicated Reagent	275	11.0	6.89	0.114
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	136	11.3	7.14	0.174
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	106	5.23	11.4	0.145
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	98	9.28	5.77	0.135
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	94	10.4	4.18	0.112
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	72	11.0	11.0	0.357
Sysmex XP-100 Electrical impedance Dedicated Reagent	70	10.1	6.66	0.202
Sysmex XS Series Electrical impedance Dedicated Reagent	57	10.6	5.15	0.181



MPV  
CYCLE SAMPLE  
17 : 1



Lab 273379

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
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### Platelets Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
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Lot No: 261600



Horiba Yumizen H500/550

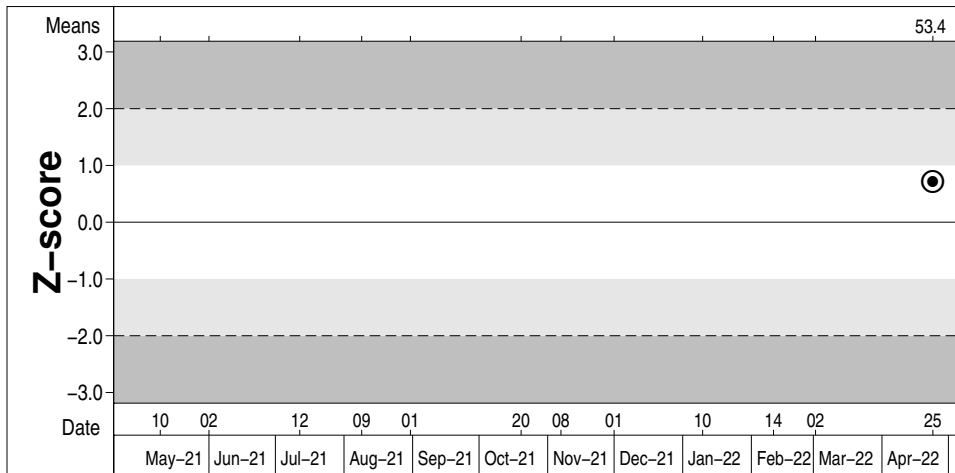
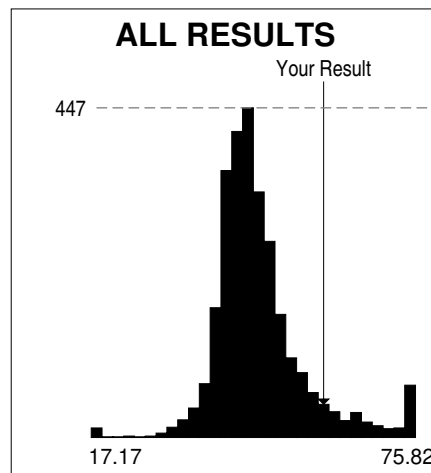
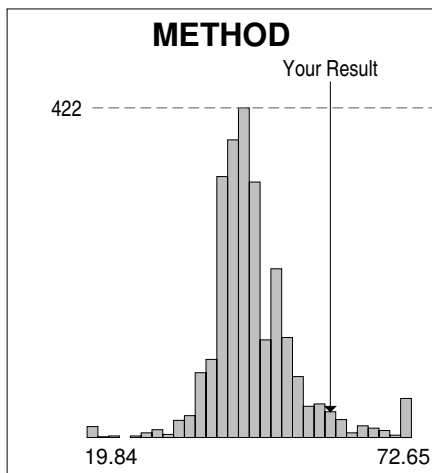
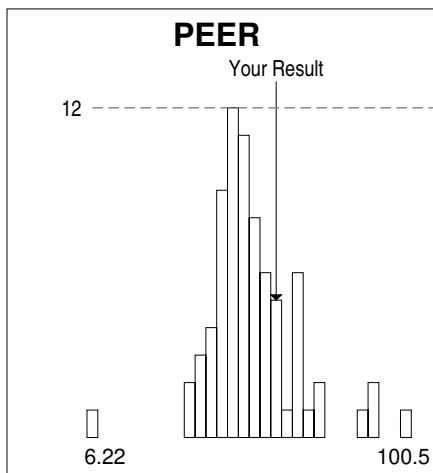
Your Result  
**60 K/ $\mu$ L**

- All Results
- Your Method
- Your Peer

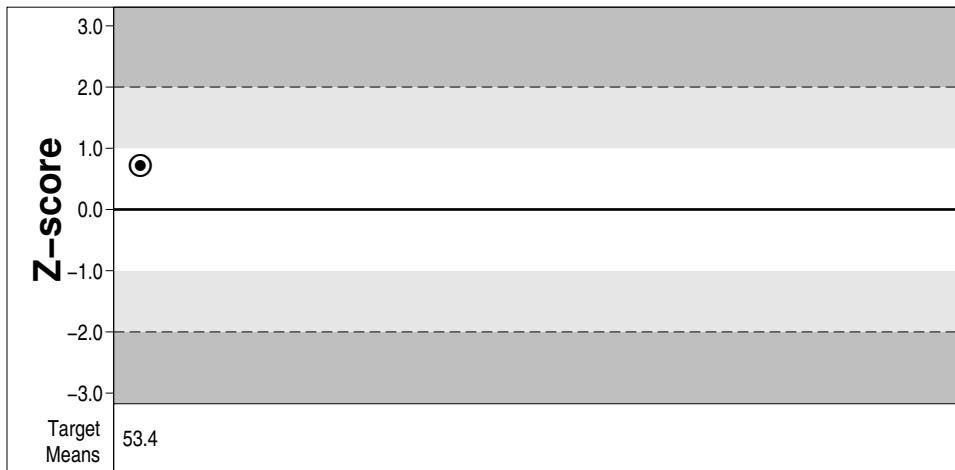
#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
All Results	2870	46.5	5.86	12.6	0.274	2.30	2.30	29.1
Your Method	2517	46.2	5.28	11.4	0.263	2.60	2.60	29.7
Your Peer	75	53.4	9.43	17.7	2.72	0.70	0.70	12.4



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	434	43.0	6.95	0.359
Sysmex XN-L Series Electrical impedance Dedicated Reagent	319	45.3	8.70	0.551
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	173	40.9	11.1	0.865
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	170	45.4	6.67	0.581
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	144	48.1	6.62	0.663
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	129	65.2	13.1	1.88
Sysmex XP-100 Electrical impedance Dedicated Reagent	118	44.8	9.06	0.935
Sysmex XS Series Electrical impedance Dedicated Reagent	115	44.1	7.44	0.765
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	75	53.4	17.7	2.72



**Platelets 17 : 1**  
CYCLE SAMPLE



Lab 273379

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA

RDW Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



Horiba Yumizen H500/550

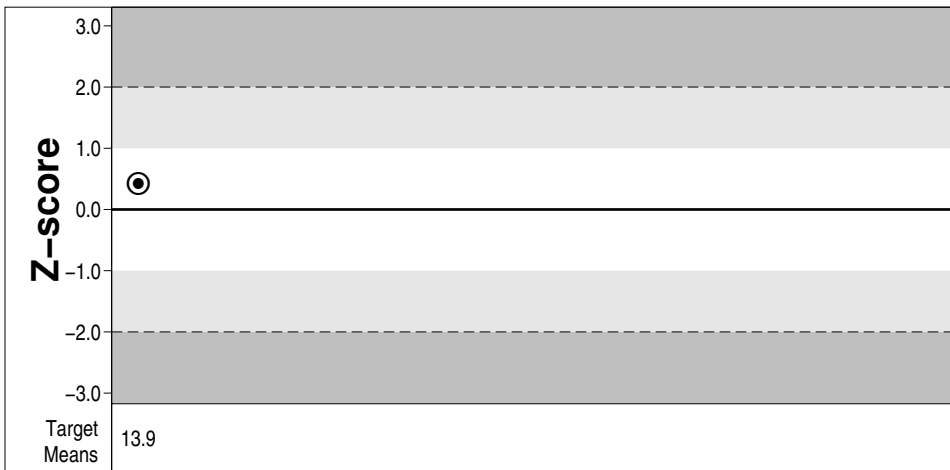
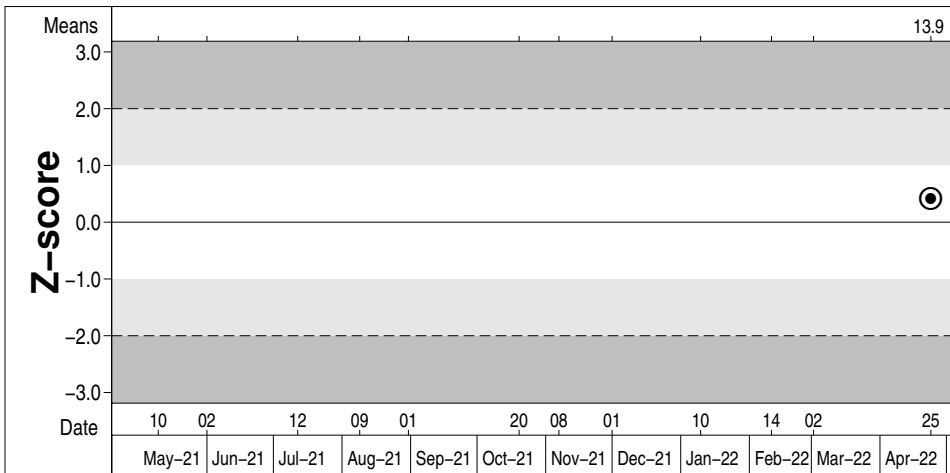
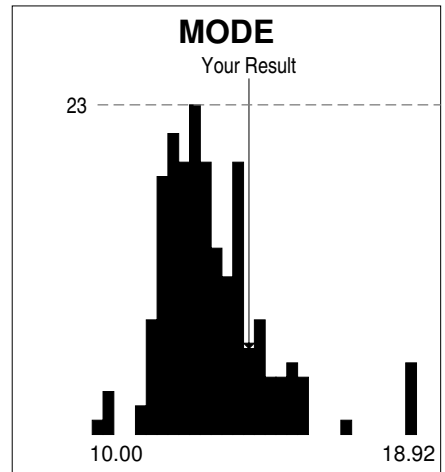
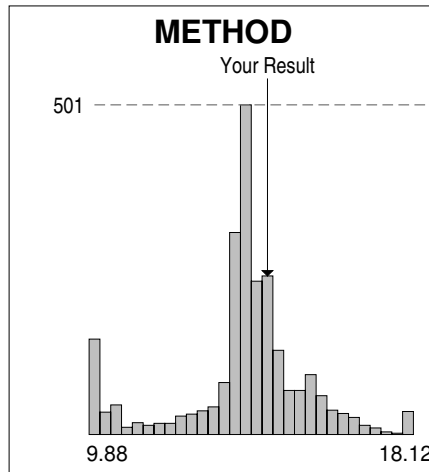
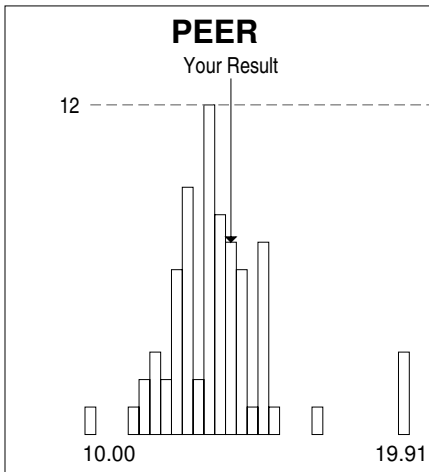
Your Result  
**14.4 %**

- Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
Your Mode	194	13.1	1.16	8.84	0.208	1.11	1.11	9.78
Your Method	2371	14.0	0.824	5.89	0.042	0.48	0.48	2.85
Your Peer	72	13.9	1.20	8.63	0.354	0.41	0.41	3.53



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Calculated Dedicated Reagent	413	13.9	1.81	0.031
Sysmex XN-L Series Calculated Dedicated Reagent	288	13.9	2.17	0.044
Siemens ADVIA 120/2120/2120i Calculated Dedicated Reagent	171	15.6	3.55	0.106
Abbott CELL-DYN Ruby Calculated Dedicated Reagent	140	10.5	4.71	0.105
Beckman Coulter UniCel DxH Series Calculated Dedicated Reagent	134	14.5	1.77	0.055
Mindray BC-20/20s/30/30s (BeneSpher... Calculated Dedicated Reagent	107	13.7	2.00	0.066
Sysmex XS Series Calculated Dedicated Reagent	105	14.2	2.29	0.079
Horiba Yumizen H500/550 Calculated Horiba-ABX Hematology Reagent	72	13.9	8.63	0.354
Mindray BC-6000 Series Calculated Mindray Hematology Reagent	65	14.3	2.08	0.092

RDW  
CYCLE SAMPLE  
17 : 1



Lab 273379

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA

### Red Blood Cells Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



Horiba Yumizen H500/550

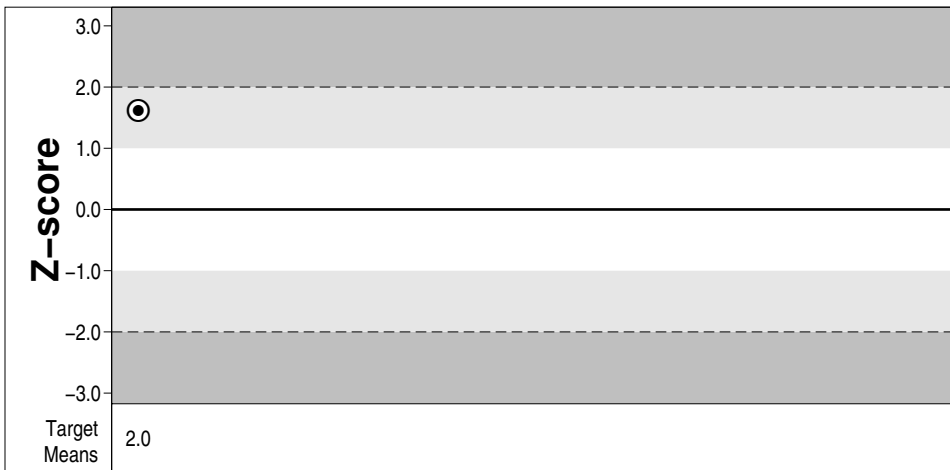
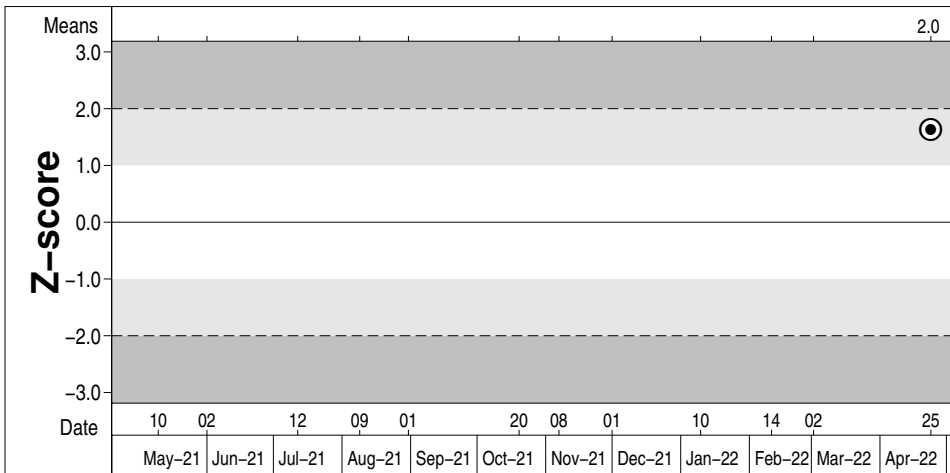
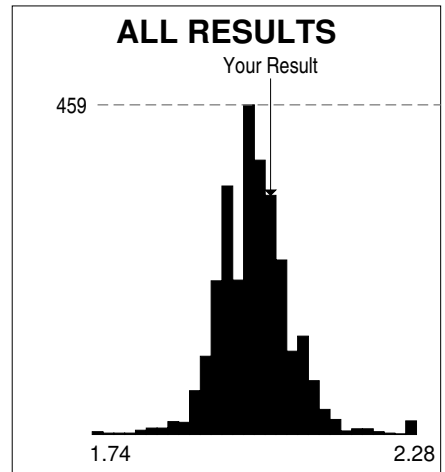
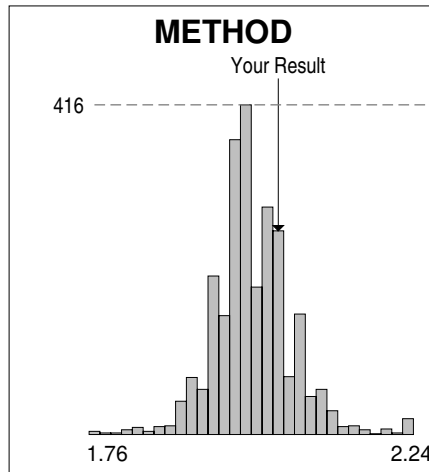
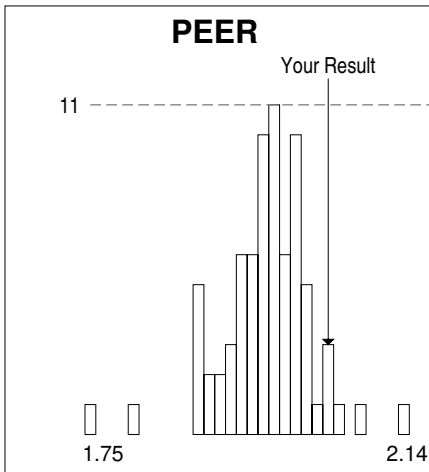
Your Result  
**2.04 M/ $\mu$ L**

- ◆ All Results
- Your Method
- ◎ Your Peer

#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ All Results	2862	2.01	0.054	2.69	0.003	0.63	0.63	1.69
■ Your Method	2504	2.00	0.049	2.42	0.002	0.78	0.78	1.89
◎ Your Peer	75	1.97	0.044	2.25	0.013	1.61	1.61	3.62



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Electrical impedance Dedicated Reagent	427	2.00	1.52	0.004
Sysmex XN-L Series Electrical impedance Dedicated Reagent	319	1.97	1.58	0.004
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	178	2.04	2.18	0.008
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	169	1.98	2.20	0.008
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	139	1.97	1.51	0.006
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	129	2.02	2.33	0.010
Sysmex XP-100 Electrical impedance Dedicated Reagent	116	2.03	1.54	0.007
Sysmex XS Series Electrical impedance Dedicated Reagent	115	2.00	1.58	0.007
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	75	1.97	2.25	0.013

**Red Blood Cells 17 : 1**  
CYCLE SAMPLE



Lab 273379

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA

### WBC Report Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



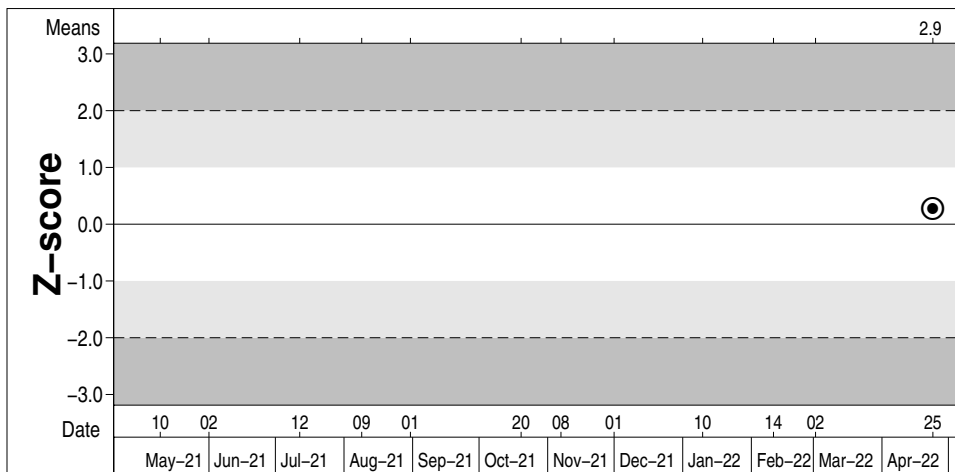
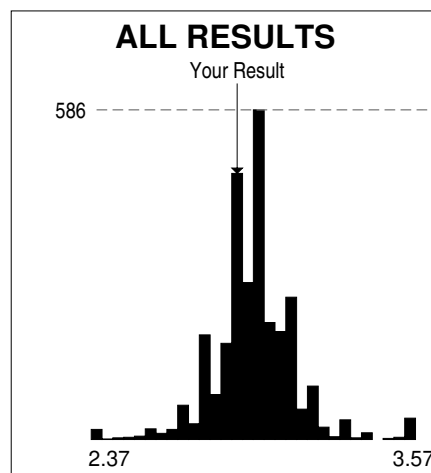
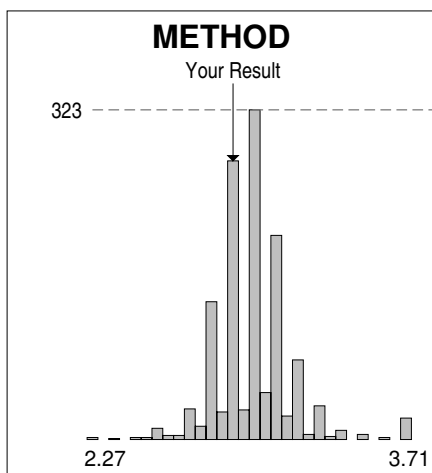
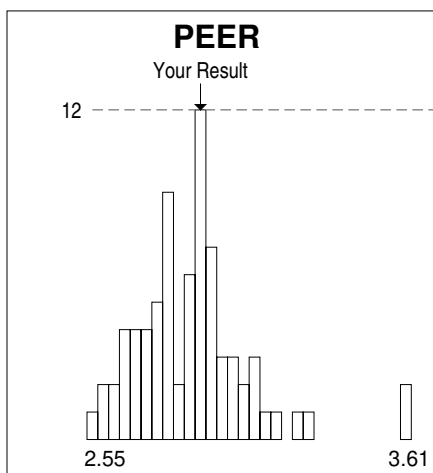
Horiba Yumizen H500/550

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

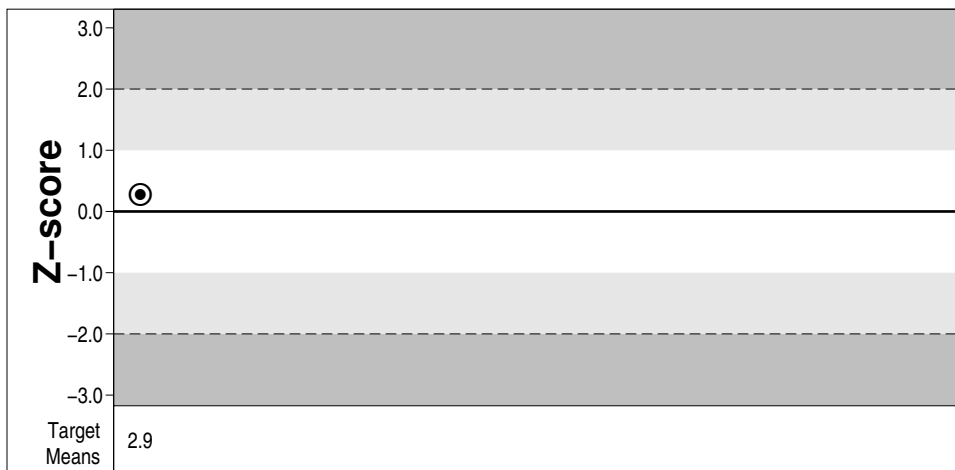
#### Comparative Statistics

#### Your Deviation

	N	Mean	SD	CV	U <sup>1</sup>	Z-score	RMZ	%
◆ All Results	2867	2.97	0.120	4.05	0.006	-0.41	-0.41	-1.68
■ Your Method	1281	2.99	0.145	4.84	0.010	-0.48	-0.48	-2.32
● Your Peer	75	2.88	0.146	5.05	0.042	0.27	0.27	1.38



	N	Mean	CV	U <sup>1</sup>
Sysmex XN 1000/2000/3000/9000 Light scattering Dedicated Reagent	418	2.96	2.37	0.009
Sysmex XN-L Series Light scattering Dedicated Reagent	320	2.97	3.15	0.013
Siemens ADVIA 120/2120/2120i Light scattering Dedicated Reagent	192	2.81	4.18	0.021
Mindray BC-20/20s/30/30s (BeneSpher... Electrical impedance Dedicated Reagent	168	3.11	3.65	0.022
Abbott CELL-DYN Ruby Light scattering Dedicated Reagent	130	3.05	3.34	0.022
Beckman Coulter UniCel DxH Series Electrical impedance Dedicated Reagent	127	2.93	3.15	0.020
Sysmex XP-100 Electrical impedance Dedicated Reagent	118	2.91	4.55	0.031
Sysmex XS Series Light scattering Dedicated Reagent	115	2.98	3.46	0.024
Horiba Yumizen H500/550 Electrical impedance Horiba-ABX Hematology Reagent	75	2.88	5.05	0.042



**WBC 17 : 1**  
CYCLE SAMPLE



Lab 273379

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B,RASHMI NAGAR, BHOJUBIR,  
NEAR BHU EMERGENCY GATE  
VARANASI UTTAR PRADESH 221005  
INDIA

Data on File Report  
Hematology Program

Cycle 17

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



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

Instrument: Horiba Yumizen H550

HCT	%	18.1
✓ HGB	g/dL	6.1
✓ MCH	pg/cell	30
✓ MCHC	g/dL	33.8
✓ MCV	fL (cubic $\mu\text{m}$ )	88.7
✓ MPV	fL (cubic $\mu\text{m}$ )	11.2
✓ PLT	K/ $\mu\text{L}$	60
✓ RDW	%	14.4
✓ RBC	M/ $\mu\text{L}$	2.04
✓ WBC	K/ $\mu\text{L}$	2.92

Legend: ✓ No Warnings    <sup>1</sup> Late Results     $2.0 \leq |Z\text{-score}| < 3.0$      $|Z\text{-score}| \geq 3.0$     - No Result

\* Amended Result (per participant's request)



**Lab 273379**

PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)  
B31/82 A-9-B, RASHMI NAGAR, BHOJUBIR,  
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VARANASI UTTAR PRADESH 221005  
INDIA

**Sample Comments  
Hematology Program**

**Cycle 17**

Apr 2022 – Mar 2023  
Sample No: 1  
Sample Date: 25 Apr 22  
Lot No: 261600



**Sample History**

Please Note: Sample #1 due date is delayed to April 25, 2022

**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.

# EQAS Certificate of Registration

**BIO-RAD**

THIS IS TO CERTIFY THAT:

**PATHKIND DIAGNOSTICS PVT. LTD (VARANASI)**  
**Lab 273379**

HAS REGISTERED TO PARTICIPATE IN EXTERNAL QUALITY ASSESSMENT FOR:

**EQAS Hematology Program**  
**Cycle 17: April 2022 – March 2023**

FOR THE FOLLOWING TESTS:

Hematocrit  
Hemoglobin, Total  
MCH  
MCHC  
MCV  
MPV  
Platelets  
RDW  
Red Blood Cells  
WBC

This certificate is not intended to imply acceptable performance in the above program, only to suggest that participation will be in effect during the stated time.

**Date of Enrollment**  
**07 April 2022**



Bio-Rad Laboratories is fully accredited by the American Association for Laboratory Accreditation (A2LA) to the ISO/IEC 17043:2010 standard.

Azita Mokhtari

Azita Mokhtari, EQAS Program Manager

**Bio-Rad Laboratories**  
**EQAS Program Enrollment**

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