



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230412 and Sample No 03

Report Date : 13/02/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
* Total Leucocytes (WBC) count	Horiba Yumizen H550	2.39	/c.mm	*
Legend @ : z score $\leq$ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated ⌚ : Delayed Result Entry * : Not considered for evaluation.				

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

\_\_\_\_\_

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

\_\_\_\_\_

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

Dated: \_\_\_\_\_

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
* Total Leucocytes (WBC) count	/c.mm	2.39	2047.65	-6.29 *	0.00
@ Erythrocyte (RBC) Count	mill/cu.mm	2.09	2.03	0.63	0.23
@ Haemoglobin	g/dL	5.70	5.47	0.88	0.30
@ MCV (Mean Corpuscular Volume)	fL	115.20	117.12	-0.28	-0.27
@ MCH (Mean Corpuscular Hb)	pg	27.30	26.96	0.22	0.03
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	23.70	23.00	0.36	0.24
@ Platelet Count	1000/ $\mu$ L	116.00	130.07	-0.46	-0.31
@ Hematocrit	%	24.10	23.76	0.14	-0.09
@ RDW CV%	%	17.20	19.25	-1.12	-1.08

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	1
EQAS Score Haematology - CBC	88.89 %



**Dr Puneet Kumar Nigam**  
PT coordinator & Technical Manager, MHL EQAS  
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Kohinoor Mall, Kirol Road, Kurla (W),  
Mumbai - 400070

Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

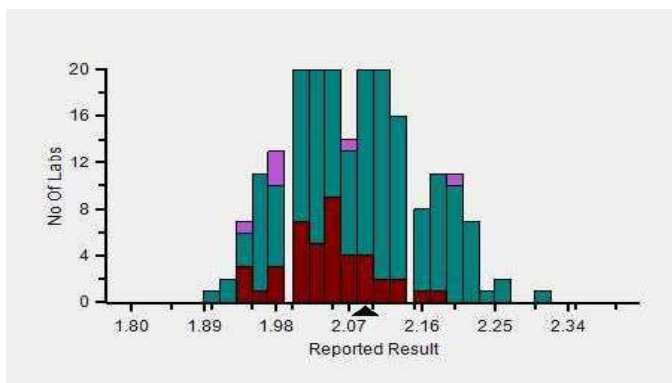
	N	Mean	SD	CV%	Excluded
All Methods	222	2.07	0.09	4.11	8
Impedance - (Your Method)	218	2.07	0.09	4.11	7
Horiba Yumizen H550 - (Your Analyzer)	44	2.03	0.07	3.55	1

**Evaluation Based On - Equipment wise Peer Grouping**

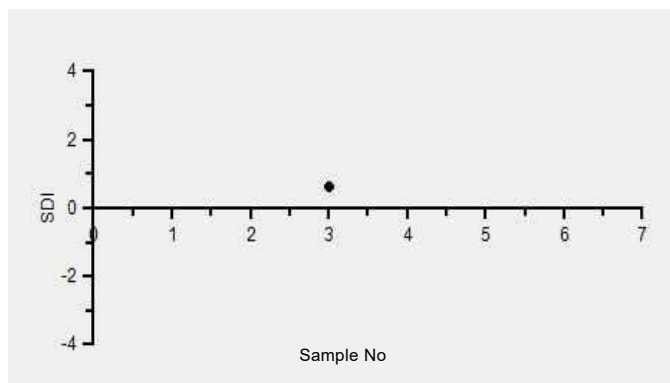
Your Result	2.09	SDI / z-Score	0.63
Assigned Value	2.03	Average SDI	0.48
SDPA	0.099	Uncertainty of AV	0.01
Standard Unit Result Val	2.09	%DEV	2.90

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

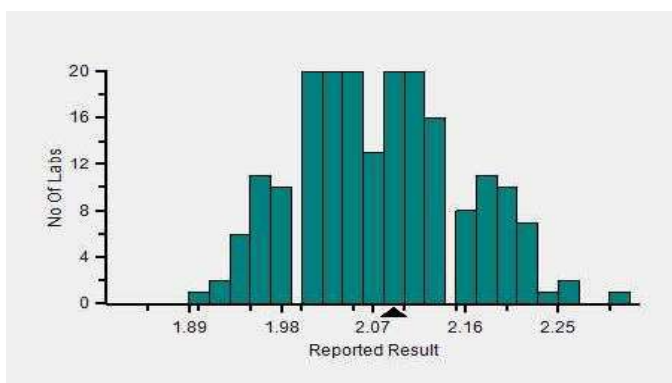
Frequency Histogram



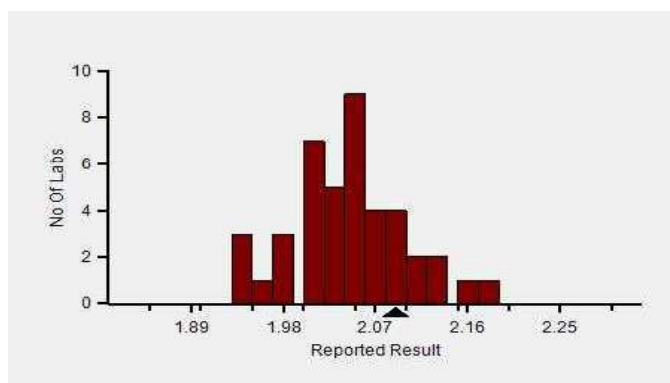
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

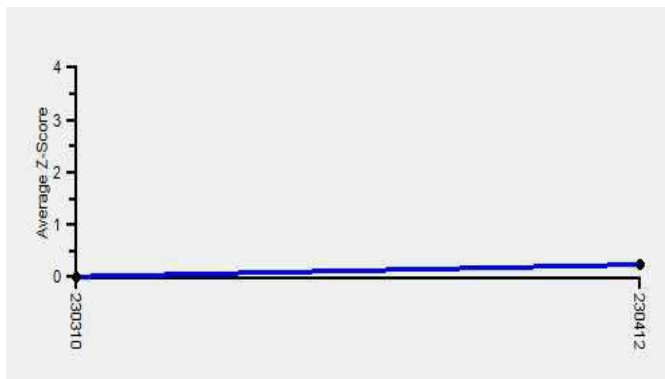
Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Erythrocyte (RBC) Count**

		N	Mean	SD	CV%	Excluded
	All Analyzer	222	2.07	0.09	4.11	8
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>2.03</b>	<b>0.07</b>	<b>3.55</b>	<b>1</b>
	Sysmex XP-100	24	2.17	0.07	3.10	-
	Horiba Yumizen H500	22	2.01	0.08	4.19	-
	Nihon Kohden Celltac Alpha	21	2.12	0.06	2.83	-
	Erba ELite 580	14	2.04	0.07	3.38	-
	Mindray BC-5000	14	2.03	0.07	3.20	-
	Horiba ABX Micros ES 60	10	2.03	0.07	3.31	-
	Sysmex XN-550	9	2.01	0.02	0.85	1

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

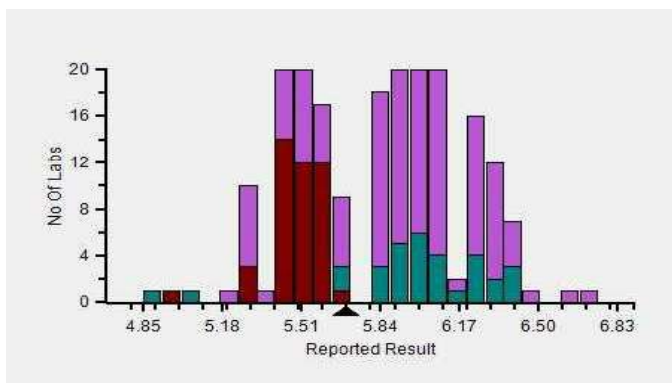
	N	Mean	SD	CV%	Excluded
All Methods	222	5.85	0.33	5.59	3
Photometric - (Your Method)	58	5.77	0.34	5.97	1
Horiba Yumizen H550 - (Your Analyzer)	44	5.47	0.12	2.27	1

**Evaluation Based On - Equipment wise Peer Grouping**

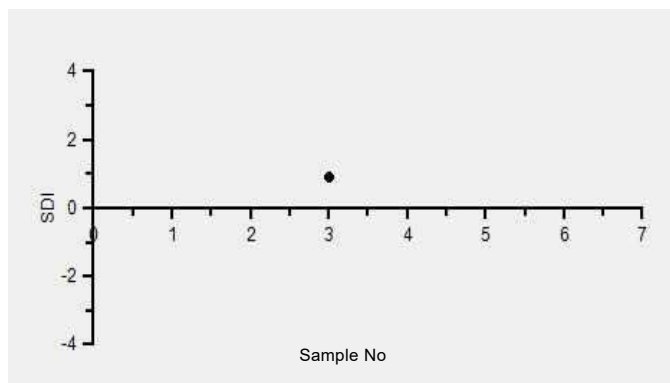
Your Result	5.70	SDI / z-Score	0.88
Assigned Value	5.49	Average SDI	0.54
SDPA	0.240	Uncertainty of AV	0.02
Standard Unit Result Val	5.70	%DEV	4.13

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

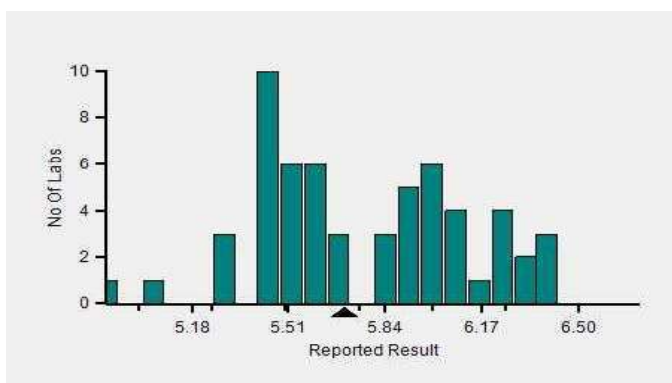
Frequency Histogram



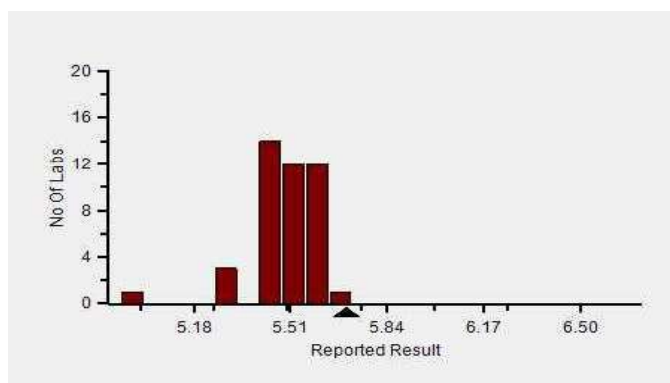
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

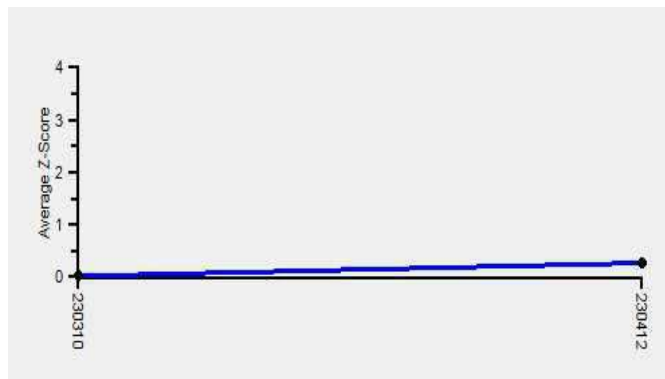
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Haemoglobin**

		N	Mean	SD	CV%	Excluded
	All Analyzer	222	5.85	0.33	5.59	3
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>5.47</b>	<b>0.12</b>	<b>2.27</b>	<b>1</b>
	Sysmex XP-100	25	6.02	0.28	4.70	-
	Horiba Yumizen H500	22	5.47	0.19	3.49	-
	Nihon Kohden Celltac Alpha	21	5.95	0.11	1.92	-
	Erba ELite 580	13	5.95	0.15	2.54	-
	Horiba ABX Micros ES 60	10	5.65	0.19	3.36	-
	Sysmex XN-550	9	6.07	0.07	1.17	-
	Mindray BC-5000	7	6.23	0.18	2.89	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

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- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

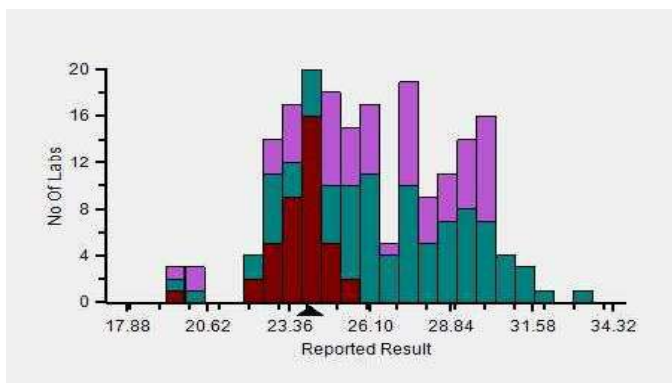
	N	Mean	SD	CV%	Excluded
All Methods	205	26.14	2.75	10.52	10
Calculated - (Your Method)	135	25.98	2.78	10.68	4
Horiba Yumizen H550 - (Your Analyzer)	42	23.76	1.01	4.27	2

**Evaluation Based On - Equipment wise Peer Grouping**

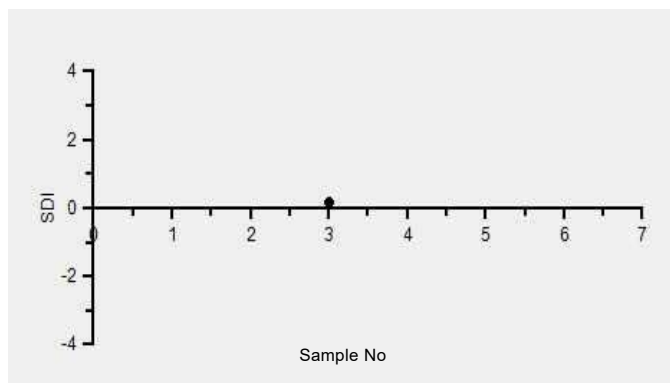
Your Result	24.10	SDI / z-Score	0.14
Assigned Value	23.85	Average SDI	0.05
SDPA	1.820	Uncertainty of AV	0.13
Standard Unit Result Val	24.10	%DEV	1.44

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

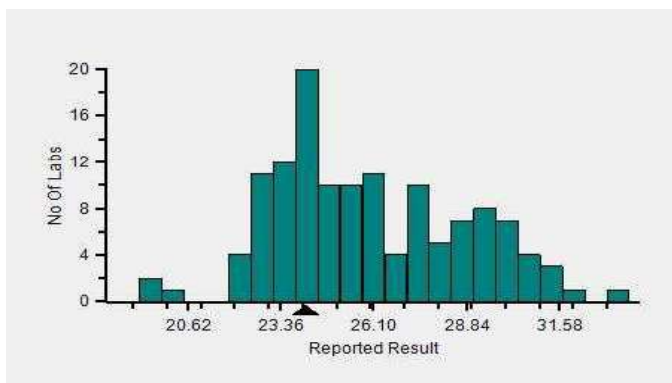
Frequency Histogram



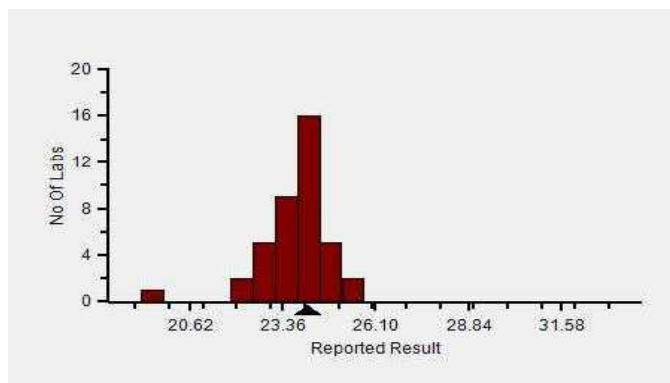
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Hematocrit		N	Mean	SD	CV%	Excluded
	All Analyzer	205	26.14	2.75	10.52	10
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>42</b>	<b>23.76</b>	<b>1.01</b>	<b>4.27</b>	<b>2</b>
	Systemx XP-100	23	24.71	1.47	5.96	2
	Horiba Yumizen H500	22	23.65	1.15	4.87	-
	Nihon Kohden Celltac Alpha	20	28.64	2.18	7.62	-
	Mindray BC-5000	14	29.52	1.11	3.77	-
	Erba ELite 580	13	27.81	1.02	3.68	-
	Horiba ABX Micros ES 60	8	23.06	1.44	6.23	1
	Systemx XN-550	8	26.29	0.55	2.08	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

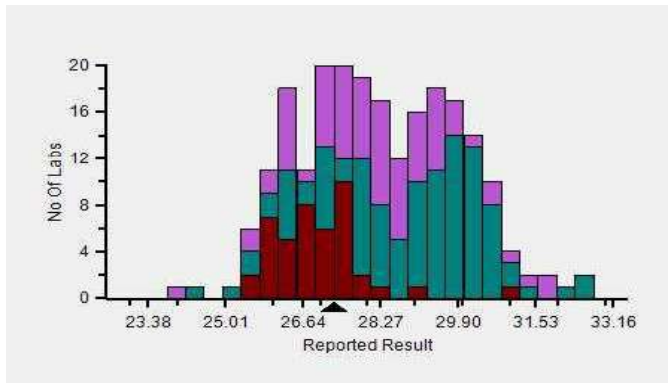
	N	Mean	SD	CV%	Excluded
All Methods	220	28.29	1.64	5.79	4
Calculated - (Your Method)	152	28.33	1.70	5.99	4
Horiba Yumizen H550 - (Your Analyzer)	43	26.96	0.95	3.52	--

**Evaluation Based On - Equipment wise Peer Grouping**

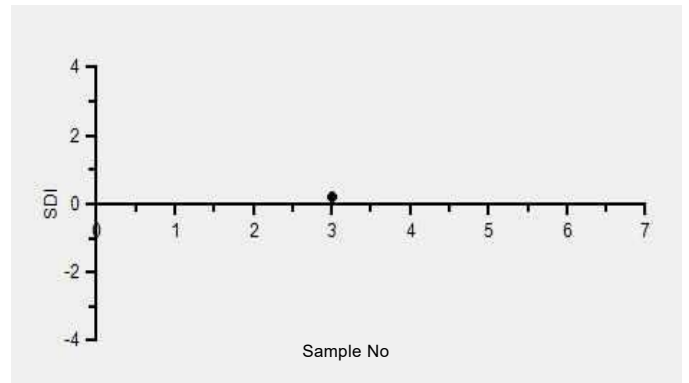
<b>Your Result</b>	27.30	<b>SDI / z-Score</b>	0.22
<b>Assigned Value</b>	26.99	<b>Average SDI</b>	-0.02
<b>SDPA</b>	1.380	<b>Uncertainty of AV</b>	0.12
<b>Standard Unit Result Val</b>	27.30	<b>%DEV</b>	1.28

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

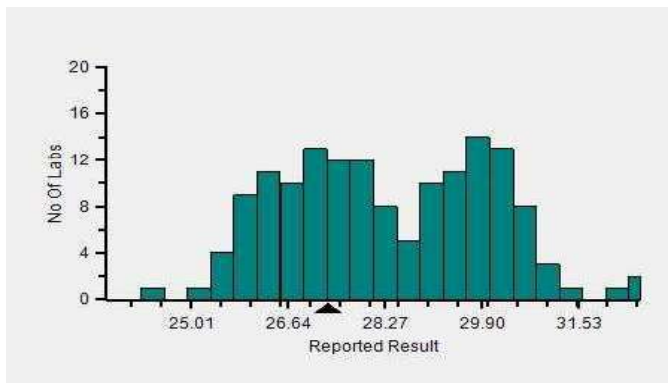
Frequency Histogram



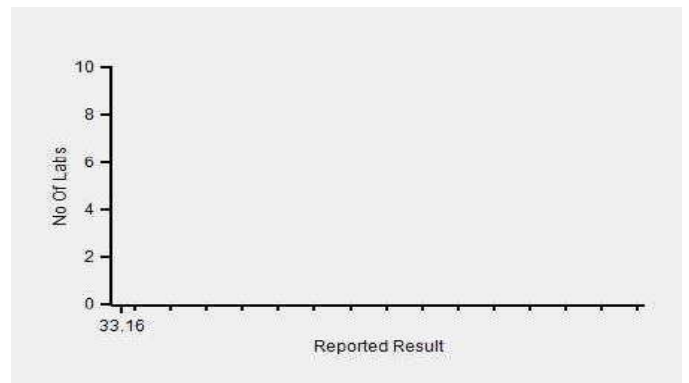
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCH (Mean Corpuscular Hb)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	220	28.29	1.64	5.79	4
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>26.96</b>	<b>0.95</b>	<b>3.52</b>	-
	Systemx XP-100	25	27.81	1.22	4.37	-
	Horiba Yumizen H500	23	27.21	1.07	3.95	-
	Nihon Kohden Celltac Alpha	20	28.17	0.94	3.32	-
	Mindray BC-5000	14	30.54	0.84	2.73	-
	Erba ELite 580	13	29.35	0.43	1.46	-
	Horiba ABX Micros ES 60	10	28.05	1.35	4.82	-
	Systemx XN-550	9	30.17	0.50	1.64	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

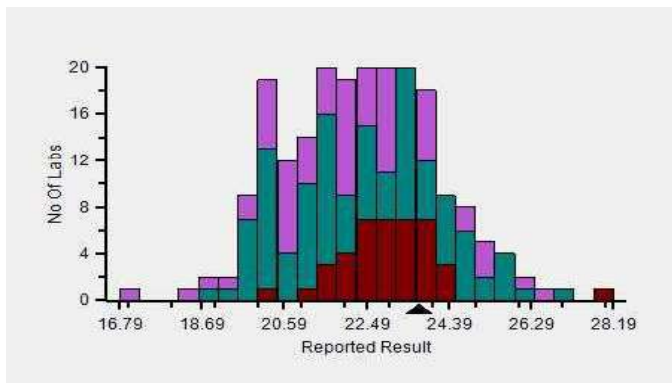
	N	Mean	SD	CV%	Excluded
All Methods	220	22.50	1.92	8.52	11
Calculated - (Your Method)	150	22.48	1.65	7.34	9
Horiba Yumizen H550 - (Your Analyzer)	42	23.00	1.21	5.27	1

**Evaluation Based On - Equipment wise Peer Grouping**

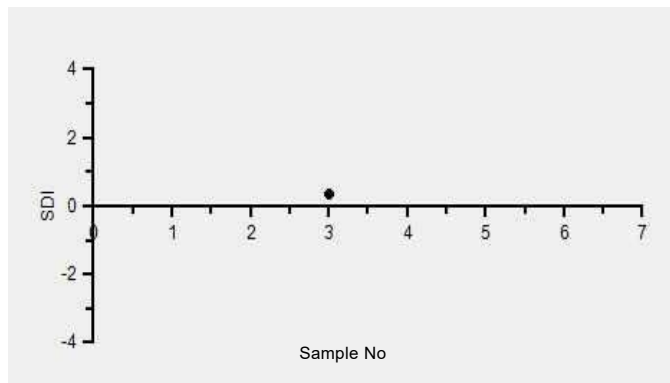
Your Result	23.70	SDI / z-Score	0.36
Assigned Value	23.10	Average SDI	0.20
SDPA	1.670	Uncertainty of AV	0.13
Standard Unit Result Val	23.70	%DEV	3.05

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

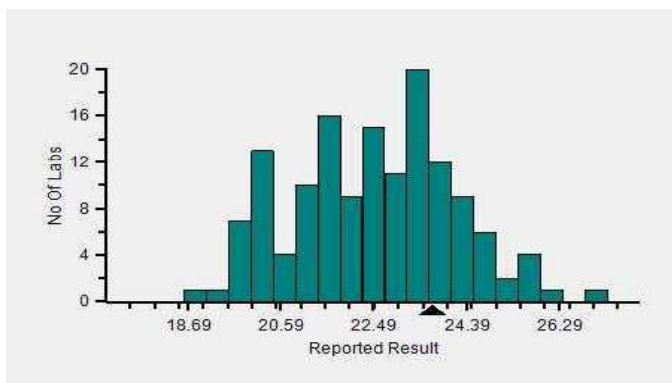
Frequency Histogram



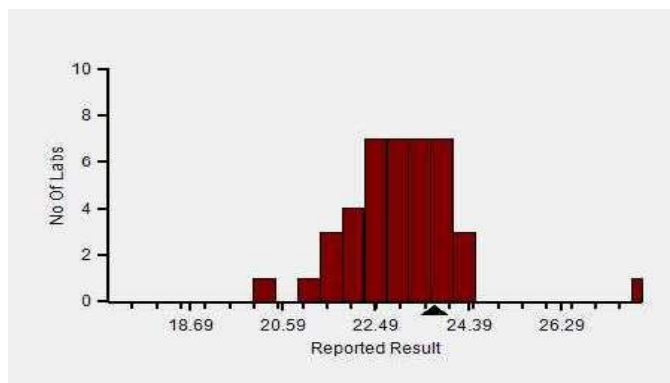
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

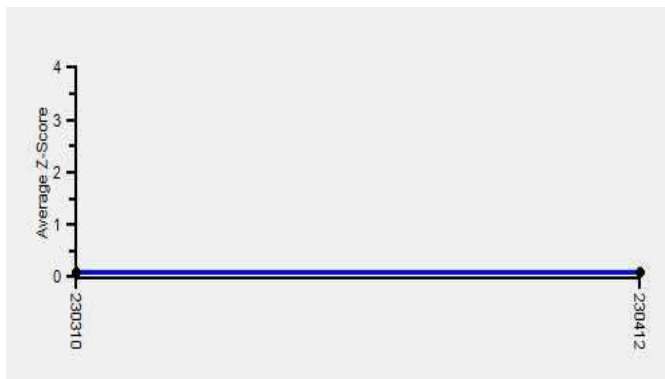
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

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Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)**

	N	Mean	SD	CV%	Excluded
All Analyzer	220	22.50	1.92	8.52	11
<b>Your Analyzer :</b> <b>Horiba Yumizen H550</b>	<b>42</b>	<b>23.00</b>	<b>1.21</b>	<b>5.27</b>	<b>1</b>
Sysmex XP-100	25	24.44	1.59	6.50	1
Horiba Yumizen H500	24	23.10	1.09	4.72	-
Nihon Kohden Celltac Alpha	20	20.57	0.97	4.70	1
Mindray BC-5000	14	20.98	0.99	4.73	-
Erba ELite 580	13	21.45	0.50	2.33	-
Horiba ABX Micros ES 60	10	23.99	0.76	3.19	1
Sysmex XN-550	9	22.79	1.12	4.92	-

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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

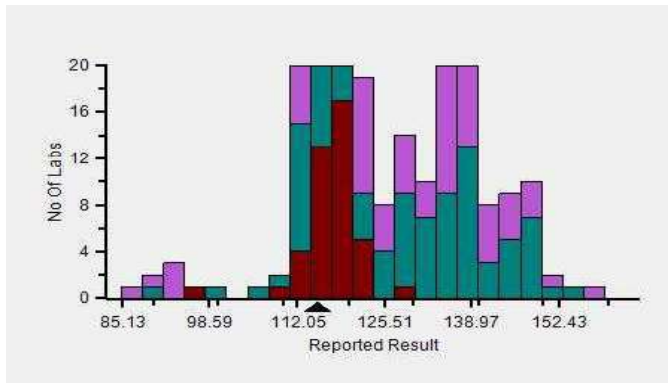
	N	Mean	SD	CV%	Excluded
All Methods	221	125.77	13.25	10.54	3
Calculated - (Your Method)	132	125.63	12.41	9.88	2
Horiba Yumizen H550 - (Your Analyzer)	43	117.12	4.60	3.93	1

**Evaluation Based On - Equipment wise Peer Grouping**

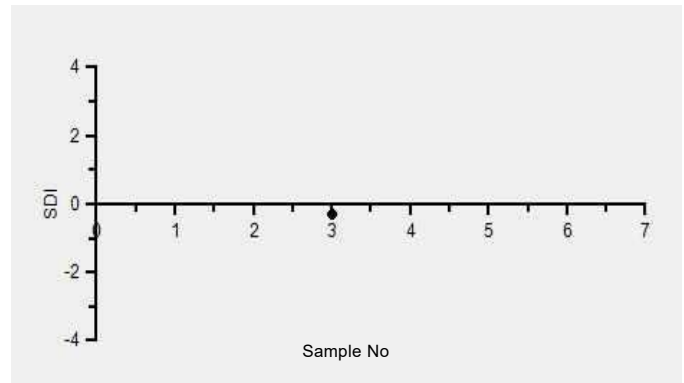
<b>Your Result</b>	115.20	<b>SDI / z-Score</b>	-0.28
<b>Assigned Value</b>	117.58	<b>Average SDI</b>	-0.30
<b>SDPA</b>	8.600	<b>Uncertainty of AV</b>	0.50
<b>Standard Unit Result Val</b>	115.20	<b>%DEV</b>	-1.64

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

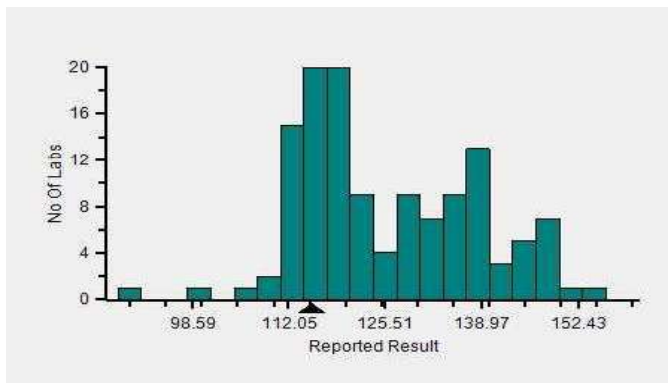
Frequency Histogram



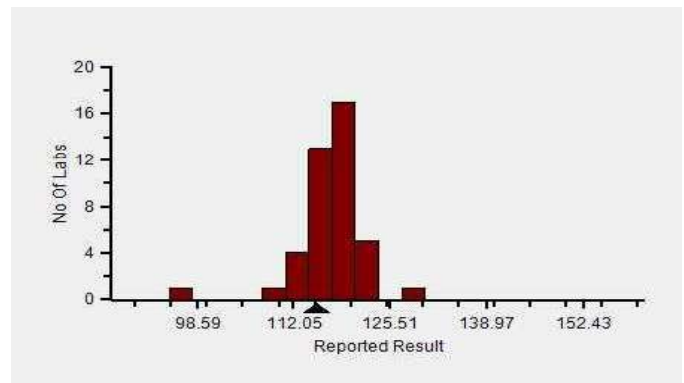
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

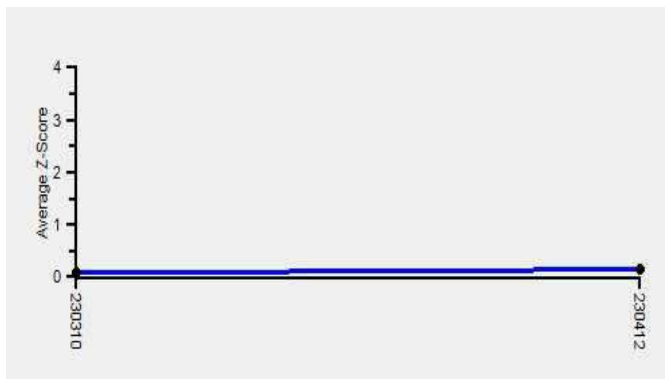
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCV (Mean Corpuscular Volume)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	125.77	13.25	10.54	3
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>117.12</b>	<b>4.60</b>	<b>3.93</b>	<b>1</b>
	Sysmex XP-100	25	112.33	7.02	6.25	-
	Horiba Yumizen H500	23	117.78	3.13	2.66	-
	Nihon Kohden Celltac Alpha	20	135.54	9.13	6.74	-
	Mindray BC-5000	14	145.71	5.09	3.49	-
	Erba ELite 580	13	136.92	2.04	1.49	-
	Horiba ABX Micros ES 60	10	117.78	4.06	3.44	1
	Sysmex XN-550	9	130.87	2.89	2.21	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

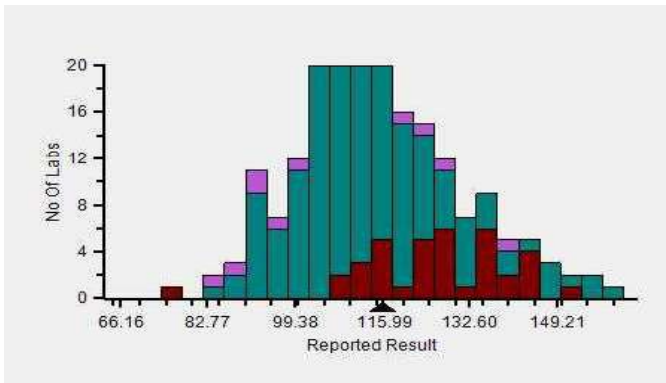
	N	Mean	SD	CV%	Excluded
All Methods	221	116.06	16.69	14.38	18
Impedance - (Your Method)	212	116.74	16.42	14.06	15
Horiba Yumizen H550 - (Your Analyzer)	44	130.07	17.99	13.83	2

**Evaluation Based On - Equipment wise Peer Grouping**

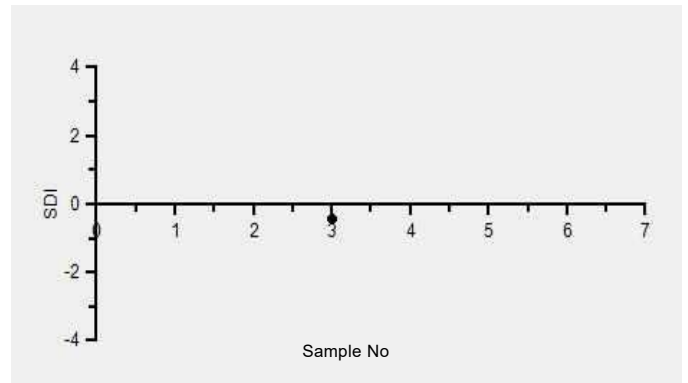
<b>Your Result</b>	116.00	<b>SDI / z-Score</b>	-0.46
<b>Assigned Value</b>	123.18	<b>Average SDI</b>	-0.44
<b>SDPA</b>	15.679	<b>Uncertainty of AV</b>	2.43
<b>Standard Unit Result Val</b>	116.00	<b>%DEV</b>	-10.82

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

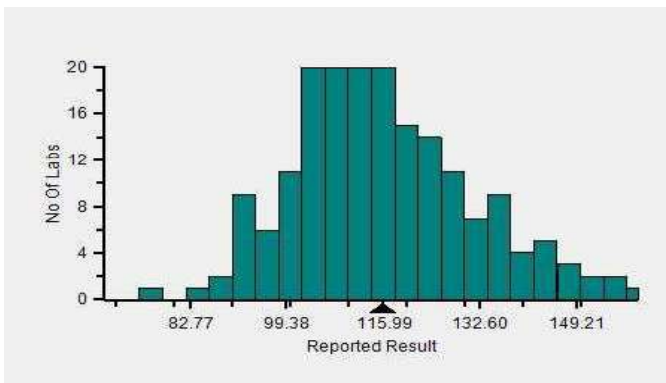
Frequency Histogram



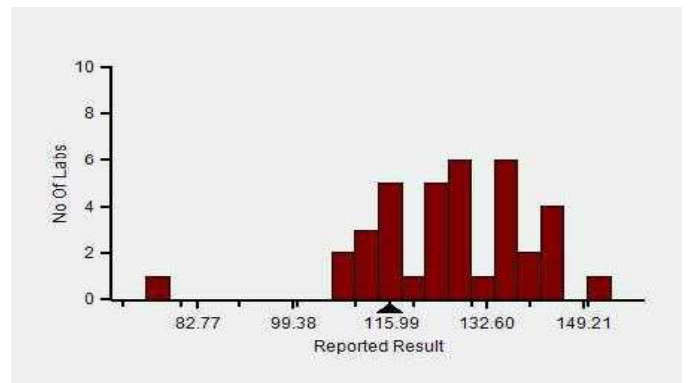
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230412

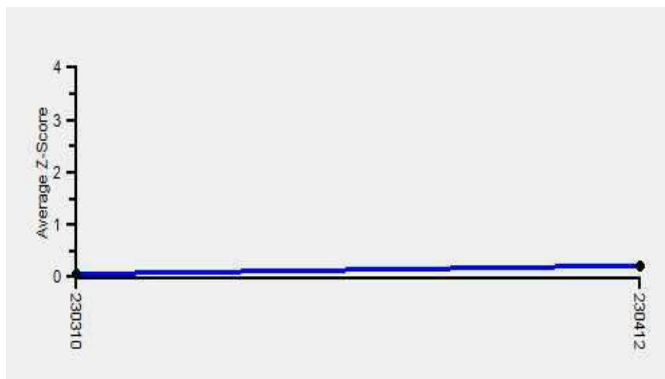
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Platelet Count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	116.06	16.69	14.38	18
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>130.07</b>	<b>17.99</b>	<b>13.83</b>	<b>2</b>
	Sysmex XP-100	25	106.80	11.62	10.88	-
	Horiba Yumizen H500	22	117.90	16.56	14.04	2
	Nihon Kohden Celltac Alpha	21	118.91	12.83	10.79	-
	Mindray BC-5000	14	112.46	7.84	6.97	1
	Erba ELite 580	13	113.92	7.44	6.53	1
	Horiba ABX Micros ES 60	10	119.50	16.31	13.65	-
	Sysmex XN-550	8	101.00	12.55	12.42	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

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- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

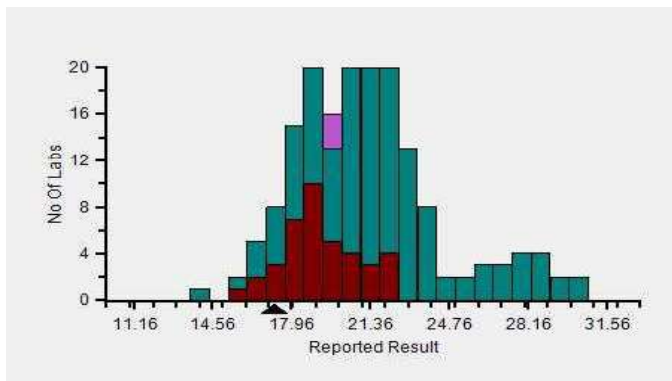
	N	Mean	SD	CV%	Excluded
All Methods	191	21.26	3.00	14.13	10
Calculated - (Your Method)	184	21.26	3.07	14.42	5
Horiba Yumizen H550 - (Your Analyzer)	41	19.25	1.69	8.79	2

**Evaluation Based On - Equipment wise Peer Grouping**

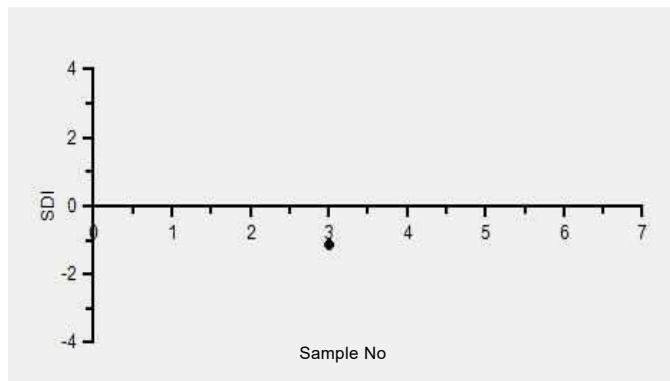
<b>Your Result</b>	17.20	<b>SDI / z-Score</b>	-1.12
<b>Assigned Value</b>	19.10	<b>Average SDI</b>	-1.00
<b>SDPA</b>	1.698	<b>Uncertainty of AV</b>	0.27
<b>Standard Unit Result Val</b>	17.20	<b>%DEV</b>	-10.65

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

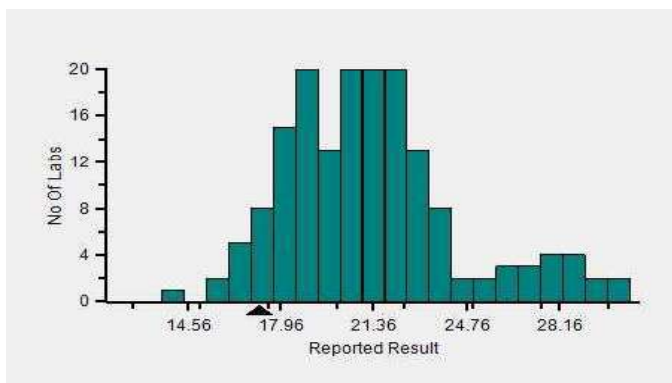
Frequency Histogram



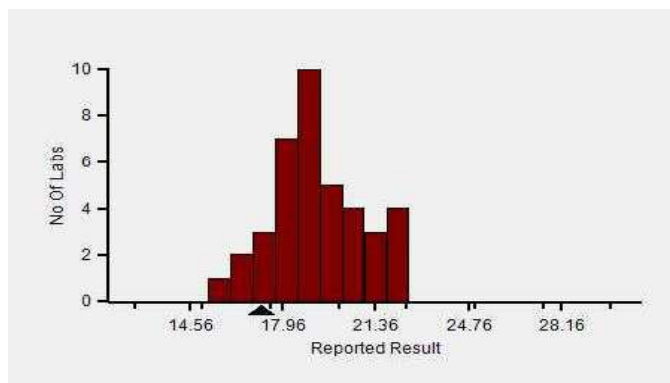
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

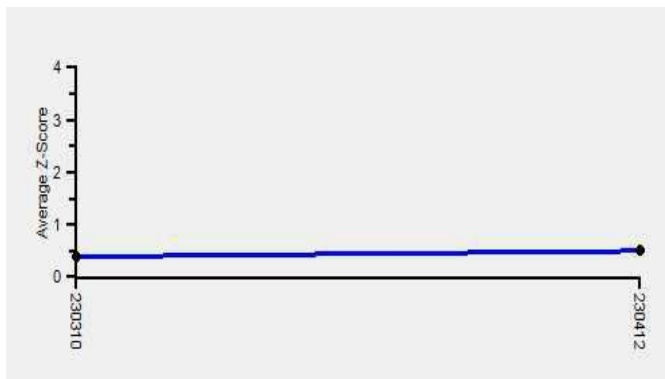
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, RDW CV%		N	Mean	SD	CV%	Excluded
	All Analyzer	191	21.26	3.00	14.13	10
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>41</b>	<b>19.25</b>	<b>1.69</b>	<b>8.79</b>	<b>2</b>
	Systemx XP-100	23	21.45	2.01	9.38	2
	Horiba Yumizen H500	22	19.08	1.54	8.07	-
	Nihon Kohden Celltac Alpha	19	22.65	1.68	7.41	-
	Erba ELite 580	13	21.45	0.73	3.38	-
	Mindray BC-5000	13	27.75	1.39	5.02	-
	Systemx XN-550	8	20.78	1.37	6.59	-
	Horiba ABX Micros ES 60	6	18.04	1.20	6.64	1

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- Two out of three pass - Review for random error & take action if appropriate
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

**Haematology - CBC, Total Leucocytes (WBC) count, /µl**

**Comparative Statistics**

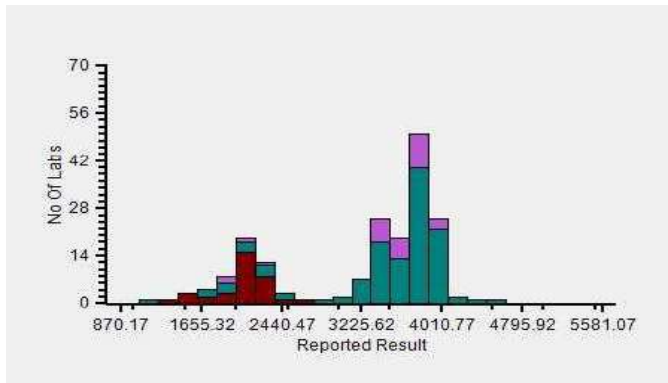
	N	Mean	SD	CV%	Excluded
All Methods	219	3,226.20	791.90	24.55	40
Impedance - (Your Method)	188	3,184.16	813.06	25.54	31
Horiba Yumizen H550 - (Your Analyzer)	43	2,047.65	278.94	13.62	8

**Evaluation Based On - Equipment wise Peer Grouping**

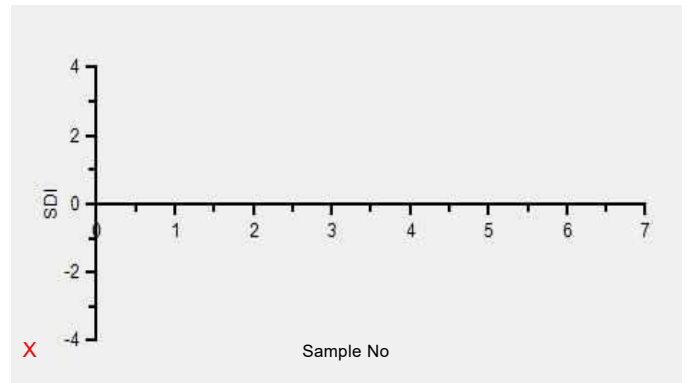
<b>Your Result</b>	2.39	<b>SDI / z-Score</b>	*
<b>Assigned Value</b>	2,097.73	<b>Average SDI</b>	0.00
<b>SDPA</b>	333.000	<b>Uncertainty of AV</b>	37.25
<b>Standard Unit Result Val</b>	2.39	<b>%DEV</b>	-99.88

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

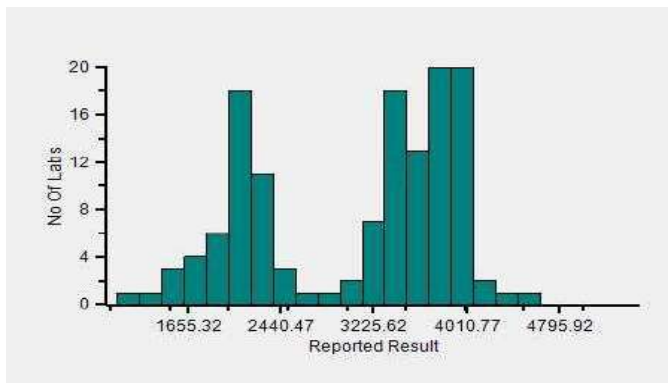
Frequency Histogram



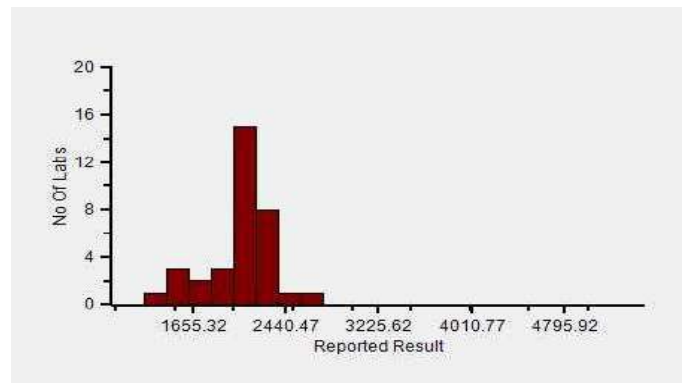
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

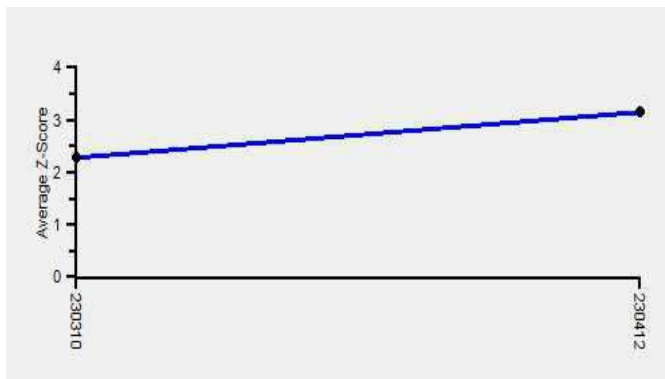
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Total Leucocytes (WBC) count		N	Mean	SD	CV%	Excluded
	All Analyzer	219	3,226.20	791.90	24.55	40
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>2,047.65</b>	<b>278.94</b>	<b>13.62</b>	<b>8</b>
	Sysmex XP-100	25	3,639.13	258.91	7.12	2
	Horiba Yumizen H500	22	2,040.00	310.39	15.22	3
	Nihon Kohden Celltac Alpha	21	3,788.13	142.23	3.76	5
	Erba ELite 580	14	3,810.00	119.50	3.14	3
	Mindray BC-5000	14	3,822.73	139.65	3.65	3
	Horiba ABX Micros ES 60	10	3,510.00	152.39	4.34	-
	Sysmex XN-550	9	3,816.67	107.83	2.83	3

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
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- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**

Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kirool Road, Kurla (W),  
Mumbai - 400070

This is a computer generated report hence signature is not required



PC-1022

End of Report



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230412 and Sample No 04

Report Date : 13/02/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
* Total Leucocytes (WBC) count	Horiba Yumizen H550	6.31	/c.mm	*
Legend @ : z score $\leq$ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated ⌚ : Delayed Result Entry * : Not considered for evaluation.				

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

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

Dated: \_\_\_\_\_

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
* Total Leucocytes (WBC) count	/c.mm	6.31	5806.22	-6.31 *	0.00
@ Erythrocyte (RBC) Count	mill/cu.mm	2.21	2.14	0.33	0.23
@ Haemoglobin	g/dL	6.30	6.22	0.20	0.30
@ MCV (Mean Corpuscular Volume)	fL	121.10	122.79	-0.31	-0.27
@ MCH (Mean Corpuscular Hb)	pg	28.30	29.02	-0.26	0.03
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	23.40	23.71	0.03	0.24
@ Platelet Count	1000/ $\mu$ L	216.00	227.36	-0.41	-0.31
@ Hematocrit	%	26.70	26.07	-0.05	-0.09
@ RDW CV%	%	16.70	18.24	-0.88	-1.08

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	1
EQAS Score Haematology - CBC	88.89 %



**Dr Puneet Kumar Nigam**  
PT coordinator & Technical Manager, MHL EQAS  
Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kirol Road, Kurla (W),  
Mumbai - 400070

Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

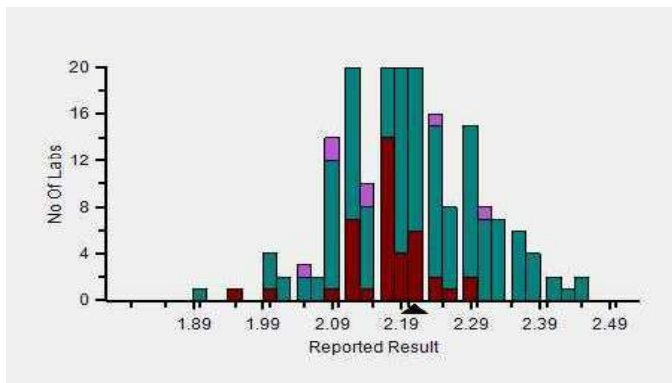
	N	Mean	SD	CV%	Excluded
All Methods	223	2.19	0.10	4.52	6
Impedance - (Your Method)	219	2.19	0.10	4.57	5
Horiba Yumizen H550 - (Your Analyzer)	44	2.14	0.10	4.57	2

**Evaluation Based On - Equipment wise Peer Grouping**

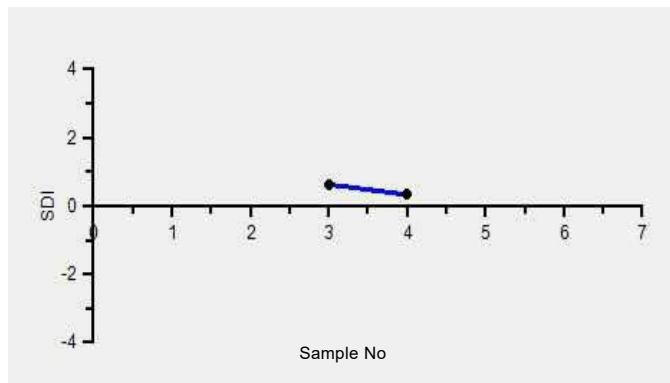
Your Result	2.21	SDI / z-Score	0.33
Assigned Value	2.16	Average SDI	0.48
SDPA	0.140	Uncertainty of AV	0.01
Standard Unit Result Val	2.21	%DEV	3.13

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

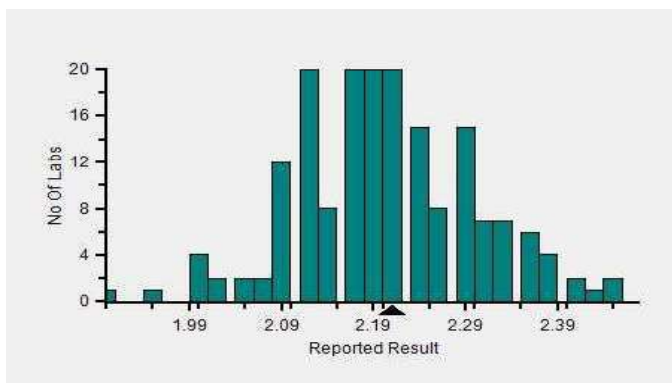
Frequency Histogram



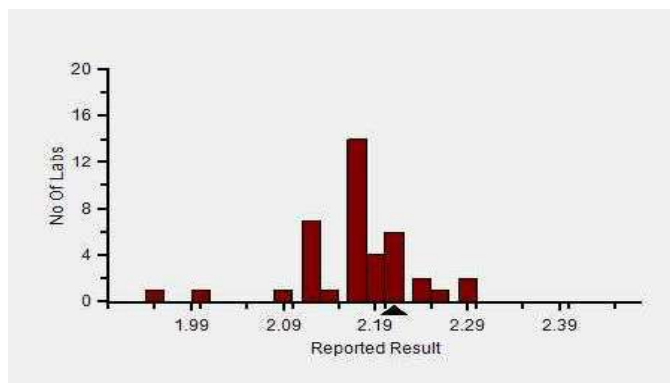
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

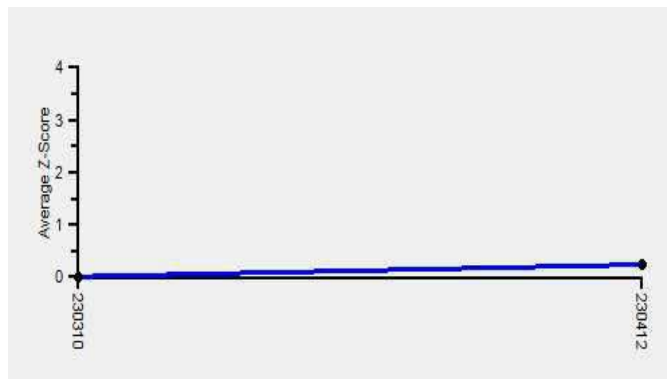
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Erythrocyte (RBC) Count		N	Mean	SD	CV%	Excluded
	All Analyzer	223	2.19	0.10	4.52	6
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>2.14</b>	<b>0.10</b>	<b>4.57</b>	<b>2</b>
	Sysmex XP-100	24	2.30	0.08	3.35	-
	Horiba Yumizen H500	22	2.16	0.06	2.83	1
	Nihon Kohden Celltac Alpha	21	2.24	0.06	2.68	-
	Erba ELite 580	14	2.16	0.07	3.06	-
	Mindray BC-5000	14	2.16	0.08	3.53	-
	Horiba ABX Micros ES 60	10	2.14	0.13	6.16	-
	Sysmex XN-550	9	2.11	0.06	2.70	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

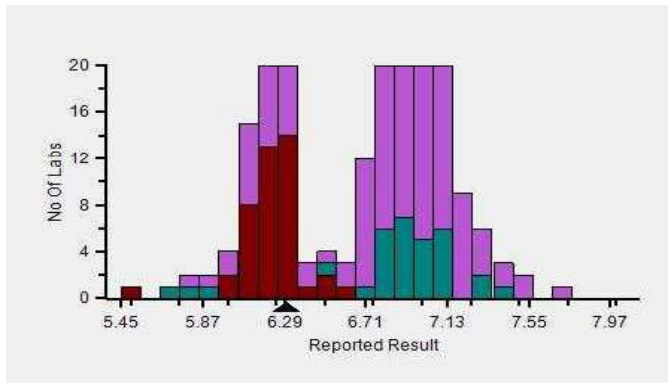
	N	Mean	SD	CV%	Excluded
All Methods	224	6.72	0.41	6.08	4
Photometric - (Your Method)	58	6.59	0.42	6.42	2
Horiba Yumizen H550 - (Your Analyzer)	44	6.22	0.17	2.70	2

**Evaluation Based On - Equipment wise Peer Grouping**

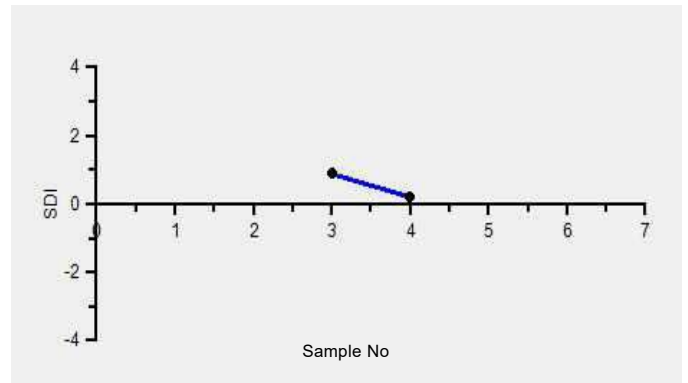
Your Result	6.30	SDI / z-Score	0.20
Assigned Value	6.22	Average SDI	0.54
SDPA	0.390	Uncertainty of AV	0.02
Standard Unit Result Val	6.30	%DEV	1.34

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

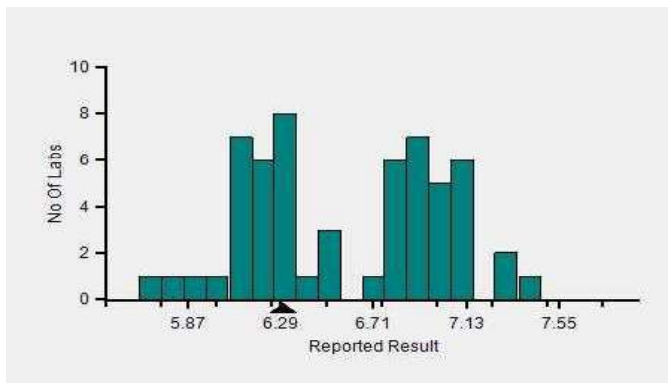
Frequency Histogram



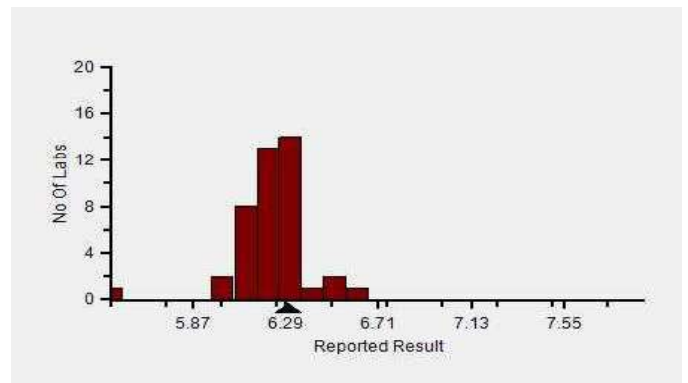
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

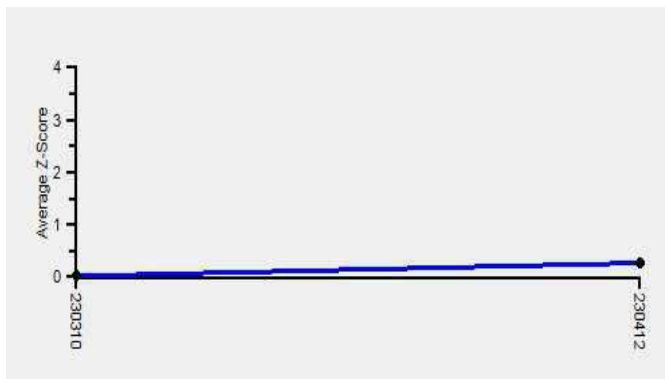
Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Haemoglobin**

		N	Mean	SD	CV%	Excluded
	All Analyzer	224	6.72	0.41	6.08	4
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>6.22</b>	<b>0.17</b>	<b>2.70</b>	<b>2</b>
	Systemx XP-100	25	6.91	0.30	4.37	-
	Horiba Yumizen H500	23	6.20	0.10	1.53	-
	Nihon Kohden Celltac Alpha	21	6.94	0.20	2.85	-
	Erba ELite 580	13	6.83	0.19	2.83	-
	Horiba ABX Micros ES 60	10	6.48	0.40	6.13	-
	Systemx XN-550	9	7.04	0.10	1.43	-
	Mindray BC-5000	7	7.11	0.27	3.75	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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- Both failed - Unacceptable performance, Review for systematic error

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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

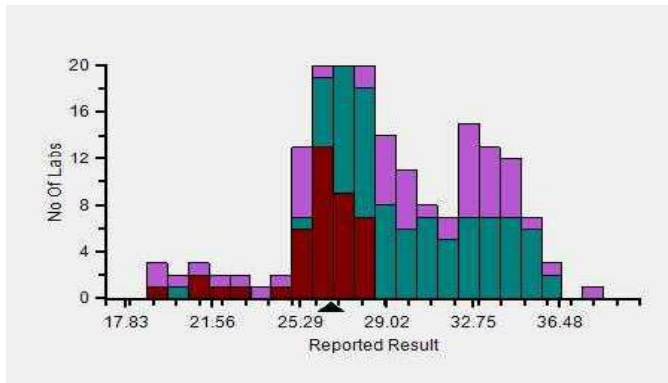
	N	Mean	SD	CV%	Excluded
All Methods	206	29.07	3.67	12.62	8
Calculated - (Your Method)	135	28.95	3.49	12.05	5
Horiba Yumizen H550 - (Your Analyzer)	42	26.07	2.07	7.94	1

**Evaluation Based On - Equipment wise Peer Grouping**

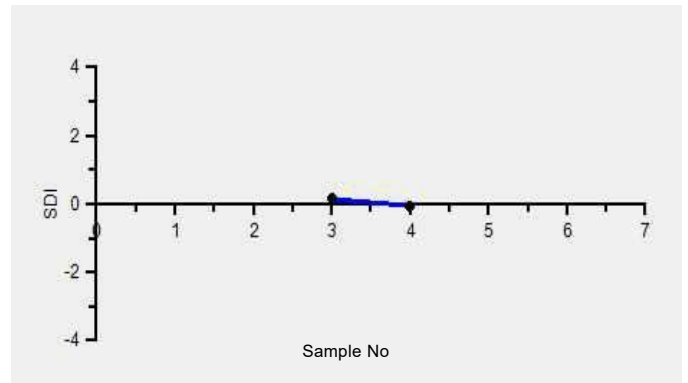
Your Result	26.70	SDI / z-Score	-0.05
Assigned Value	26.85	Average SDI	0.05
SDPA	2.840	Uncertainty of AV	0.17
Standard Unit Result Val	26.70	%DEV	2.41

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

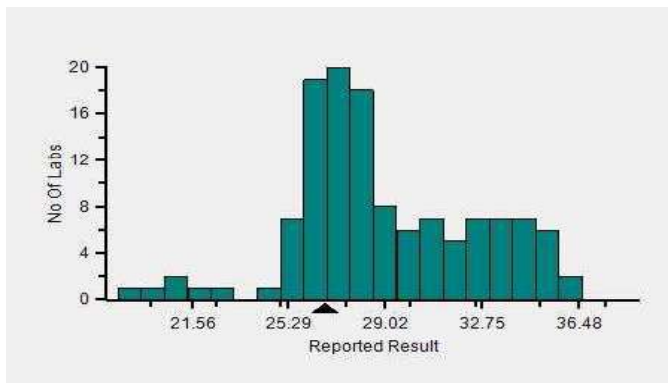
Frequency Histogram



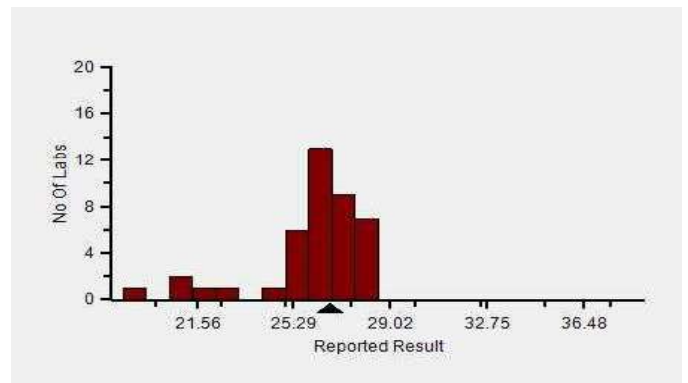
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

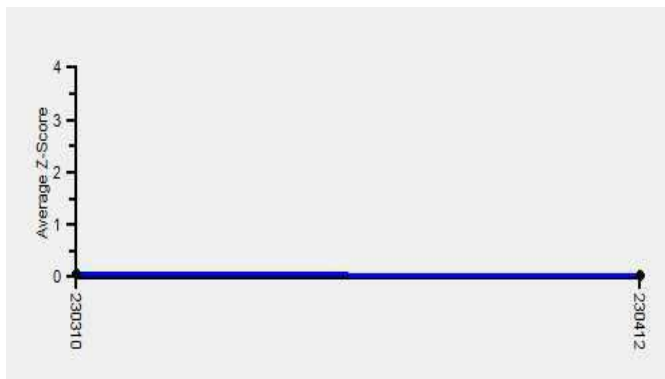
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Hematocrit		N	Mean	SD	CV%	Excluded
	All Analyzer	206	29.07	3.67	12.62	8
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>42</b>	<b>26.07</b>	<b>2.07</b>	<b>7.94</b>	<b>1</b>
	Systemx XP-100	23	26.76	1.89	7.05	1
	Horiba Yumizen H500	22	26.65	1.73	6.50	-
	Nihon Kohden Celltac Alpha	20	33.10	2.30	6.95	1
	Mindray BC-5000	14	34.47	1.56	4.51	-
	Erba ELite 580	13	30.58	1.04	3.39	-
	Horiba ABX Micros ES 60	8	26.23	1.41	5.36	1
	Systemx XN-550	8	28.91	1.84	6.36	-

Remarks: Interpretation of your reports

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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

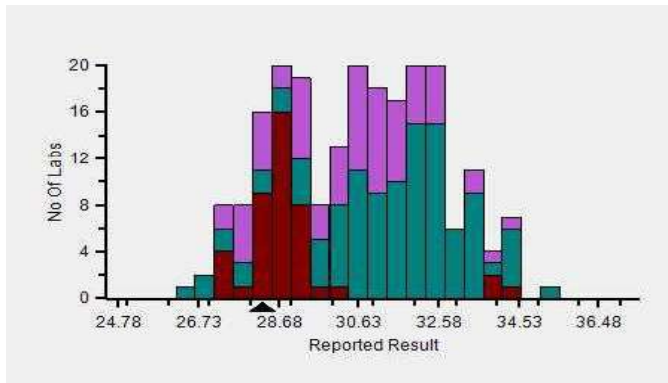
	N	Mean	SD	CV%	Excluded
All Methods	221	30.65	1.96	6.38	3
Calculated - (Your Method)	153	30.80	2.09	6.77	3
Horiba Yumizen H550 - (Your Analyzer)	43	29.02	1.53	5.27	--

**Evaluation Based On - Equipment wise Peer Grouping**

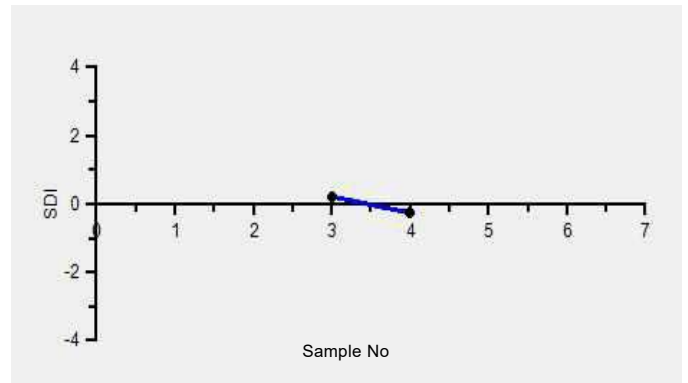
Your Result	28.30	SDI / z-Score	-0.26
Assigned Value	28.79	Average SDI	-0.02
SDPA	1.900	Uncertainty of AV	0.11
Standard Unit Result Val	28.30	%DEV	-2.48

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

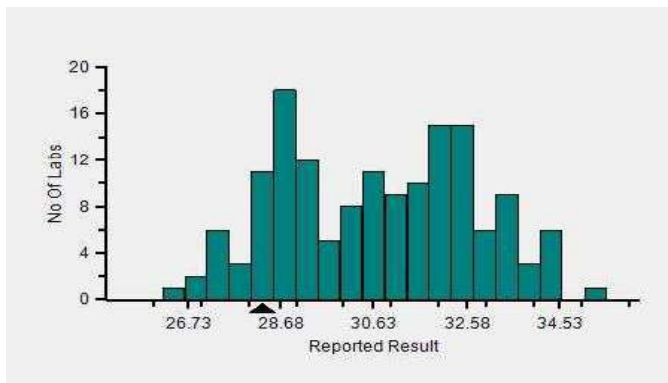
Frequency Histogram



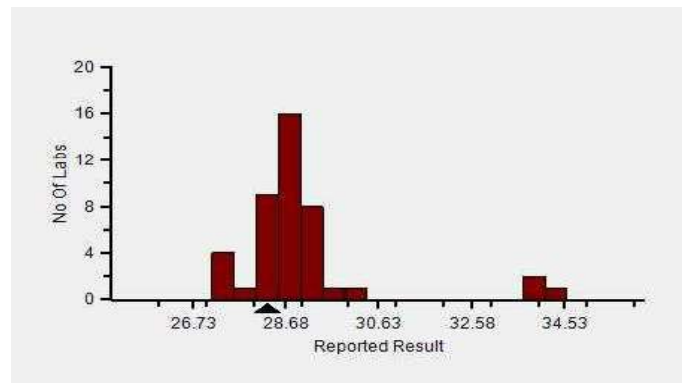
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

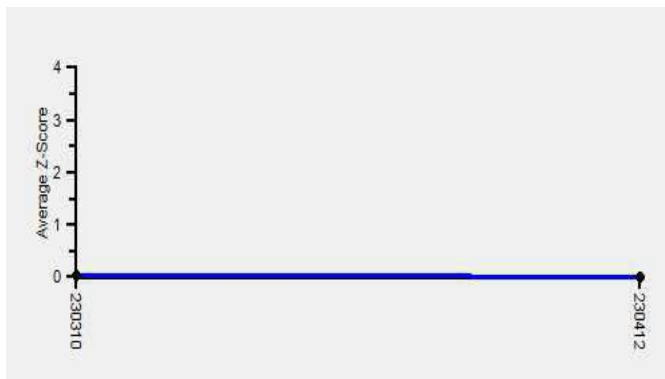
Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCH (Mean Corpuscular Hb)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	30.65	1.96	6.38	3
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>29.02</b>	<b>1.53</b>	<b>5.27</b>	-
	Systemx XP-100	25	29.94	1.40	4.66	-
	Horiba Yumizen H500	23	28.75	0.85	2.96	1
	Nihon Kohden Celltac Alpha	20	31.01	0.86	2.77	-
	Mindray BC-5000	14	32.87	1.04	3.15	-
	Erba ELite 580	13	31.70	0.83	2.63	-
	Horiba ABX Micros ES 60	10	30.19	1.21	3.99	-
	Systemx XN-550	9	33.09	0.54	1.63	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

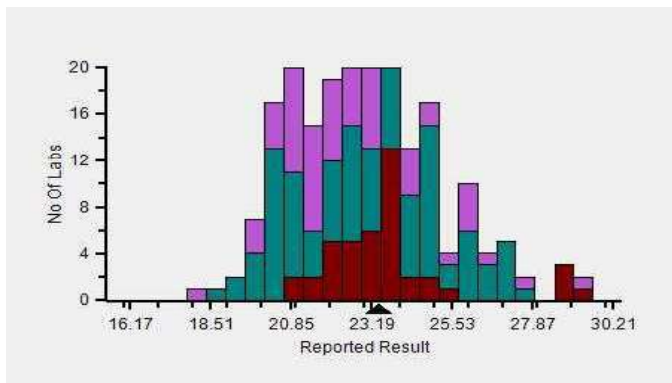
	N	Mean	SD	CV%	Excluded
All Methods	221	23.20	2.35	10.13	11
Calculated - (Your Method)	151	23.24	2.23	9.60	7
Horiba Yumizen H550 - (Your Analyzer)	42	23.71	1.96	8.25	--

**Evaluation Based On - Equipment wise Peer Grouping**

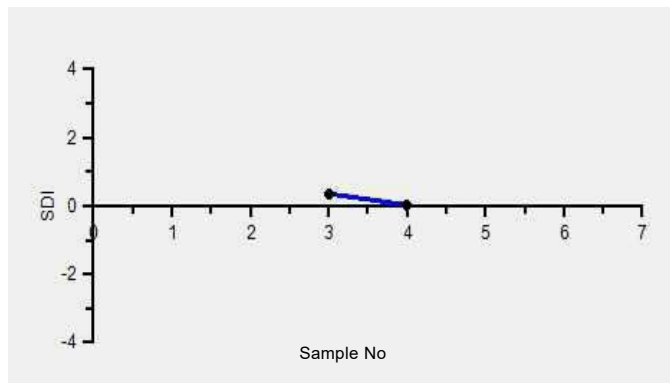
Your Result	23.40	SDI / z-Score	0.03
Assigned Value	23.32	Average SDI	0.20
SDPA	2.300	Uncertainty of AV	0.16
Standard Unit Result Val	23.40	%DEV	-1.32

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

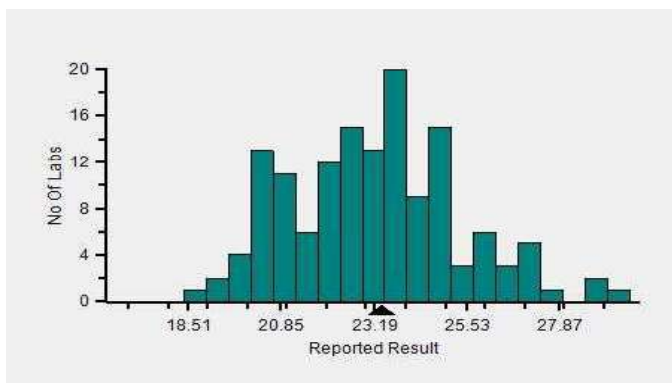
Frequency Histogram



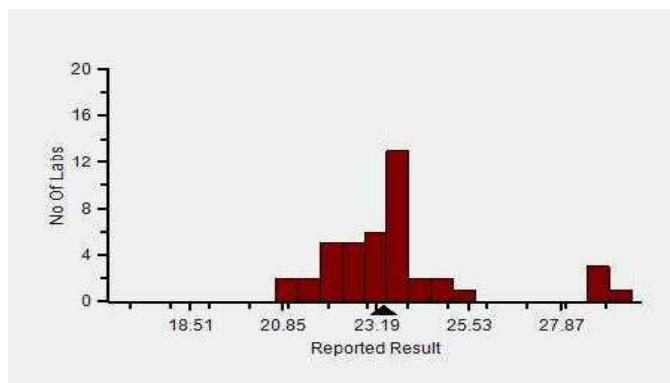
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230412

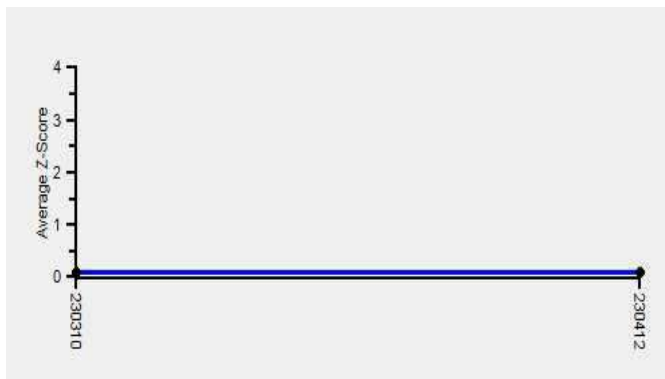
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	23.20	2.35	10.13	11
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>42</b>	<b>23.71</b>	<b>1.96</b>	<b>8.25</b>	-
	Systemx XP-100	25	25.92	2.20	8.49	-
	Horiba Yumizen H500	24	23.04	0.88	3.84	1
	Nihon Kohden Celltac Alpha	20	21.05	1.06	5.04	1
	Mindray BC-5000	14	20.59	1.04	5.03	-
	Erba ELite 580	13	22.27	0.64	2.86	1
	Horiba ABX Micros ES 60	10	24.52	0.74	3.03	1
	Systemx XN-550	9	24.40	1.49	6.09	-

Remarks: Interpretation of your reports

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  - One out of three pass - Unacceptable performance, Review for systematic error
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

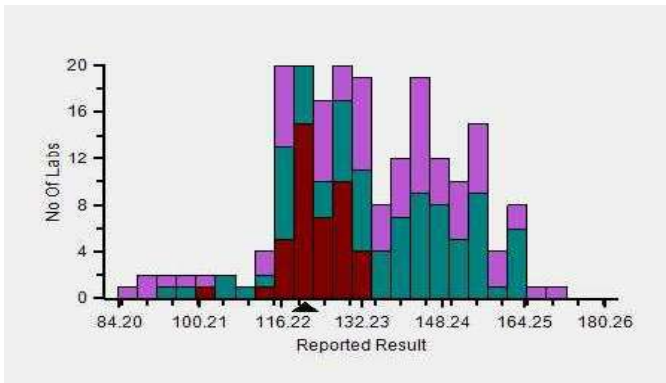
	N	Mean	SD	CV%	Excluded
All Methods	222	132.37	15.71	11.87	2
Calculated - (Your Method)	133	132.20	14.77	11.17	1
Horiba Yumizen H550 - (Your Analyzer)	43	122.79	5.76	4.69	--

**Evaluation Based On - Equipment wise Peer Grouping**

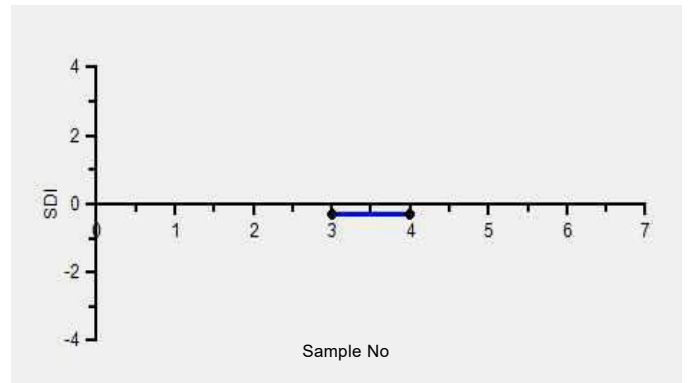
<b>Your Result</b>	121.10	<b>SDI / z-Score</b>	-0.31
<b>Assigned Value</b>	123.81	<b>Average SDI</b>	-0.30
<b>SDPA</b>	8.600	<b>Uncertainty of AV</b>	0.71
<b>Standard Unit Result Val</b>	121.10	<b>%DEV</b>	-1.38

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

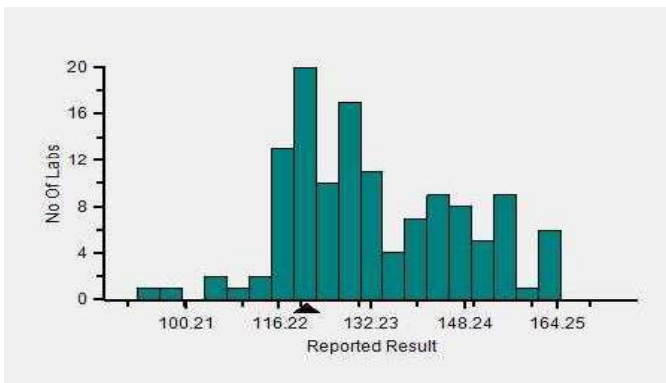
Frequency Histogram



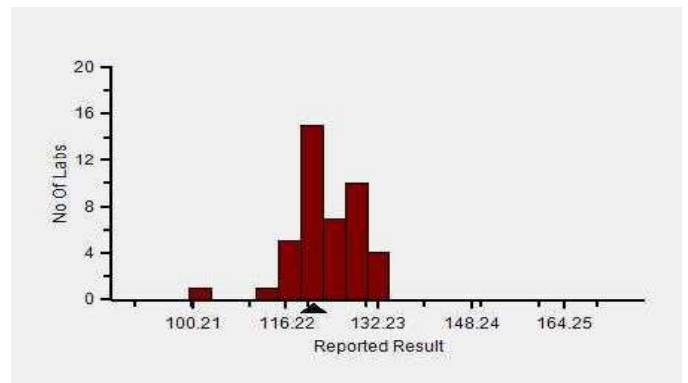
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

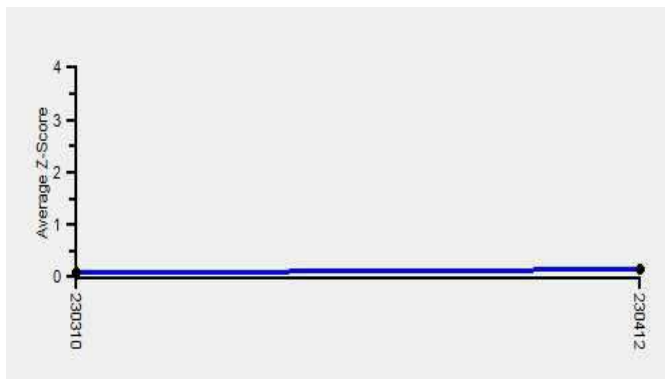
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCV (Mean Corpuscular Volume)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	222	132.37	15.71	11.87	2
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>122.79</b>	<b>5.76</b>	<b>4.69</b>	-
	Sysmex XP-100	25	115.63	6.78	5.87	-
	Horiba Yumizen H500	23	124.58	4.09	3.29	-
	Nihon Kohden Celltac Alpha	20	145.37	13.90	9.56	-
	Mindray BC-5000	14	159.79	4.64	2.90	-
	Erba ELite 580	13	142.82	1.81	1.27	-
	Horiba ABX Micros ES 60	10	124.00	5.34	4.31	1
	Sysmex XN-550	9	134.09	3.32	2.48	-

Remarks: Interpretation of your reports

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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

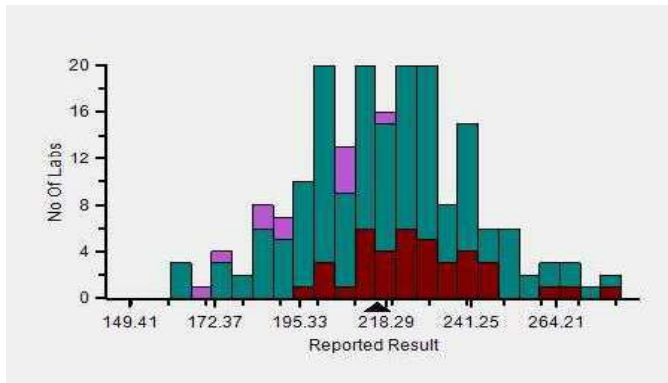
	N	Mean	SD	CV%	Excluded
All Methods	222	218.96	22.67	10.35	24
Impedance - (Your Method)	212	220.01	22.47	10.21	21
Horiba Yumizen H550 - (Your Analyzer)	44	227.36	18.07	7.95	4

**Evaluation Based On - Equipment wise Peer Grouping**

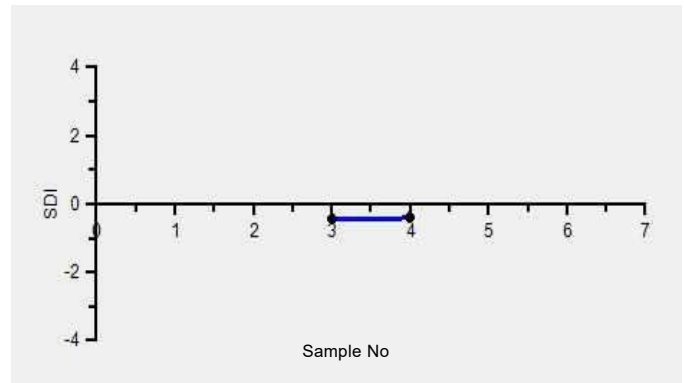
<b>Your Result</b>	216.00	<b>SDI / z-Score</b>	-0.41
<b>Assigned Value</b>	224.79	<b>Average SDI</b>	-0.44
<b>SDPA</b>	21.400	<b>Uncertainty of AV</b>	2.29
<b>Standard Unit Result Val</b>	216.00	<b>%DEV</b>	-5.00

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

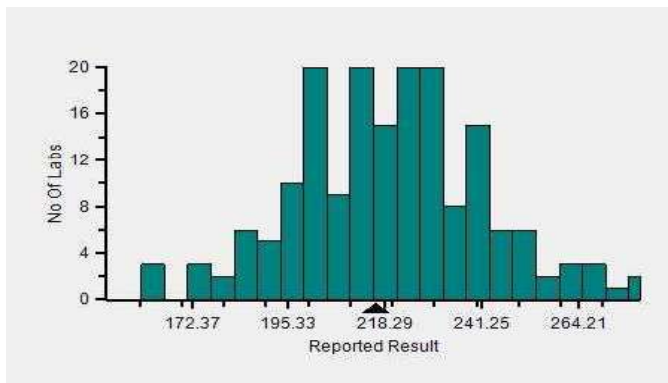
Frequency Histogram



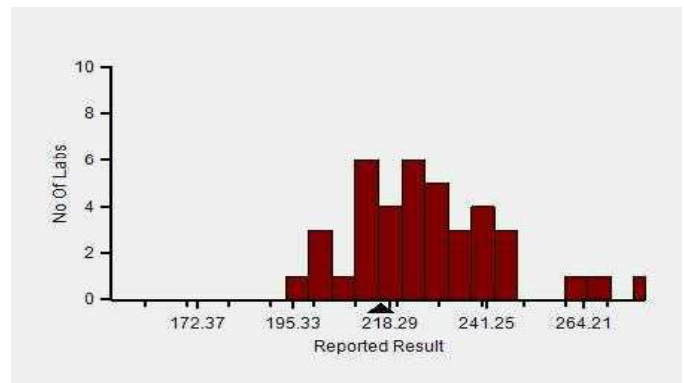
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

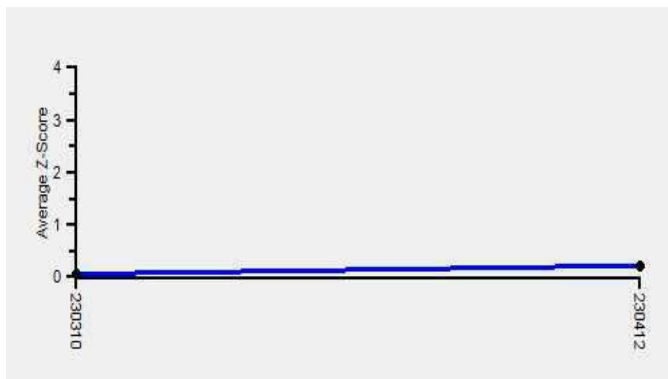
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Platelet Count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	222	218.96	22.67	10.35	24
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>227.36</b>	<b>18.07</b>	<b>7.95</b>	<b>4</b>
	Sysmex XP-100	25	208.48	17.77	8.53	2
	Horiba Yumizen H500	22	216.30	20.15	9.31	2
	Nihon Kohden Celltac Alpha	21	236.35	21.55	9.12	-
	Mindray BC-5000	14	216.77	9.71	4.48	1
	Erba ELite 580	13	218.33	10.94	5.01	1
	Horiba ABX Micros ES 60	10	221.70	23.84	10.75	-
	Sysmex XN-550	8	201.13	11.69	5.81	-

Remarks: Interpretation of your reports

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Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

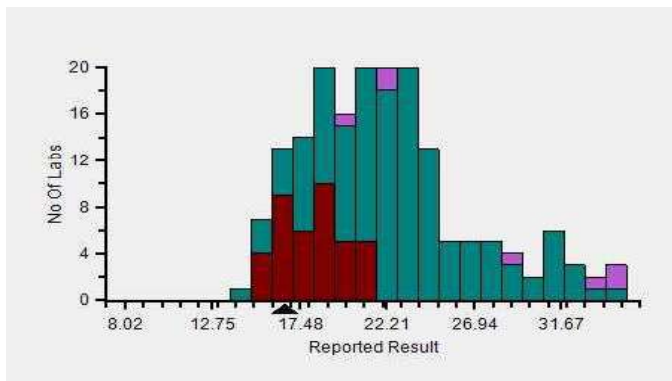
	N	Mean	SD	CV%	Excluded
All Methods	190	22.08	4.44	20.09	8
Calculated - (Your Method)	183	21.87	4.26	19.46	6
Horiba Yumizen H550 - (Your Analyzer)	41	18.24	1.80	9.85	2

**Evaluation Based On - Equipment wise Peer Grouping**

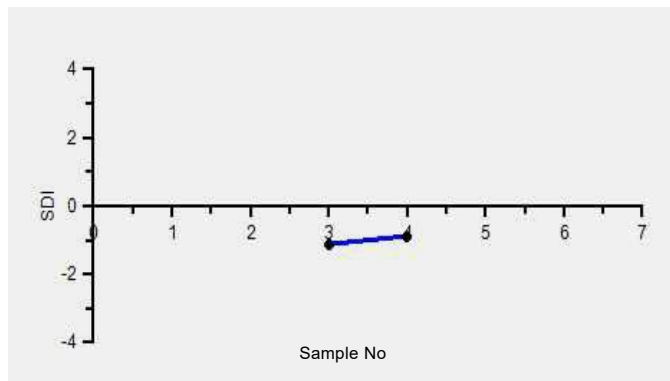
<b>Your Result</b>	16.70	<b>SDI / z-Score</b>	-0.88
<b>Assigned Value</b>	18.37	<b>Average SDI</b>	-1.00
<b>SDPA</b>	1.893	<b>Uncertainty of AV</b>	0.30
<b>Standard Unit Result Val</b>	16.70	<b>%DEV</b>	-8.43

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

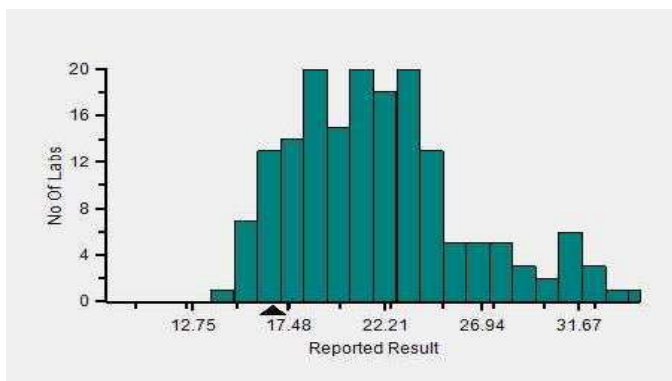
Frequency Histogram



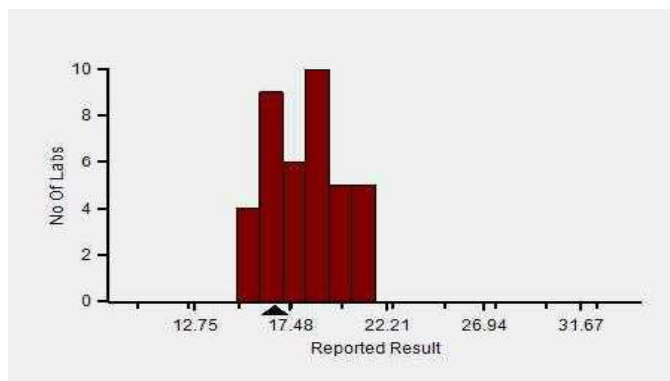
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230412

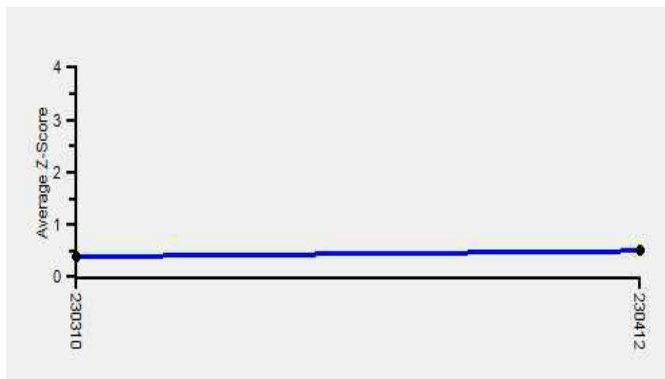
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, RDW CV%						
		N	Mean	SD	CV%	Excluded
	All Analyzer	190	22.08	4.44	20.09	8
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>41</b>	<b>18.24</b>	<b>1.80</b>	<b>9.85</b>	<b>2</b>
	System XP-100	23	23.55	4.21	17.89	-
	Horiba Yumizen H500	22	18.44	1.76	9.53	-
	Nihon Kohden Celltac Alpha	19	24.71	1.91	7.73	-
	Erba ELite 580	13	21.48	0.91	4.23	-
	Mindray BC-5000	13	30.62	2.28	7.45	1
	System XN-550	8	21.89	4.07	18.61	-
	Horiba ABX Micros ES 60	6	18.88	0.86	4.54	1

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

**Haematology - CBC, Total Leucocytes (WBC) count, / $\mu$ l**

**Comparative Statistics**

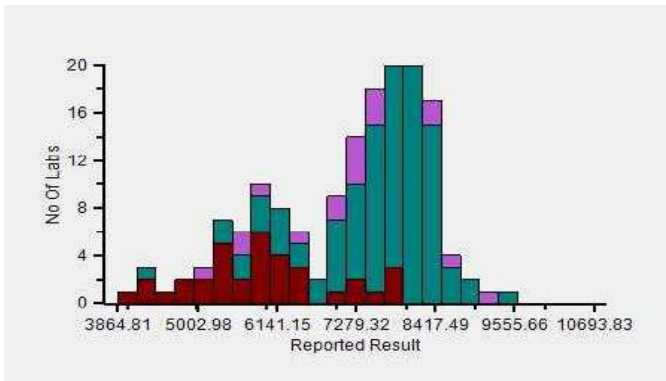
	N	Mean	SD	CV%	Excluded
All Methods	220	7,277.89	1,145.02	15.73	35
Impedance - (Your Method)	188	7,228.61	1,183.51	16.37	28
Horiba Yumizen H550 - (Your Analyzer)	43	5,806.22	1,103.90	19.01	5

**Evaluation Based On - Equipment wise Peer Grouping**

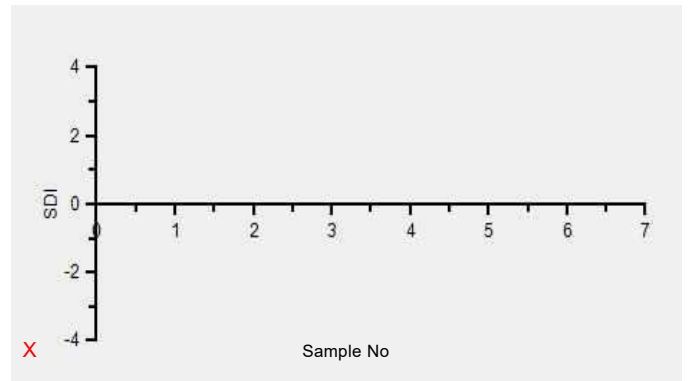
Your Result	6.31	SDI / z-Score	*
Assigned Value	6,017.66	Average SDI	0.00
SDPA	952.966	Uncertainty of AV	165.19
Standard Unit Result Val	6.31	%DEV	-99.89

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

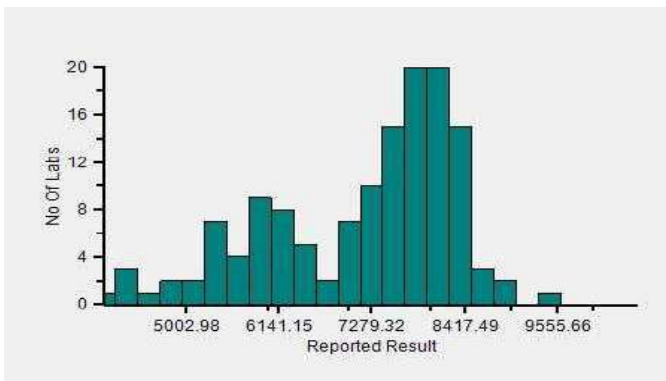
Frequency Histogram



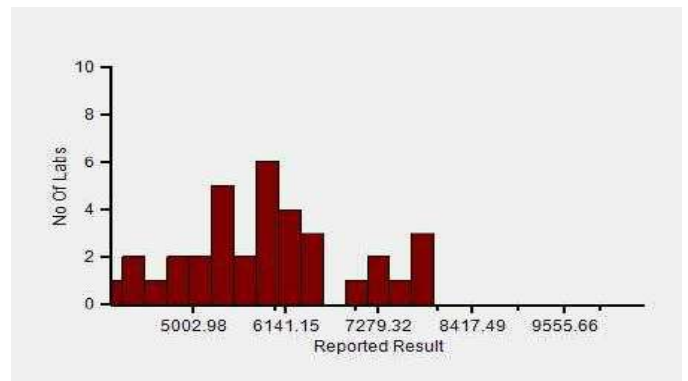
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Total Leucocytes (WBC) count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	220	7,277.89	1,145.02	15.73	35
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>43</b>	<b>5,806.22</b>	<b>1,103.90</b>	<b>19.01</b>	<b>5</b>
	Systemx XP-100	25	7,616.00	632.25	8.30	-
	Horiba Yumizen H500	22	5,897.65	716.64	12.15	5
	Nihon Kohden Celltac Alpha	21	7,947.50	231.36	2.91	5
	Erba ELite 580	14	8,336.36	305.20	3.66	3
	Mindray BC-5000	14	7,907.50	299.88	3.79	2
	Horiba ABX Micros ES 60	10	7,640.00	416.87	5.46	-
	Systemx XN-550	9	8,105.00	262.05	3.23	3

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

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End of Report





# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230412 and Sample No 02

Report Date : 13/02/2024

Analyte	Instrument	Result Value	Standard Unit
No Outlier			
Legend @ : Acceptable X : Unacceptable # : Not Evaluated 🕒 Delayed Result Entry			

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

\_\_\_\_\_

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

\_\_\_\_\_

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

**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Neutrophil.	-	>70%	>70%
@ Lymphocyte.	-	<20%	<20%
@ Eosinophil.	-	<6%	<6%

Legend @ : Acceptable  
 @ : Acceptable  
 X : Unacceptable  
 # : Not Evaluated  
 ⌚ : Delayed Result Entry

Total Parameters	3
Not Evaluated Parameters	0
Evaluated Parameters	3
Outlier Parameters (X)	0
EQAS Score Haematology-PS Slide Count Qualitative	100.00 %



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 Mumbai - 400070

Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

**Haematology-PS Slide Count Qualitative, Eosinophil., -**

■ All Methods

■ Microscopy - (Your Method)

■ - - (Your Analyzer)

N

42

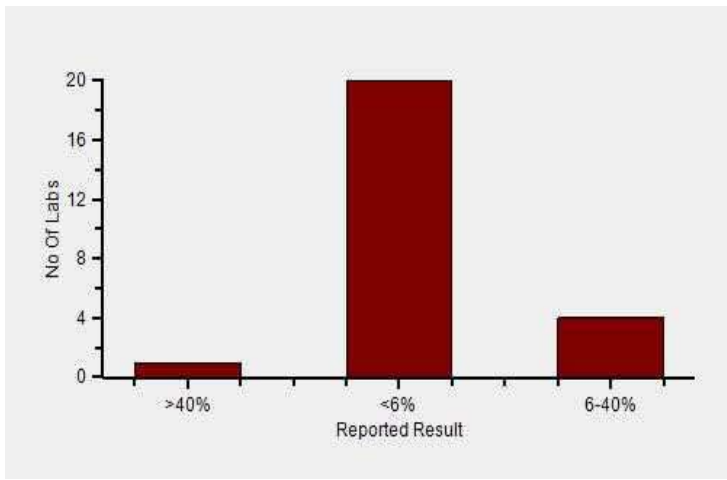
42

42

<b>Your Result</b>	<6%
<b>Result Expected</b>	<6%

Note : # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Cycle No : 230412

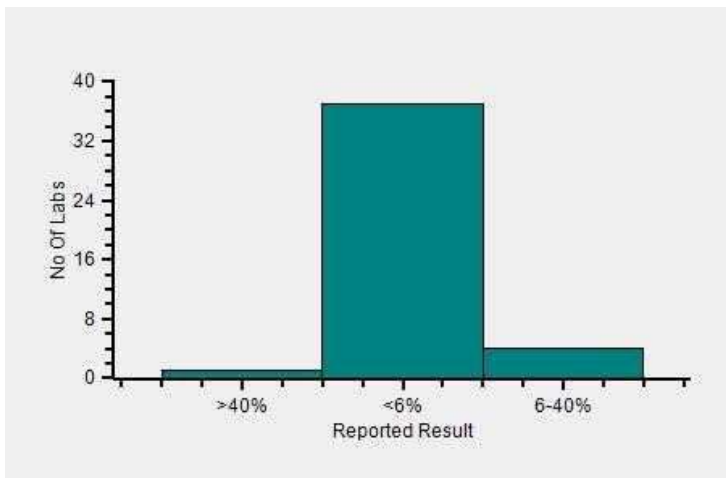
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

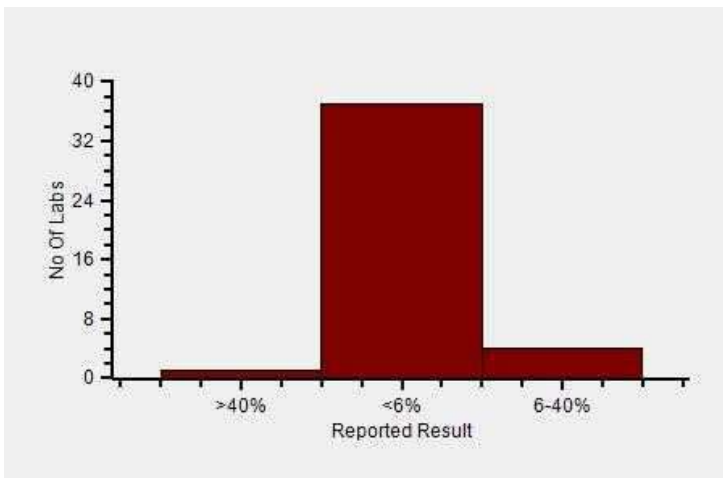
Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

>40%	: >40%
<10%	: <10%
<6%	: <6%
<1%	: <1%
6-40%	: 6-40%
1-6%	: 1-6%
>6%	: >6%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

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- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

**Haematology-PS Slide Count Qualitative, Lymphocyte., -**

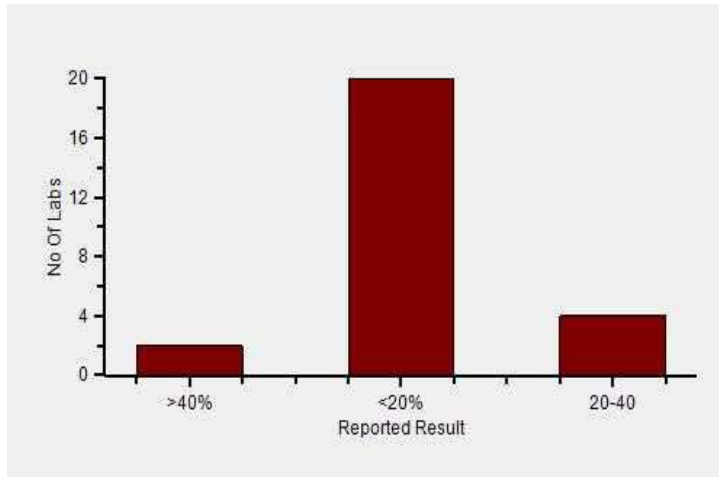
- All Methods
- Microscopy - (Your Method)
- - - (Your Analyzer)

N  
42  
42  
42

<b>Your Result</b>	<20%
<b>Result Expected</b>	<20%

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Cycle No : 230412

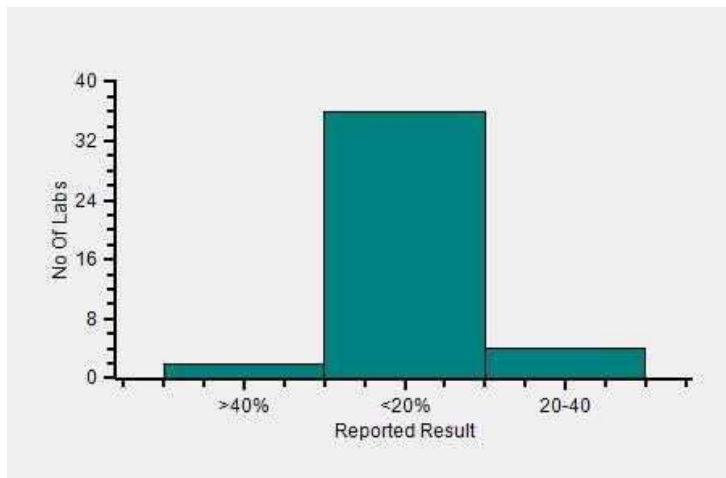
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

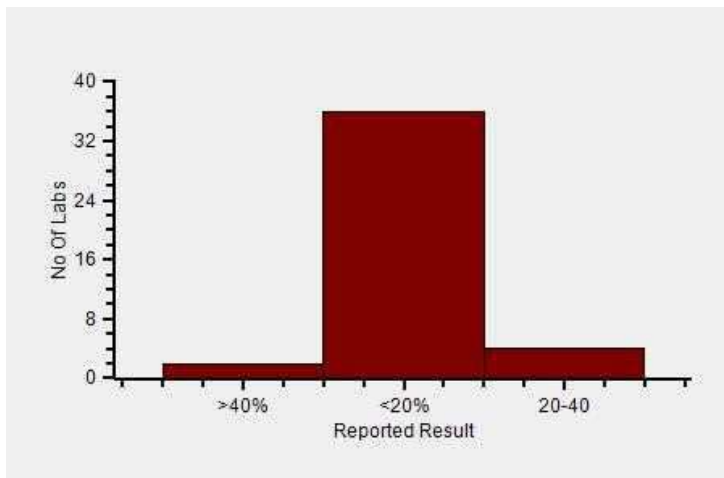
Report Date : 13/02/2024

Sample Date : 23/12/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

>40%	: >40%
<20%	: <20%
20-30%	: 20-30%
>25%	: >25%
20-40	: 20-40%
<25%	: <25%
25-50%	: 25-50%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

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- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 13/02/2024

Sample Date : 23/12/2023

**Haematology-PS Slide Count Qualitative, Neutrophil., -**

■ All Methods

N

■ Microscopy - (Your Method)

42

■ - - (Your Analyzer)

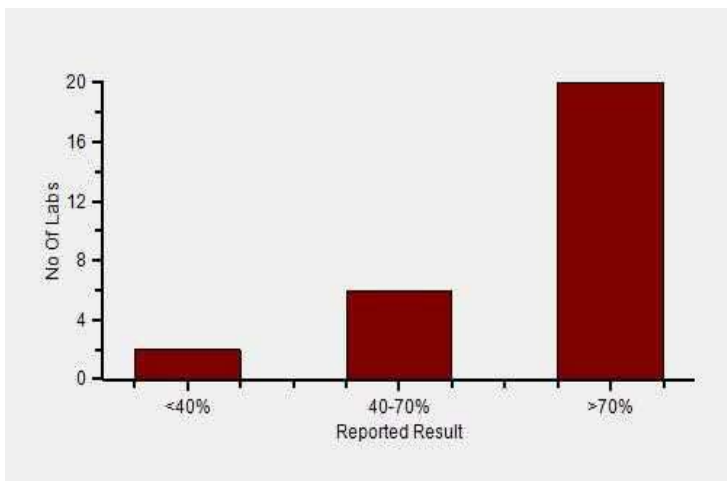
42

42

<b>Your Result</b>	>70%
<b>Result Expected</b>	>70%

Note : # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

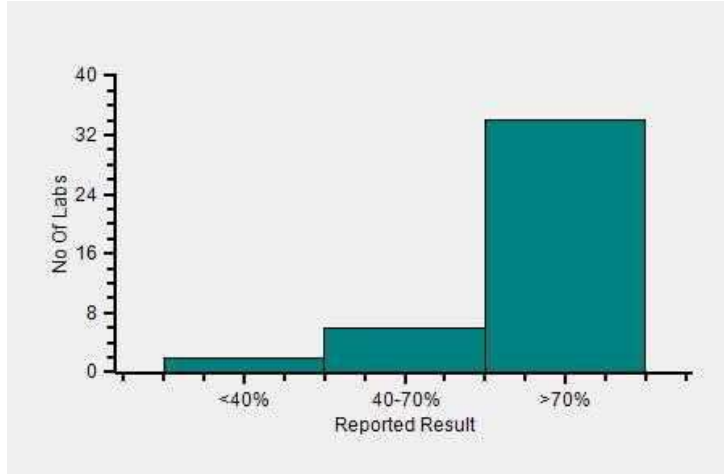
Report Date : 13/02/2024

Cycle No : 230412

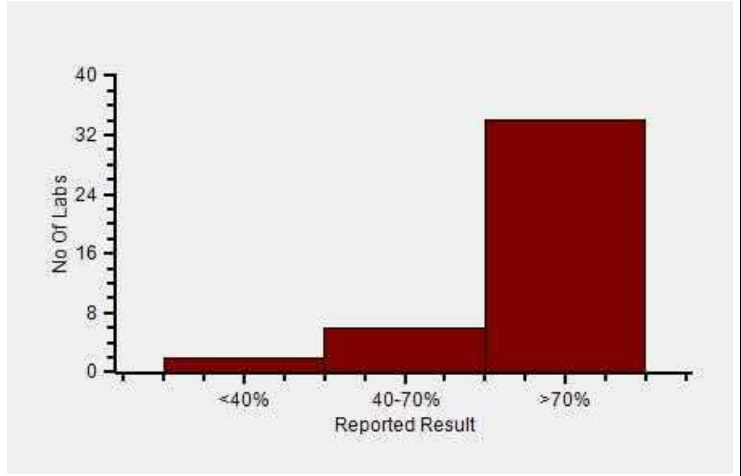
Sample No : 02

Sample Date : 23/12/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

<b>60-80%</b>	: 60-80%
<b>&lt;40%</b>	: <40%
<b>40-70%</b>	: 40-70%
<b>&gt;70%</b>	: >70%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
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- Both failed - Unacceptable performance, Review for systematic error

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- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**

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Page 6 of 6





# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230412 and Sample No 02

Report Date : 13/02/2024

Analyte	Instrument	Result Value	Standard Unit
No Outlier			
Legend @ : Acceptable X : Unacceptable # : Not Evaluated 🕒 Delayed Result Entry			

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


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

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

**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Diagnosis (Slide)	-	Neutrophilic Leucocytosis	Neutrophilic Leucocytosis
Legend @ : Acceptable		Total Parameters	1
@ : Acceptable		Not Evaluated Parameters	0
X : Unacceptable		Evaluated Parameters	1
# : Not Evaluated		Outlier Parameters (X)	0
⌚ : Delayed Result Entry		EQAS Score Haematology- Peripheral smear diagnosis	100.00 %



**Dr Puneet Kumar Nigam**  
PT coordinator & Technical Manager, MHL EQAS  
Unit No. 409-416.  
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Mumbai - 400070

Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

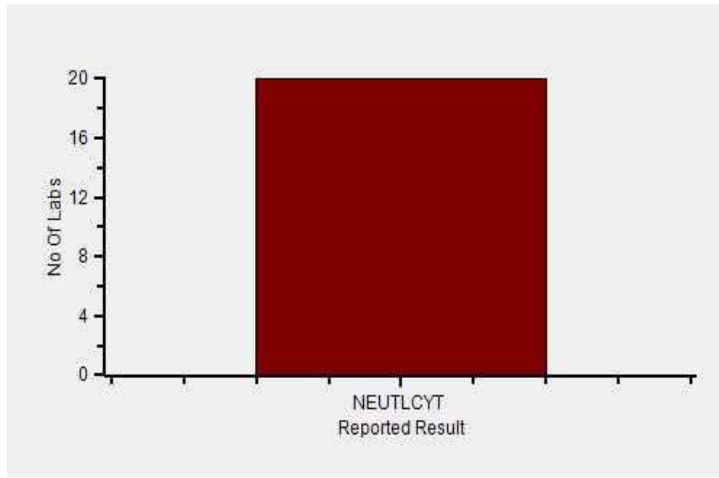
**Haematology- Peripheral smear diagnosis, Diagnosis (Slide), -**

	<b>N</b>
■ All Methods	29
■ -- (Your Method)	29
■ -- (Your Analyzer)	29

<b>Your Result</b>	Neutrophilic Leucocytosis
<b>Result Expected</b>	NEUTLCYT

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

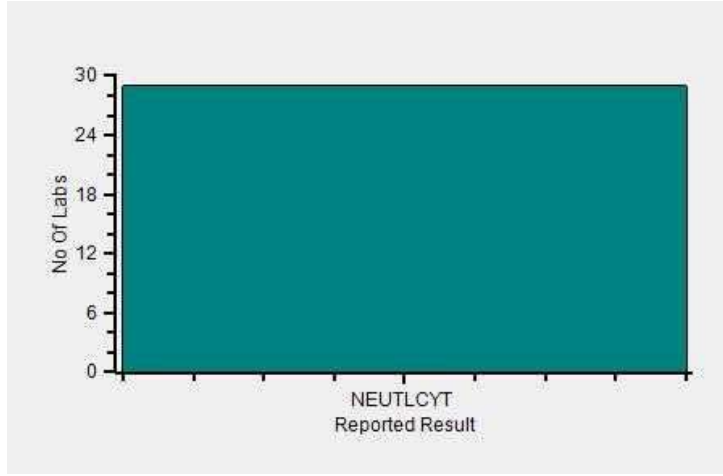
Report Date : 13/02/2024

Cycle No : 230412

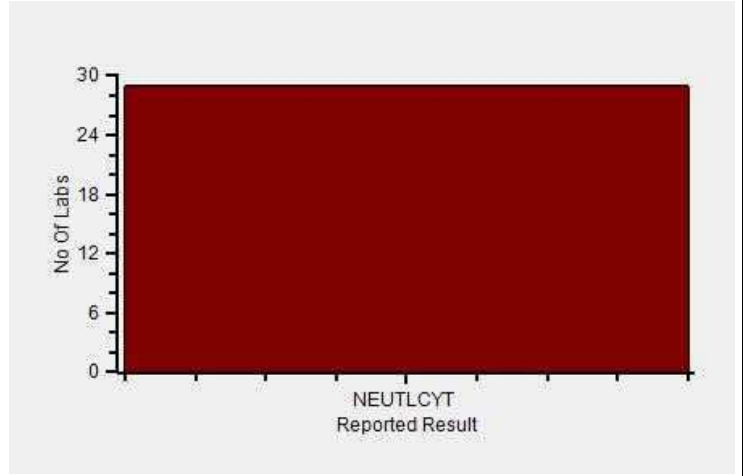
Sample No : 02

Sample Date : 23/12/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

- Nor** : Normal
- Abn** : Abnormal
- CLL/ CLD** : CLL/Chronic lymphoproliferative disorder
- ACUTLEUK** : Acute Leukemia
- MA** : Microcytic hypochromic anaemia
- Eos** : Eosinophilia
- PV** : P. vivax
- Leu** : Leucopenia
- NEUTLCYT** : Neutrophilic Leucocytosis
- DIMANETH** : Dimorphic Anaemia with Thrombocytopenia
- EOSP LEU** : Eosinophilic leucocytosis
- LEUWTHRO** : Leucopenia with Thrombocytopenia
- PPVSN** : P. falciparum and P. vivax seen

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

- 
- |                         |   |
|-------------------------|---|
| • One out of three pass | - Unacceptable performance, Review for systematic error |
| • All failed            | - Unacceptable performance, Review for systematic error |

*Dr Puneet Kumar Nigam*

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Page 3 of 3



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 03

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
* Total Leucocytes (WBC) count	Horiba Yumizen H550	1.85	/c.mm	*
Legend @ : z score $\leq$ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated ⌚ : Delayed Result Entry * : Not considered for evaluation.				

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Dated: \_\_\_\_\_

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	1.04	1.02	0.01	-0.02
* Total Leucocytes (WBC) count	/c.mm	1.85	1835.53	-6.40 *	0.00
@ Haemoglobin	g/dL	2.70	2.68	0.00	0.05
@ MCV (Mean Corpuscular Volume)	fL	123.50	125.66	-0.21	-0.25
@ MCH (Mean Corpuscular Hb)	pg	26.10	26.65	0.03	0.08
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	21.10	20.97	0.25	0.29
@ Platelet Count	1000/ µL	75.00	87.19	-0.46	-0.19
@ Hematocrit	%	12.80	12.66	-0.21	-0.22
@ RDW CV%	%	17.90	24.07	-1.51	-1.16

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score ≥3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	1
EQAS Score Haematology - CBC	88.89 %



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# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 04

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
* Total Leucocytes (WBC) count	Horiba Yumizen H550	3.52	/c.mm	*
Legend @ : z score $\leq$ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score $\geq$ 3 - Unacceptable # : Not Evaluated ⌚ : Delayed Result Entry * : Not considered for evaluation.				

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

\_\_\_\_\_

\_\_\_\_\_

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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

Dated: \_\_\_\_\_



Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	1.48	1.45	-0.05	-0.02
* Total Leucocytes (WBC) count	/c.mm	3.52	3456.41	-7.30 *	0.00
@ Haemoglobin	g/dL	4.10	4.05	0.10	0.05
@ MCV (Mean Corpuscular Volume)	fL	121.70	124.09	-0.29	-0.25
@ MCH (Mean Corpuscular Hb)	pg	27.70	27.88	0.12	0.08
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	22.80	22.18	0.33	0.29
@ Platelet Count	1000/ $\mu$ L	145.00	151.44	0.09	-0.19
@ Hematocrit	%	17.90	17.87	-0.23	-0.22
@ RDW CV%	%	19.20	22.46	-0.81	-1.16

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	1
EQAS Score Haematology - CBC	88.89 %



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Mumbai - 400070



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 02

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit
No Outlier			
Legend @ : Acceptable X : Unacceptable # : Not Evaluated 🕒 Delayed Result Entry			

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

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

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

**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Diagnosis (Slide)	-	Neutrophilic Leucocytosis	Neutrophilic Leucocytosis
Legend @ : Acceptable		Total Parameters	1
@ : Acceptable		Not Evaluated Parameters	0
X : Unacceptable		Evaluated Parameters	1
# : Not Evaluated		Outlier Parameters (X)	0
⌚ : Delayed Result Entry		EQAS Score Haematology- Peripheral smear diagnosis	100.00 %



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Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kiroil Road, Kurla (W),  
Mumbai - 400070



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS,LTD,MOGA (1054)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 02

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit
No Outlier			
Legend @ : Acceptable X : Unacceptable # : Not Evaluated 🕒 Delayed Result Entry			

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

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

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

**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Neutrophil.	-	>70%	>70%
@ Lymphocyte.	-	<20%	<20%
@ Eosinophil.	-	<6%	<6%

Legend @ : Acceptable  
 @ : Acceptable  
 X : Unacceptable  
 # : Not Evaluated  
 ⌚ : Delayed Result Entry

Total Parameters	3
Not Evaluated Parameters	0
Evaluated Parameters	3
Outlier Parameters (X)	0
EQAS Score Haematology-PS Slide Count Qualitative	100.00 %



**Dr Puneet Kumar Nigam**  
 PT coordinator & Technical Manager, MHL EQAS  
 Unit No. 409-416.  
 Commercial Building - 1A  
 Kohinoor Mall, Kiroi Road, Kurla (W),  
 Mumbai - 400070

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

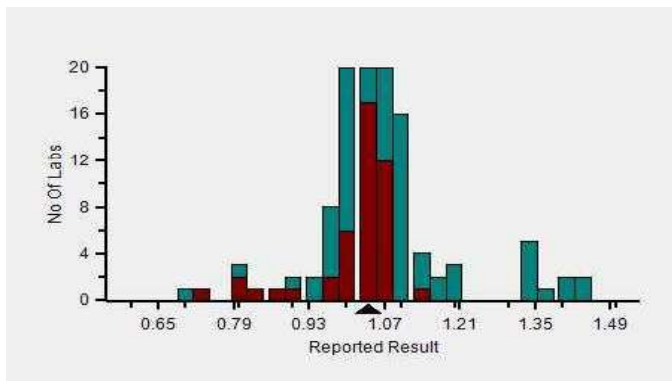
	N	Mean	SD	CV%	Excluded
All Methods	170	1.07	0.14	13.35	7
Impedance - (Your Method)	164	1.07	0.14	13.27	6
Horiba Yumizen H550 - (Your Analyzer)	46	1.02	0.11	10.71	1

**Evaluation Based On - Equipment wise Peer Grouping**

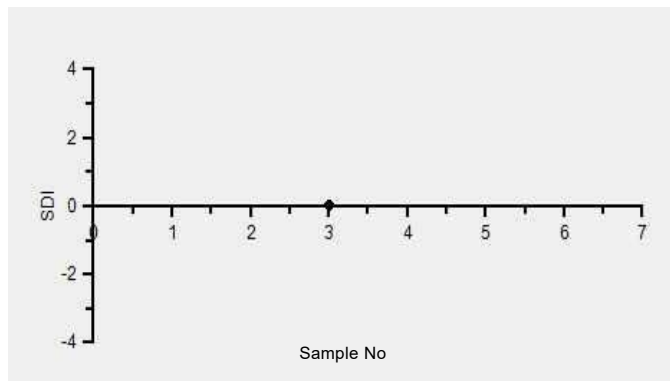
Your Result	1.04	SDI / z-Score	0.01
Assigned Value	1.04	Average SDI	0.01
SDPA	0.160	Uncertainty of AV	0.03
Standard Unit Result Val	1.04	%DEV	2.16

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

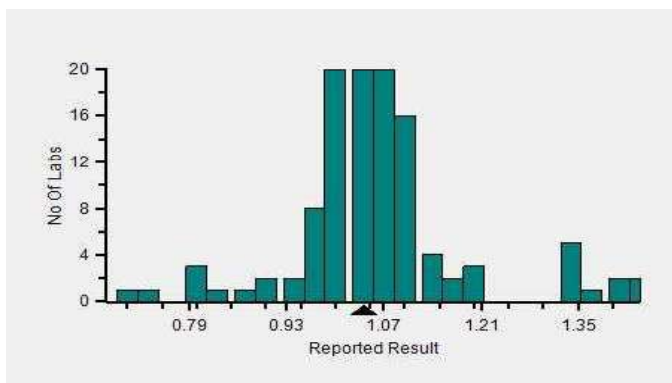
Frequency Histogram



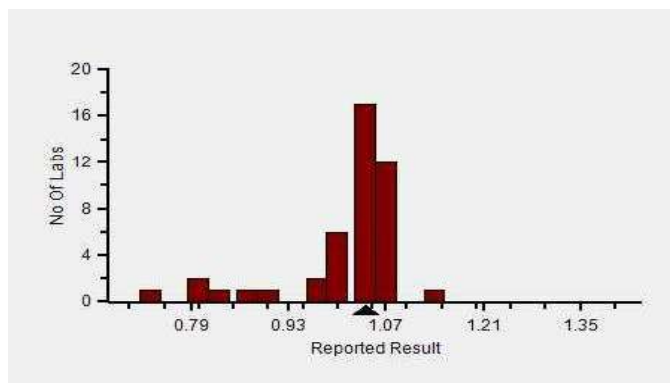
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Erythrocyte (RBC) Count**

		N	Mean	SD	CV%	Excluded
	All Analyzer	170	1.07	0.14	13.35	7
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>1.02</b>	<b>0.11</b>	<b>10.71</b>	<b>1</b>
	Horiba Yumizen H500	17	1.08	0.17	15.54	-
	Erba ELite 580	13	1.02	0.03	2.46	-
	Mindray BC-5000	12	1.04	0.04	3.35	-
	Horiba ABX Pentra XL 80	8	1.36	0.16	11.96	-
	Nihon Kohden Celltac Alpha	6	1.09	0.03	2.39	-
	Sysmex XP-100	5	1.21	0.23	18.62	-
	Beckman Coulter DxH 560	5	1.04	0.01	1.06	-

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
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- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	2.86	0.38	13.37	15
Photometric - (Your Method)	44	2.87	0.46	16.14	4
Horiba Yumizen H550 - (Your Analyzer)	46	2.68	0.07	2.53	2

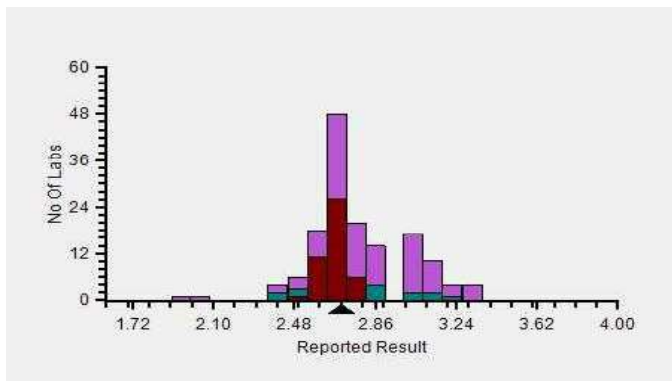
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	2.70	SDI / z-Score	0.00
Assigned Value	2.70	Average SDI	0.00
SDPA	0.240	Uncertainty of AV	0.04
Standard Unit Result Val	2.70	%DEV	0.60

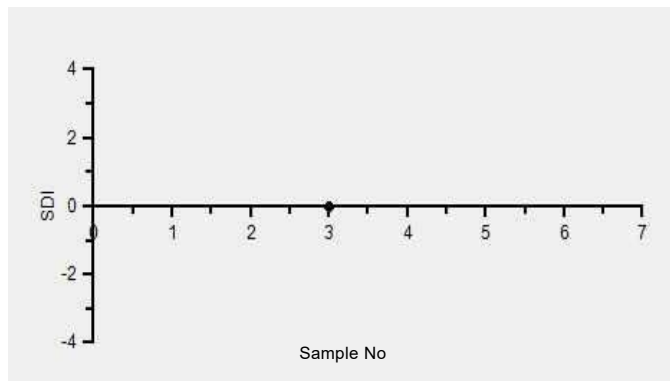
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

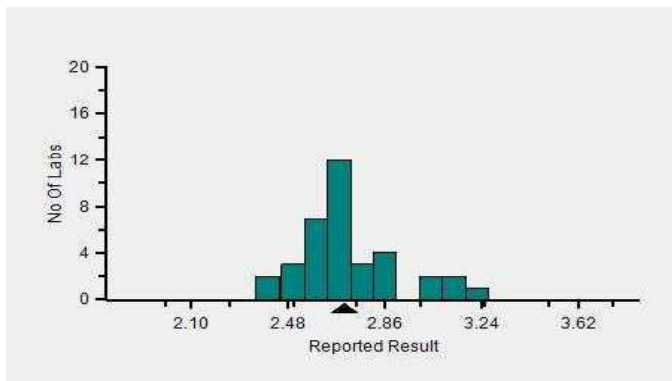
Frequency Histogram



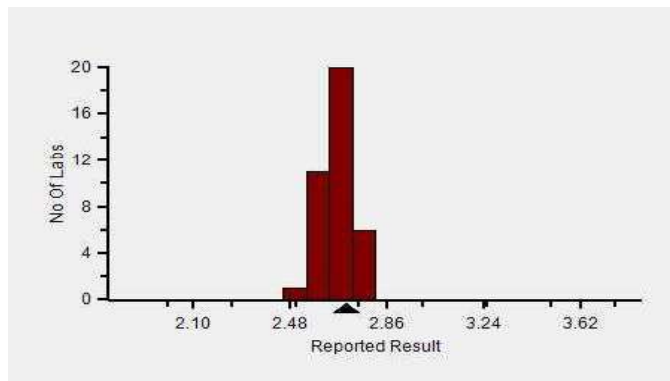
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Haemoglobin**

		N	Mean	SD	CV%	Excluded
	All Analyzer	170	2.86	0.38	13.37	15
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>2.68</b>	<b>0.07</b>	<b>2.53</b>	<b>2</b>
	Horiba Yumizen H500	17	2.71	0.06	2.36	2
	Erba ELite 580	13	2.70	0.06	2.15	-
	Horiba ABX Pentra XL 80	8	4.23	0.08	1.80	1
	Mindray BC 5000	8	3.11	0.06	2.06	-
	Nihon Kohden Celltac Alpha	6	2.90	0.30	10.49	-
	Sysmex XP-100	5	3.08	0.15	4.88	1
	Beckman Coulter DxH 560	5	2.47	0.06	2.59	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- All pass - Acceptable performance
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- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 03

Sample Date : 07/10/2023

**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	163	13.35	1.61	12.05	9
Calculated - (Your Method)	101	13.11	1.58	12.03	5
Horiba Yumizen H550 - (Your Analyzer)	46	12.66	1.44	11.39	2

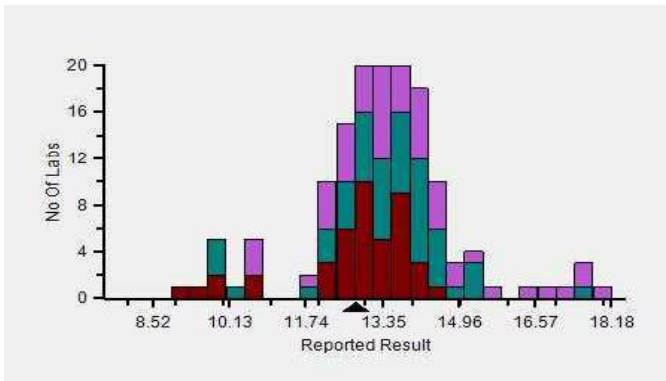
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	12.80	SDI / z-Score	-0.21
Assigned Value	13.14	Average SDI	-0.11
SDPA	1.650	Uncertainty of AV	0.28
Standard Unit Result Val	12.80	%DEV	1.10

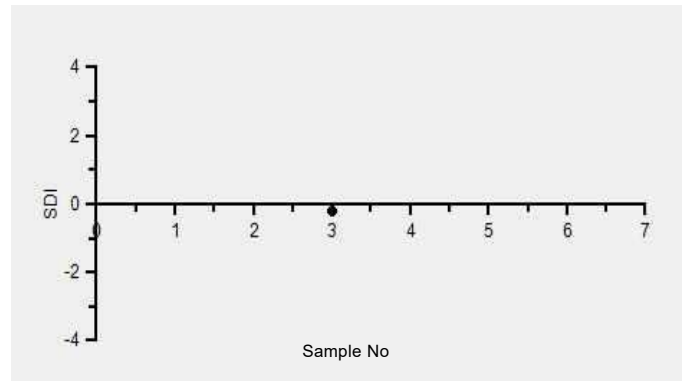
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

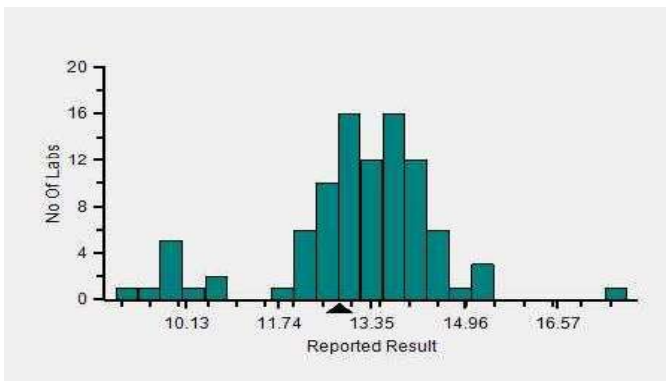
Frequency Histogram



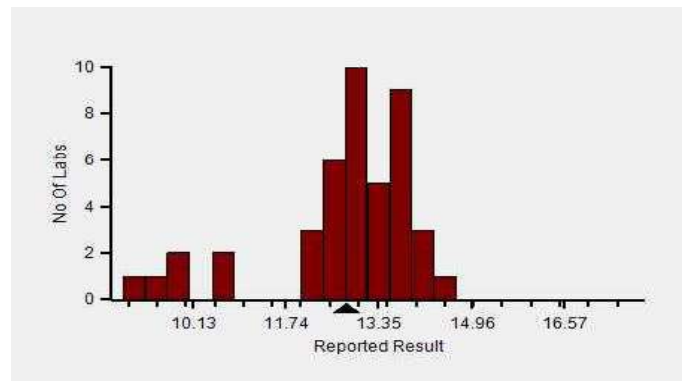
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Hematocrit**

		N	Mean	SD	CV%	Excluded
	All Analyzer	163	13.35	1.61	12.05	9
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>12.66</b>	<b>1.44</b>	<b>11.39</b>	<b>2</b>
	Horiba Yumizen H500	17	13.36	1.58	11.79	1
	Erba ELite 580	13	13.54	0.44	3.23	-
	Mindray BC-5000	12	13.98	1.38	9.86	-
	Horiba ABX Pentra XL 80	7	15.42	2.57	16.68	1
	Nihon Kohden Celltac Alpha	6	13.87	1.02	7.35	-
	Beckman Coulter DxH 560	5	13.30	0.27	1.99	-
	Horiba ABX Micros ES 60	5	12.18	0.41	3.38	1

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

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- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	27.27	2.32	8.50	4
Calculated - (Your Method)	118	27.28	2.32	8.52	3
Horiba Yumizen H550 - (Your Analyzer)	45	26.65	1.97	7.39	1

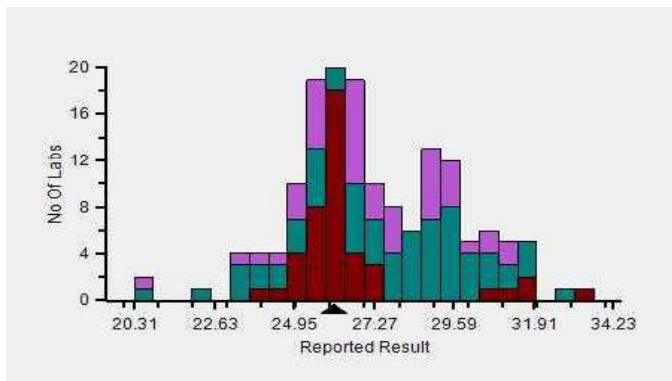
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	26.10	SDI / z-Score	0.03
Assigned Value	26.03	Average SDI	0.02
SDPA	2.490	Uncertainty of AV	0.41
Standard Unit Result Val	26.10	%DEV	-2.05

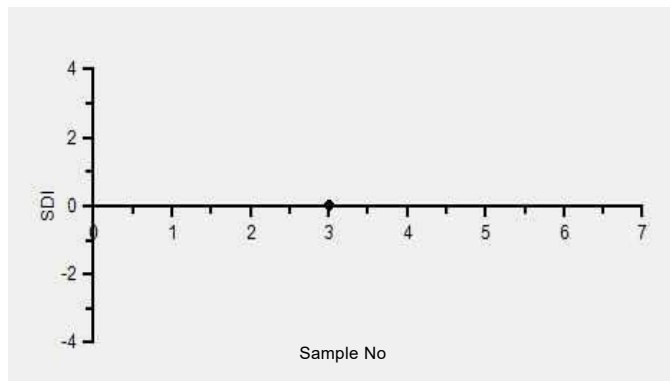
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

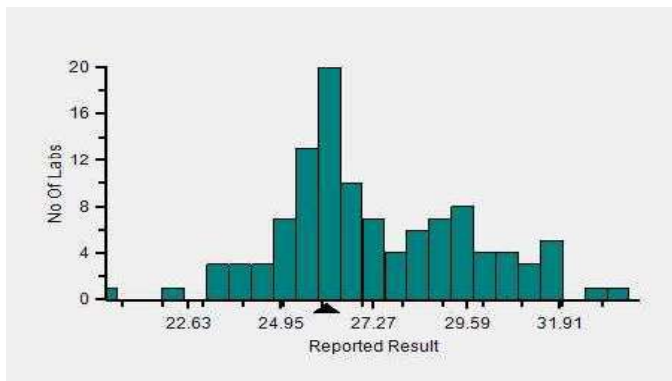
Frequency Histogram



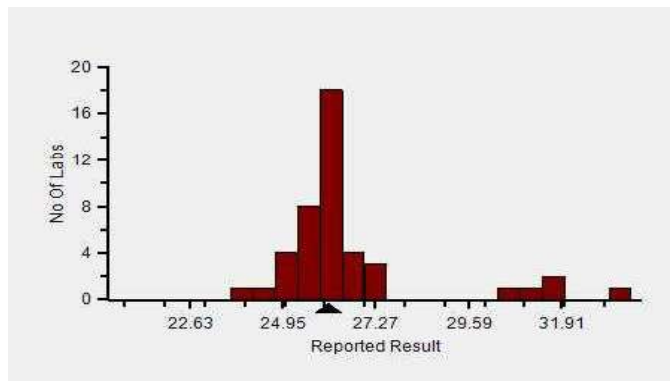
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCH (Mean Corpuscular Hb)		N	Mean	SD	CV%	Excluded
	All Analyzer	170	27.27	2.32	8.50	4
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>45</b>	<b>26.65</b>	<b>1.97</b>	<b>7.39</b>	<b>1</b>
	Horiba Yumizen H500	18	26.51	1.78	6.73	-
	Erba ELite 580	13	26.53	0.45	1.68	-
	Mindray BC-5000	12	29.88	0.96	3.21	-
	Horiba ABX Pentra XL 80	8	28.06	3.43	12.23	1
	Nihon Kohden Celltac Alpha	6	26.71	2.52	9.45	-
	Sysmex XP-100	5	27.55	1.98	7.19	-
	Beckman Coulter DxH 560	5	23.86	0.48	2.00	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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Interpretation when an analyte is reported for multiple samples in a Round:

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- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 03

Sample Date : 07/10/2023

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	21.53	2.56	11.88	6
Calculated - (Your Method)	117	21.22	2.26	10.65	5
Horiba Yumizen H550 - (Your Analyzer)	44	20.97	2.05	9.79	2

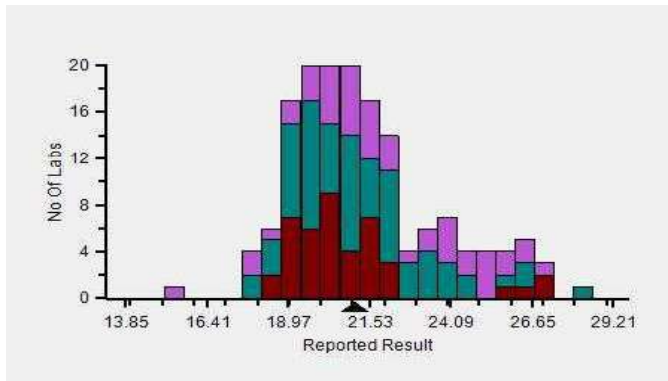
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	21.10	SDI / z-Score	0.25
Assigned Value	20.53	Average SDI	0.13
SDPA	2.300	Uncertainty of AV	0.38
Standard Unit Result Val	21.10	%DEV	0.62

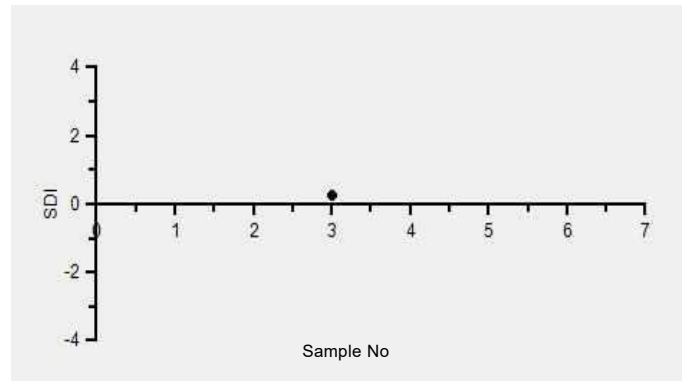
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

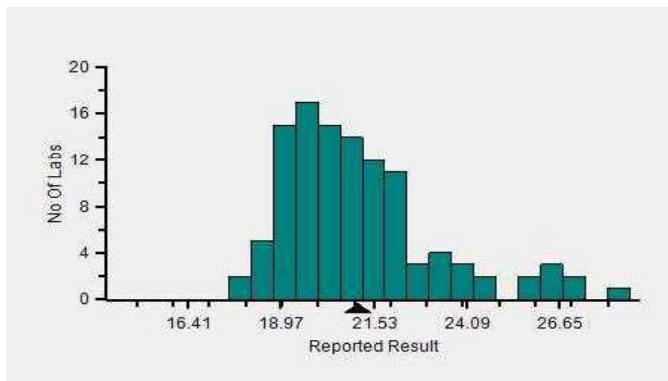
Frequency Histogram



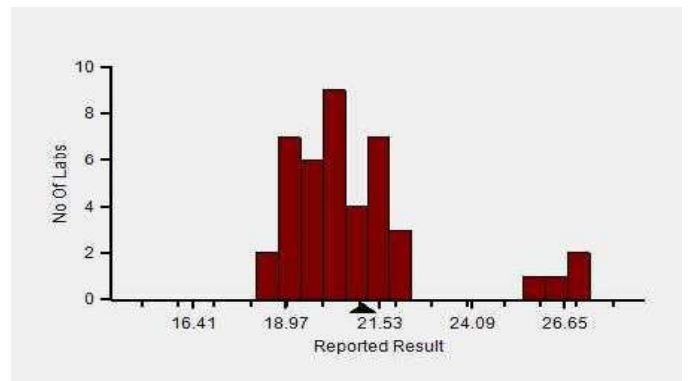
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	170	21.53	2.56	11.88	6
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>44</b>	<b>20.97</b>	<b>2.05</b>	<b>9.79</b>	<b>2</b>
	Horiba Yumizen H500	19	20.98	2.10	9.99	-
	Erba ELite 580	13	19.92	0.57	2.84	-
	Mindray BC-5000	12	21.67	0.81	3.73	1
	Horiba ABX Pentra XL 80	8	26.19	3.24	12.38	-
	Nihon Kohden Celltac Alpha	6	21.10	3.19	15.10	-
	Sysmex XP-100	5	24.28	1.59	6.56	-
	Beckman Coulter DxH 560	5	18.60	0.70	3.74	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	127.18	10.21	8.03	1
Calculated - (Your Method)	98	128.18	10.24	7.99	--
Horiba Yumizen H550 - (Your Analyzer)	45	125.66	7.74	6.16	--

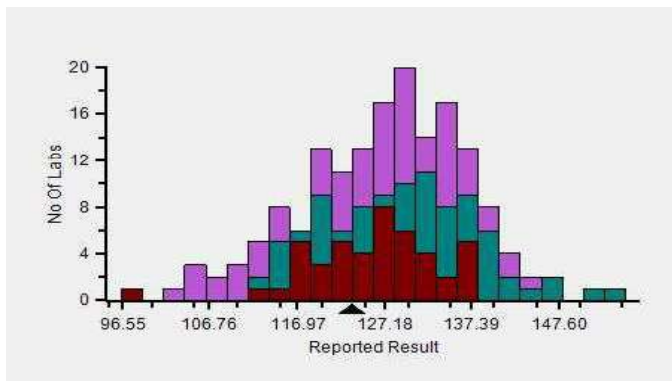
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	123.50	SDI / z-Score	-0.21
Assigned Value	126.21	Average SDI	-0.11
SDPA	13.200	Uncertainty of AV	2.02
Standard Unit Result Val	123.50	%DEV	-1.72

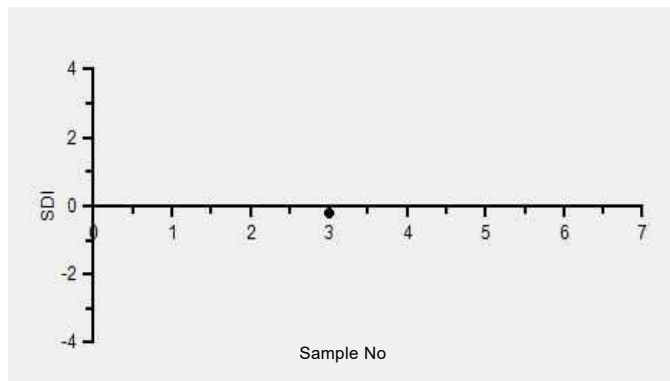
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

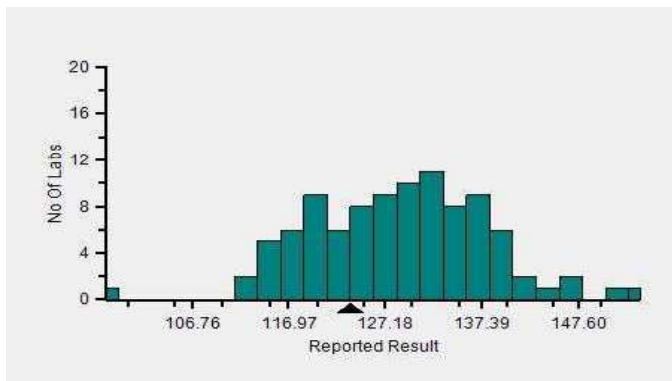
Frequency Histogram



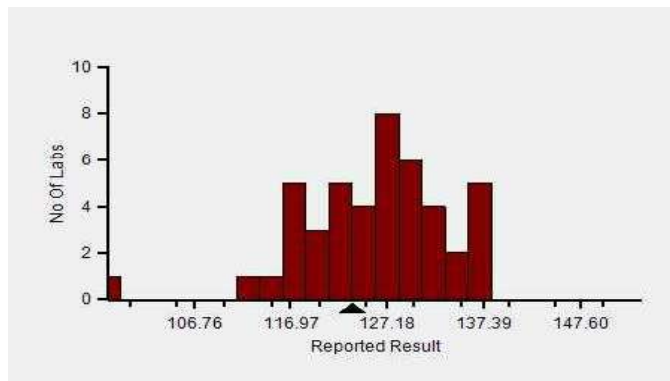
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230310

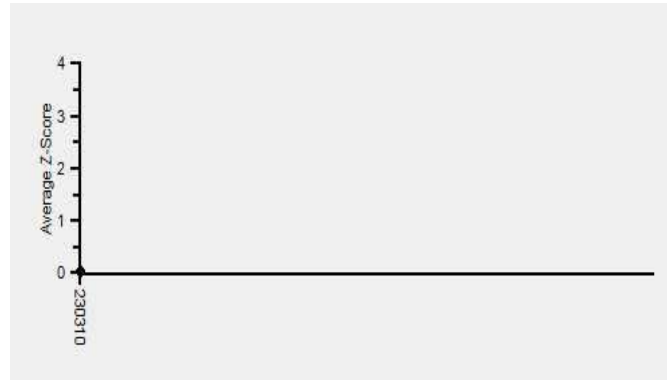
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCV (Mean Corpuscular Volume)		N	Mean	SD	CV%	Excluded
	All Analyzer	170	127.18	10.21	8.03	1
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>45</b>	<b>125.66</b>	<b>7.74</b>	<b>6.16</b>	-
	Horiba Yumizen H500	18	128.24	4.71	3.67	-
	Erba ELite 580	13	133.26	3.51	2.63	-
	Mindray BC-5000	12	138.14	3.63	2.63	1
	Horiba ABX Pentra XL 80	8	113.75	8.57	7.53	-
	Nihon Kohden Celltac Alpha	6	127.61	9.28	7.27	-
	Sysmex XP-100	5	113.34	2.03	1.79	-
	Beckman Coulter DxH 560	5	128.64	2.23	1.73	-

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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b) Reported on 3 samples:

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- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	83.98	16.56	19.71	27
Impedance - (Your Method)	159	83.87	15.70	18.72	26
Horiba Yumizen H550 - (Your Analyzer)	46	87.19	11.88	13.63	4

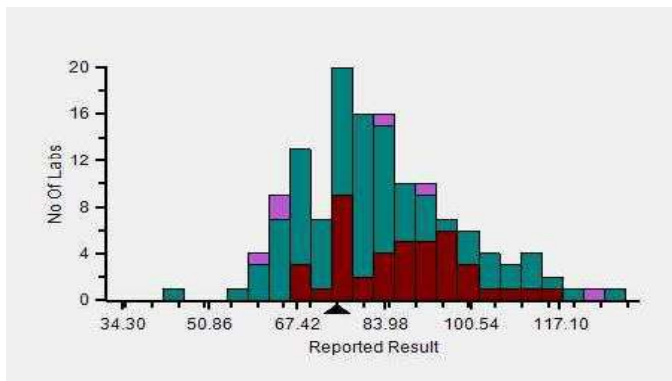
**Evaluation Based On - Equipment wise Peer Grouping**

<b>Your Result</b>	75.00	<b>SDI / z-Score</b>	-0.46
<b>Assigned Value</b>	81.43	<b>Average SDI</b>	-0.23
<b>SDPA</b>	14.055	<b>Uncertainty of AV</b>	2.27
<b>Standard Unit Result Val</b>	75.00	<b>%DEV</b>	-13.98

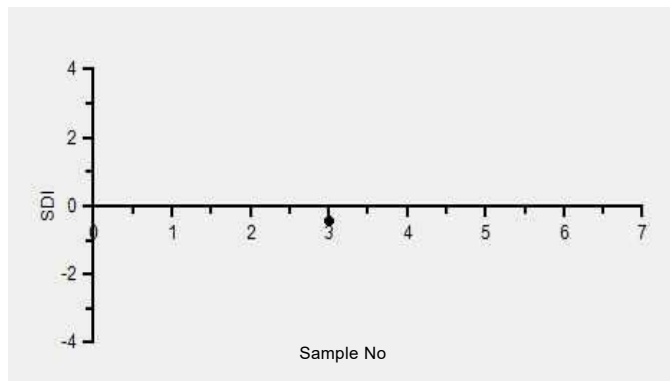
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

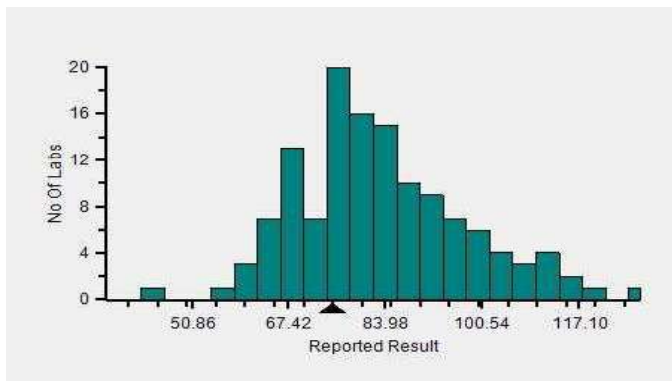
Frequency Histogram



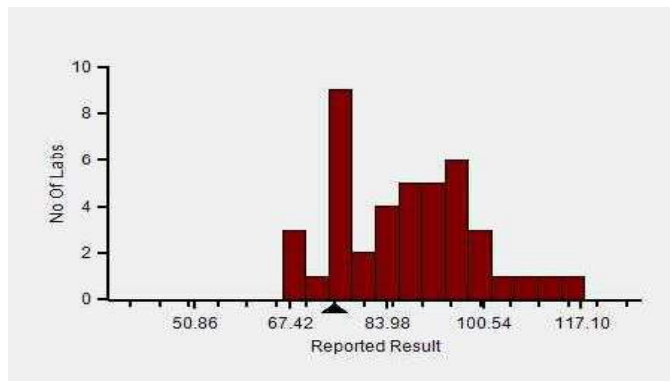
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Platelet Count		N	Mean	SD	CV%	Excluded
	All Analyzer	170	83.98	16.56	19.71	27
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>87.19</b>	<b>11.88</b>	<b>13.63</b>	<b>4</b>
	Horiba Yumizen H500	17	74.44	17.84	23.97	1
	Erba ELite 580	13	80.17	4.71	5.87	1
	Mindray BC-5000	12	79.46	6.02	7.58	1
	Horiba ABX Pentra XL 80	8	134.00	10.86	8.11	4
	Nihon Kohden Celltac Alpha	6	77.93	12.12	15.56	-
	Sysmex XP-100	5	71.25	8.06	11.31	1
	Beckman Coulter DxH 560	5	83.94	3.00	3.58	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



PC-1022

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	161	27.35	6.33	23.16	8
Calculated - (Your Method)	144	27.07	6.33	23.36	7
Horiba Yumizen H550 - (Your Analyzer)	45	24.07	4.22	17.54	2

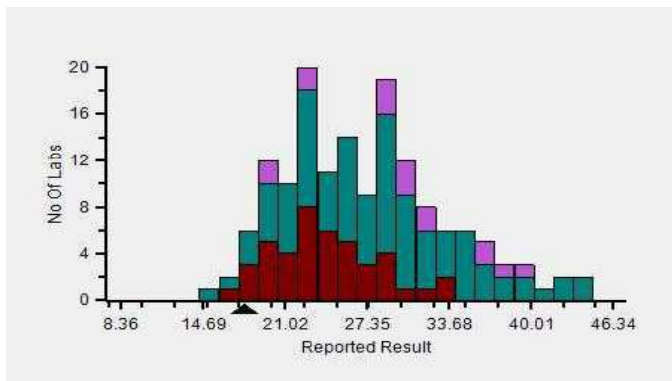
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	17.90	SDI / z-Score	-1.51
Assigned Value	23.70	Average SDI	-0.76
SDPA	3.830	Uncertainty of AV	0.62
Standard Unit Result Val	17.90	%DEV	-25.65

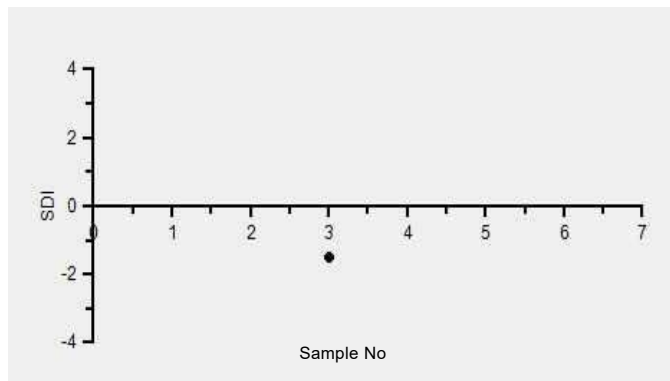
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

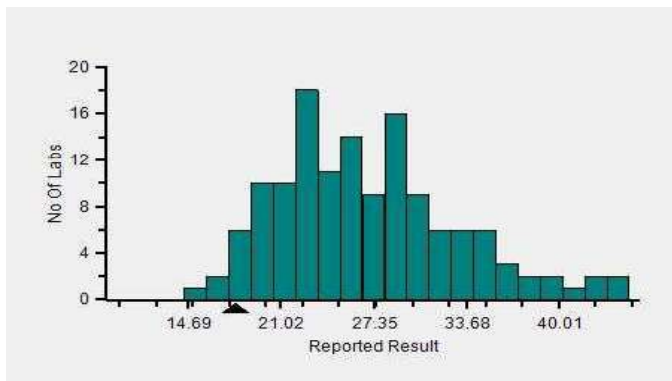
Frequency Histogram



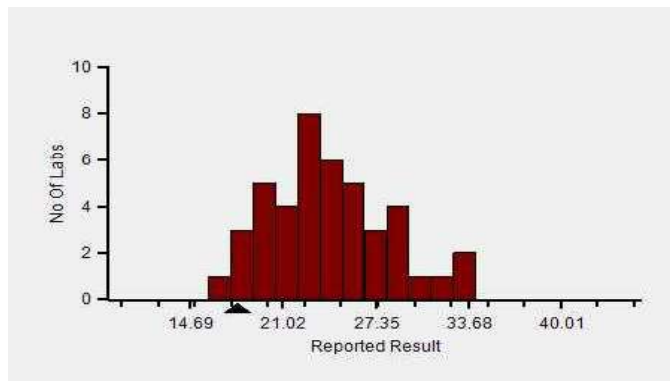
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, RDW CV%		N	Mean	SD	CV%	Excluded
	All Analyzer	161	27.35	6.33	23.16	8
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>45</b>	<b>24.07</b>	<b>4.22</b>	<b>17.54</b>	<b>2</b>
	Horiba Yumizen H500	18	22.62	3.36	14.86	-
	Erba ELite 580	13	29.67	1.94	6.55	2
	Mindray BC-5000	11	32.21	3.86	11.98	1
	Horiba ABX Pentra XL 80	7	21.04	1.70	8.09	-
	Nihon Kohden Celltac Alpha	6	32.35	5.77	17.84	-
	Beckman Coulter DxH 560	5	35.90	5.39	15.03	-
	Avantor H 33-S	5	30.64	4.32	14.09	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

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b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Total Leucocytes (WBC) count, / $\mu$ l**

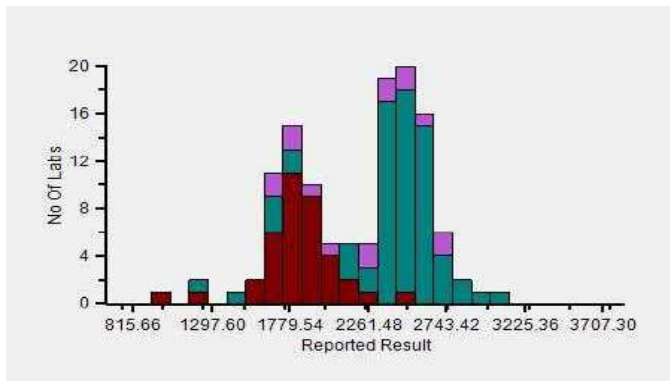
**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	170	2,261.48	481.94	21.31	42
Impedance - (Your Method)	146	2,262.87	500.19	22.10	38
Horiba Yumizen H550 - (Your Analyzer)	45	1,835.53	252.65	13.76	7

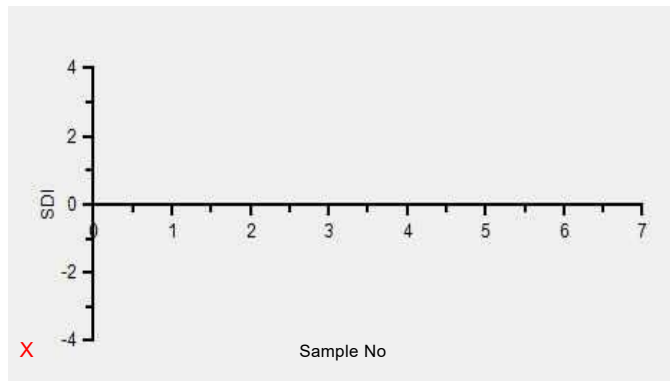
<b>Your Result</b>	1.85	<b>SDI / z-Score</b>	*
<b>Assigned Value</b>	1,834.53	<b>Average SDI</b>	0.00
<b>SDPA</b>	286.500	<b>Uncertainty of AV</b>	52.80
<b>Standard Unit Result Val</b>	1.85	<b>%DEV</b>	-99.90

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

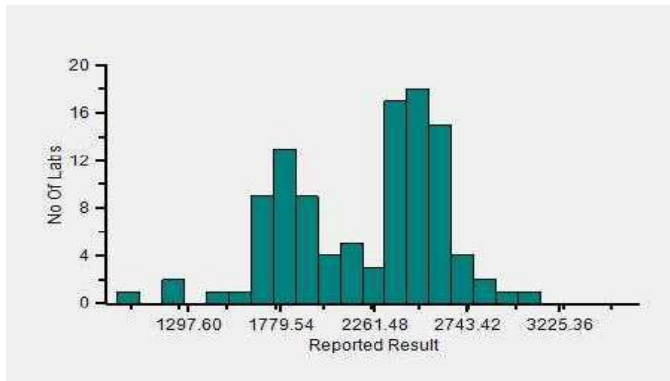
Frequency Histogram



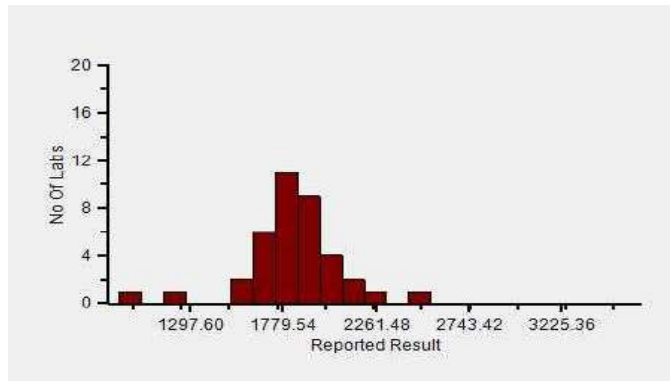
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 03

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Total Leucocytes (WBC) count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	170	2,261.48	481.94	21.31	42
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>45</b>	<b>1,835.53</b>	<b>252.65</b>	<b>13.76</b>	<b>7</b>
	Horiba Yumizen H500	18	1,859.29	375.10	20.17	4
	Erba ELite 580	13	2,500.00	58.55	2.34	5
	Mindray BC-5000	12	2,525.46	206.46	8.18	1
	Horiba ABX Pentra XL 80	8	4,400.00	0.00	0.00	6
	Nihon Kohden Celltac Alpha	6	2,548.00	97.57	3.83	1
	Sysmex XP-100	5	2,500.00	264.58	10.58	2
	Beckman Coulter DxH 560	5	2,456.00	69.14	2.82	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

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  - Both failed - Unacceptable performance, Review for systematic error
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  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**  
Unit No. 409-416.  
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Kohinoor Mall, Kiroil Road, Kurla (W),  
Mumbai - 400070

This is a computer generated report hence signature is not required



PC-1022



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Erythrocyte (RBC) Count, mill/cu.mm**

**Comparative Statistics**

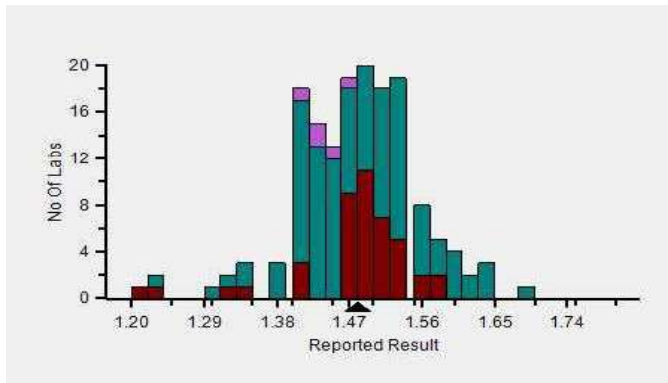
	N	Mean	SD	CV%	Excluded
All Methods	169	1.47	0.09	6.00	6
Impedance - (Your Method)	165	1.47	0.09	6.20	5
Horiba Yumizen H550 - (Your Analyzer)	47	1.45	0.12	8.29	1

**Evaluation Based On - Equipment wise Peer Grouping**

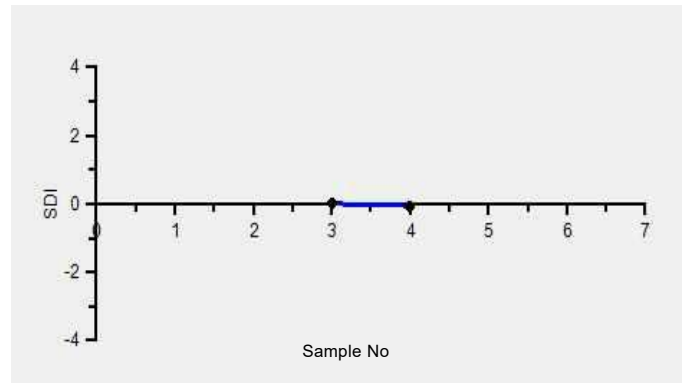
Your Result	1.48	SDI / z-Score	-0.05
Assigned Value	1.49	Average SDI	-0.02
SDPA	0.160	Uncertainty of AV	0.03
Standard Unit Result Val	1.48	%DEV	2.28

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

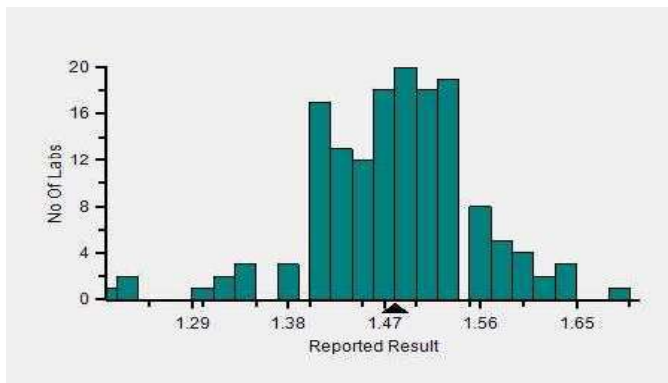
Frequency Histogram



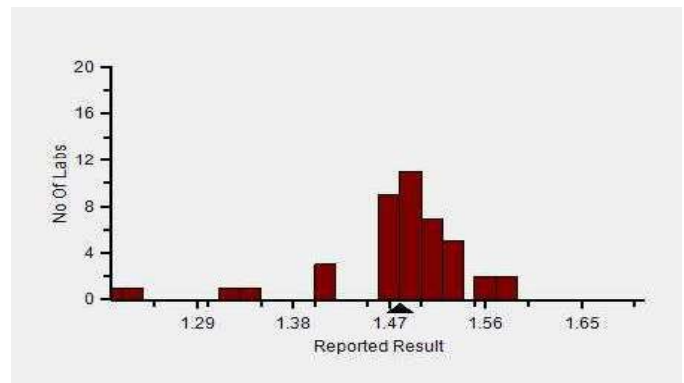
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Erythrocyte (RBC) Count**

		N	Mean	SD	CV%	Excluded
	All Analyzer	169	1.47	0.09	6.00	6
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>47</b>	<b>1.45</b>	<b>0.12</b>	<b>8.29</b>	<b>1</b>
	Horiba Yumizen H500	17	1.46	0.07	4.88	1
	Horiba Yumizen H500	17	1.46	0.07	4.88	1
	Erba ELite 580	13	1.45	0.06	4.21	-
	Mindray BC-5000	12	1.49	0.06	3.89	-
	Horiba ABX Pentra XL 80	9	1.43	0.03	2.38	-
	Nihon Kohden Celltac Alpha	6	1.54	0.06	3.70	-
	Sysmex XP-100	5	1.59	0.04	2.26	-

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

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- Two out of three pass - Review for random error & take action if appropriate
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- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	4.22	0.28	6.52	4
Photometric - (Your Method)	45	4.11	0.29	7.03	3
Horiba Yumizen H550 - (Your Analyzer)	47	4.05	0.12	2.89	1

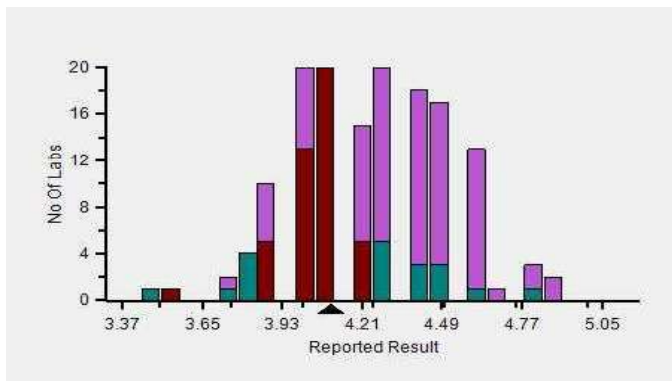
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	4.10	SDI / z-Score	0.10
Assigned Value	4.07	Average SDI	0.05
SDPA	0.280	Uncertainty of AV	0.04
Standard Unit Result Val	4.10	%DEV	1.31

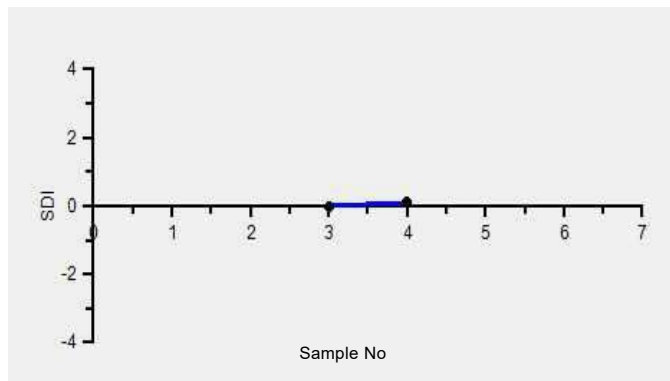
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

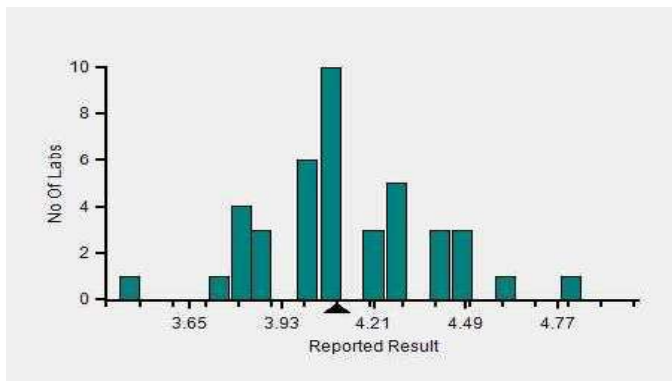
Frequency Histogram



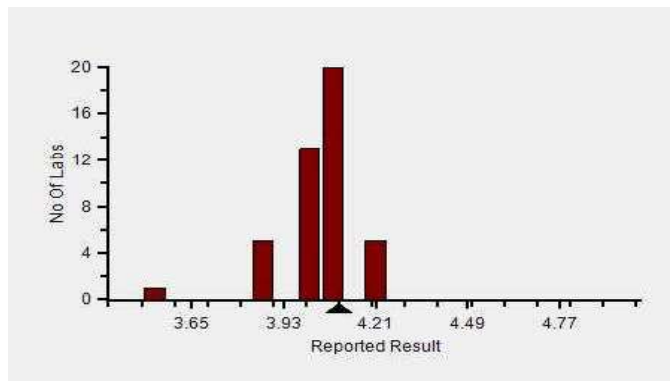
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Haemoglobin**

		N	Mean	SD	CV%	Excluded
	All Analyzer	169	4.22	0.28	6.52	4
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>47</b>	<b>4.05</b>	<b>0.12</b>	<b>2.89</b>	<b>1</b>
	Horiba Yumizen H500	17	4.03	0.21	5.24	1
	Horiba Yumizen H500	17	4.03	0.21	5.24	1
	Erba ELite 580	13	4.30	0.20	4.74	-
	Horiba ABX Pentra XL 80	9	4.26	0.12	2.91	-
	Mindray BC 5000	8	4.59	0.06	1.40	-
	Nihon Kohden Celltac Alpha	6	4.39	0.13	3.05	-
	Sysmex XP-100	5	4.46	0.09	2.00	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Hematocrit, %**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	162	18.52	2.30	12.42	4
Calculated - (Your Method)	101	18.48	2.45	13.25	2
Horiba Yumizen H550 - (Your Analyzer)	47	17.87	2.29	12.79	--

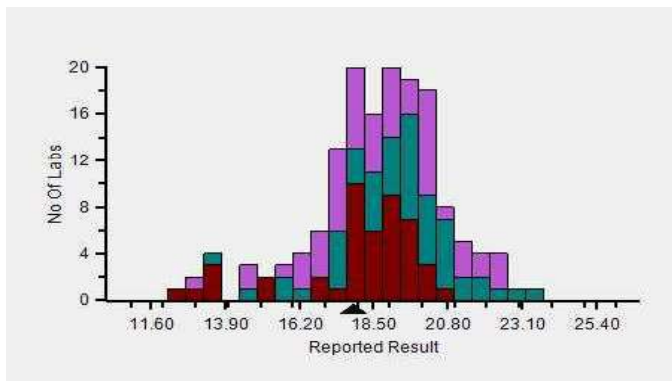
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	17.90	SDI / z-Score	-0.23
Assigned Value	18.57	Average SDI	-0.22
SDPA	2.900	Uncertainty of AV	0.47
Standard Unit Result Val	17.90	%DEV	0.19

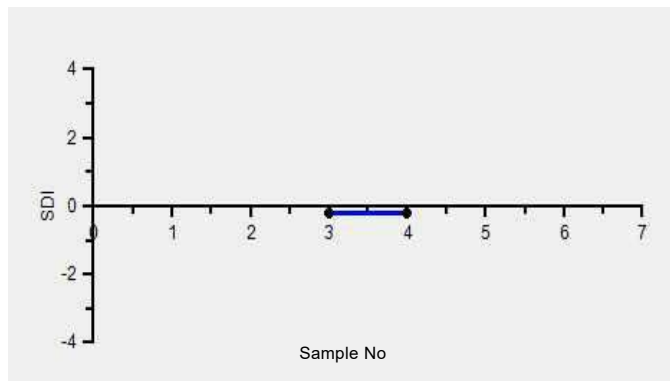
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

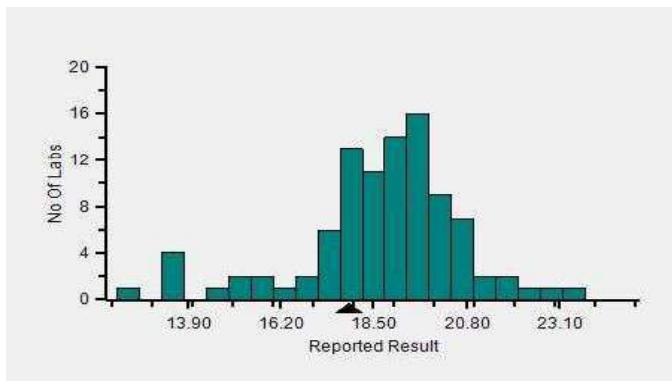
Frequency Histogram



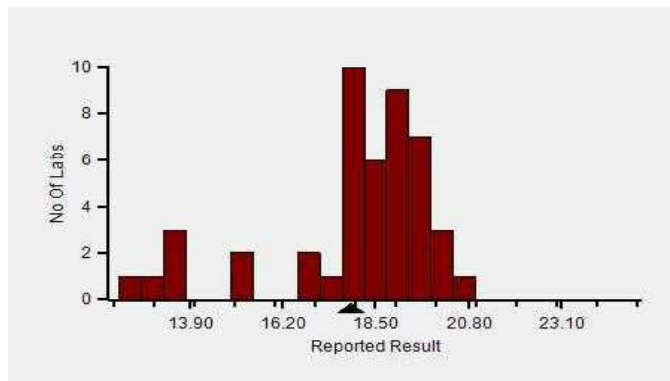
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

**Haematology - CBC, Hematocrit**

		N	Mean	SD	CV%	Excluded
	All Analyzer	162	18.52	2.30	12.42	4
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>47</b>	<b>17.87</b>	<b>2.29</b>	<b>12.79</b>	-
	Horiba Yumizen H500	17	17.92	2.09	11.69	-
	Horiba Yumizen H500	17	17.92	2.09	11.69	-
	Erba ELite 580	13	19.59	1.00	5.09	-
	Mindray BC-5000	12	20.68	2.13	10.32	-
	Horiba ABX Pentra XL 80	8	16.31	1.91	11.71	-
	Nihon Kohden Celltac Alpha	6	19.80	1.40	7.05	-
	Sysmex XN 350	5	19.78	1.39	7.05	-

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, MCH (Mean Corpuscular Hb), pg**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	28.76	2.07	7.18	3
Calculated - (Your Method)	118	28.70	2.10	7.30	3
Horiba Yumizen H550 - (Your Analyzer)	46	27.88	1.91	6.85	1

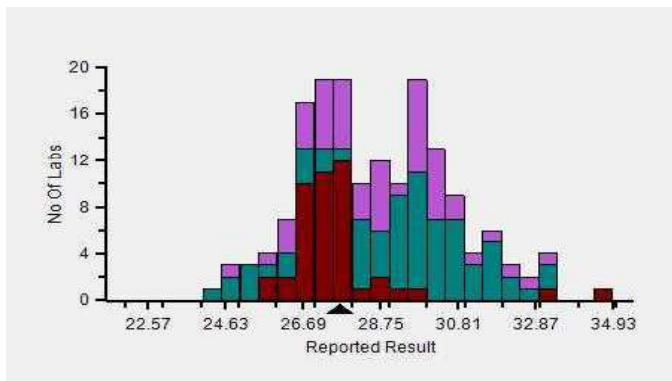
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	27.70	SDI / z-Score	0.12
Assigned Value	27.38	Average SDI	0.08
SDPA	2.700	Uncertainty of AV	0.44
Standard Unit Result Val	27.70	%DEV	-0.65

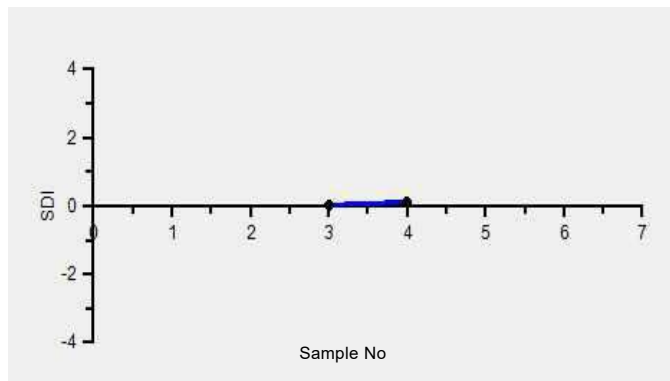
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

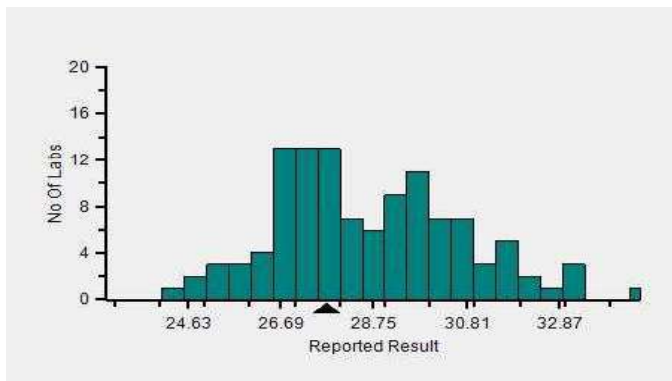
Frequency Histogram



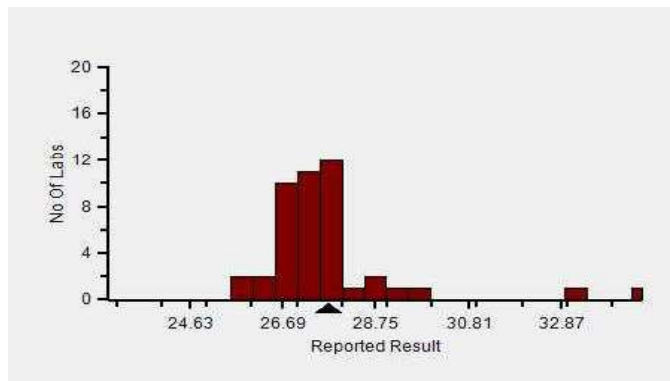
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCH (Mean Corpuscular Hb)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	169	28.76	2.07	7.18	3
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>27.88</b>	<b>1.91</b>	<b>6.85</b>	<b>1</b>
	Horiba Yumizen H500	18	27.75	1.19	4.29	-
	Horiba Yumizen H500	18	27.75	1.19	4.29	-
	Erba ELite 580	13	29.70	0.71	2.40	-
	Mindray BC-5000	12	30.94	1.13	3.65	-
	Horiba ABX Pentra XL 80	9	29.66	0.31	1.04	-
	Nihon Kohden Celltac Alpha	6	28.47	1.39	4.89	-
	Sysmex XP-100	5	27.96	0.75	2.68	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
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  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 04

Sample Date : 07/10/2023

**Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration), g/dL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	22.66	2.42	10.67	7
Calculated - (Your Method)	117	22.24	2.21	9.95	6
Horiba Yumizen H550 - (Your Analyzer)	45	22.18	2.03	9.13	3

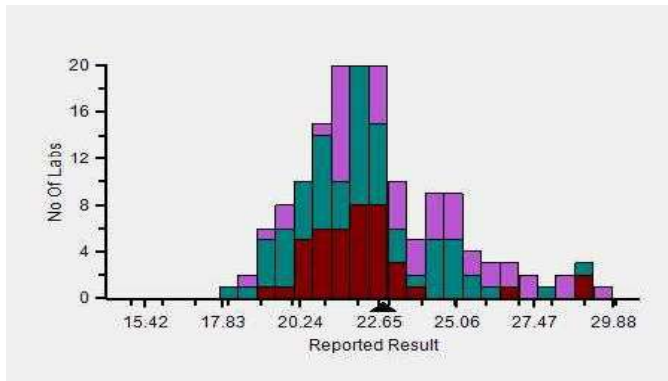
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	22.80	SDI / z-Score	0.33
Assigned Value	21.96	Average SDI	0.29
SDPA	2.560	Uncertainty of AV	0.41
Standard Unit Result Val	22.80	%DEV	2.80

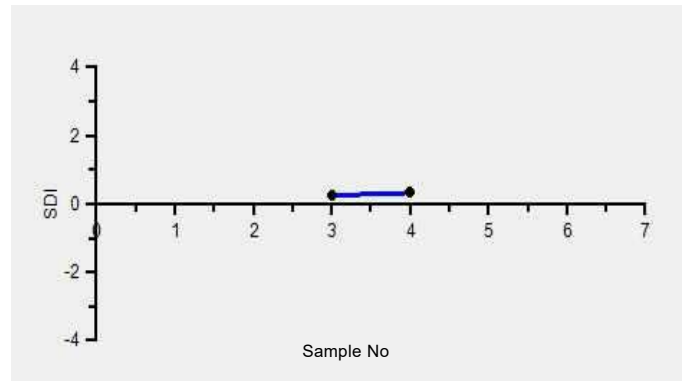
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

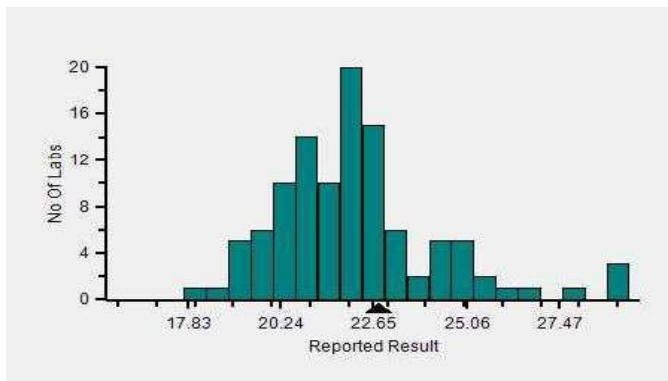
Frequency Histogram



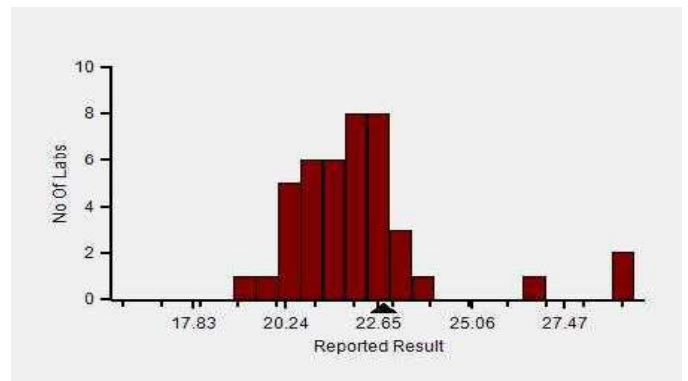
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	169	22.66	2.42	10.67	7
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>45</b>	<b>22.18</b>	<b>2.03</b>	<b>9.13</b>	<b>3</b>
	Horiba Yumizen H500	19	22.06	1.25	5.67	-
	Horiba Yumizen H500	19	22.06	1.25	5.67	-
	Erba ELite 580	13	22.03	0.48	2.19	-
	Mindray BC-5000	12	21.72	1.40	6.44	1
	Horiba ABX Pentra XL 80	9	26.74	2.71	10.12	-
	Nihon Kohden Celltac Alpha	6	22.24	1.70	7.64	-
	Sysmex XP-100	5	24.76	0.77	3.10	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Report Date : 19/12/2023

Cycle No : 230310

Sample No : 04

Sample Date : 07/10/2023

**Haematology - CBC, MCV (Mean Corpuscular Volume), fL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	127.06	12.09	9.52	1
Calculated - (Your Method)	100	128.35	11.91	9.28	--
Horiba Yumizen H550 - (Your Analyzer)	46	124.09	8.71	7.02	--

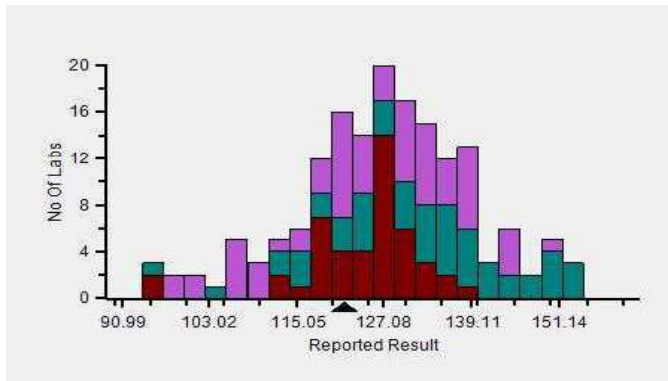
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	121.70	SDI / z-Score	-0.29
Assigned Value	125.10	Average SDI	-0.25
SDPA	11.700	Uncertainty of AV	1.81
Standard Unit Result Val	121.70	%DEV	-1.93

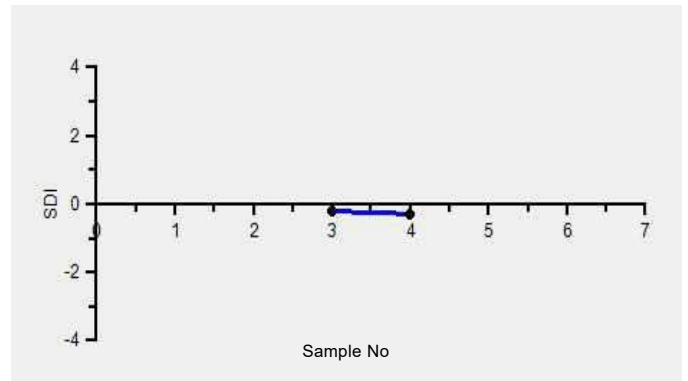
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

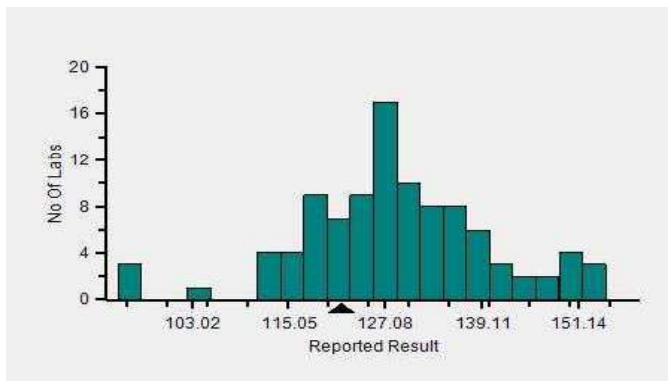
Frequency Histogram



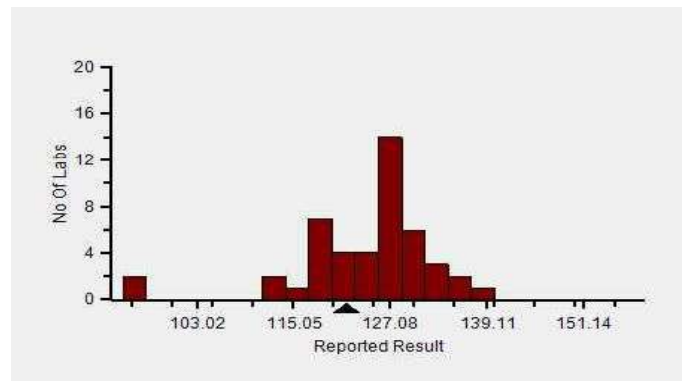
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, MCV (Mean Corpuscular Volume)		N	Mean	SD	CV%	Excluded
	All Analyzer	169	127.06	12.09	9.52	1
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>124.09</b>	<b>8.71</b>	<b>7.02</b>	-
	Horiba Yumizen H500	18	126.01	3.90	3.10	-
	Horiba Yumizen H500	18	126.01	3.90	3.10	-
	Erba ELite 580	13	134.87	3.18	2.36	-
	Mindray BC-5000	12	142.99	6.67	4.66	1
	Horiba ABX Pentra XL 80	9	111.89	10.48	9.37	-
	Nihon Kohden Celltac Alpha	6	128.57	12.30	9.56	-
	Sysmex XP-100	5	112.84	3.62	3.21	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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  - Two out of three pass - Review for random error & take action if appropriate
  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	145.29	21.38	14.71	13
Impedance - (Your Method)	160	146.50	21.31	14.55	12
Horiba Yumizen H550 - (Your Analyzer)	47	151.44	16.93	11.18	1

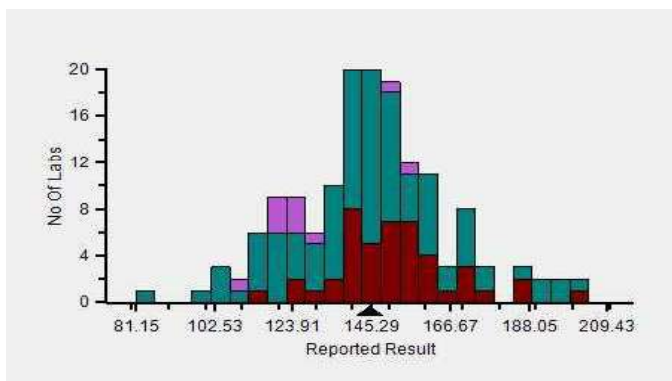
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	145.00	SDI / z-Score	0.09
Assigned Value	143.16	Average SDI	-0.19
SDPA	21.200	Uncertainty of AV	3.31
Standard Unit Result Val	145.00	%DEV	-4.26

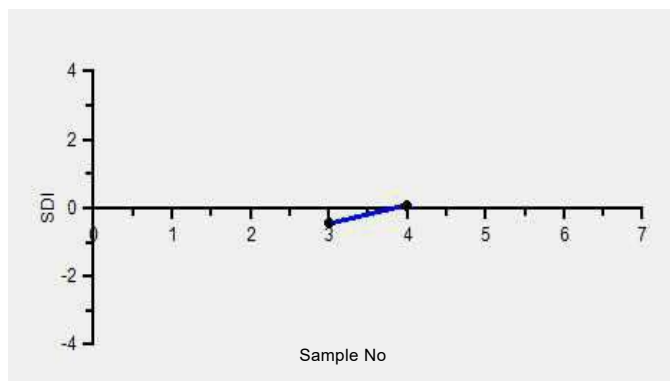
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

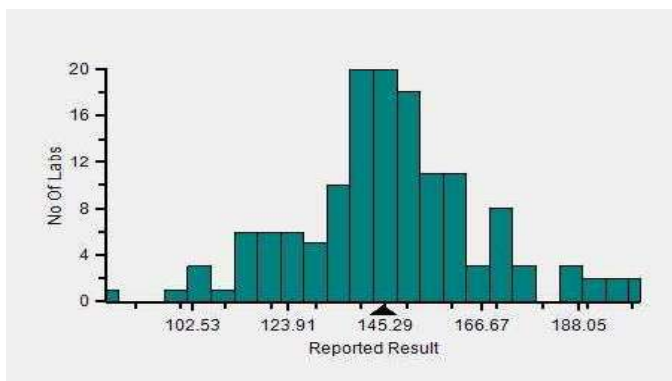
Frequency Histogram



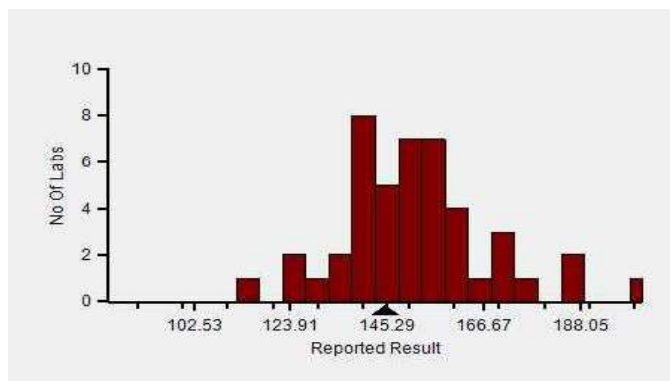
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Platelet Count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	169	145.29	21.38	14.71	13
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>47</b>	<b>151.44</b>	<b>16.93</b>	<b>11.18</b>	<b>1</b>
	Horiba Yumizen H500	17	118.19	18.38	15.55	-
	Horiba Yumizen H500	17	118.19	18.38	15.55	-
	Erba ELite 580	13	146.17	8.39	5.74	1
	Mindray BC-5000	12	145.64	8.88	6.10	1
	Horiba ABX Pentra XL 80	9	155.40	16.55	10.65	4
	Nihon Kohden Celltac Alpha	6	141.67	12.31	8.69	-
	Sysmex XP-100	5	129.40	19.93	15.40	-

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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Interpretation when an analyte is reported for multiple samples in a Round:

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  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, RDW CV%, %**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	158	26.95	6.65	24.67	22
Calculated - (Your Method)	143	26.58	6.59	24.77	21
Horiba Yumizen H550 - (Your Analyzer)	46	22.46	2.86	12.72	6

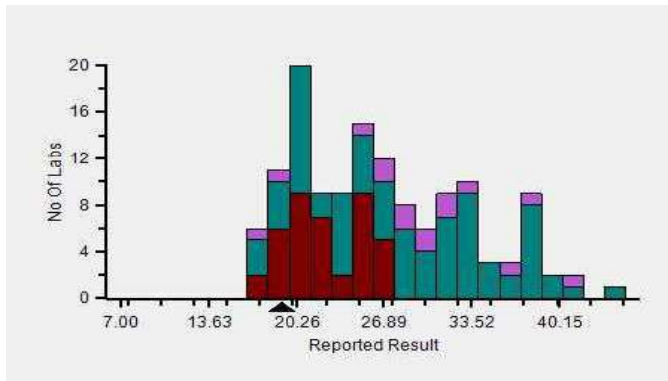
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	19.20	SDI / z-Score	-0.81
Assigned Value	21.81	Average SDI	-1.16
SDPA	3.229	Uncertainty of AV	0.53
Standard Unit Result Val	19.20	%DEV	-14.51

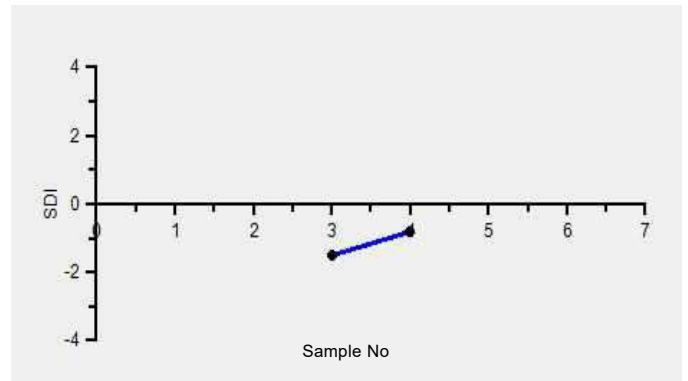
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

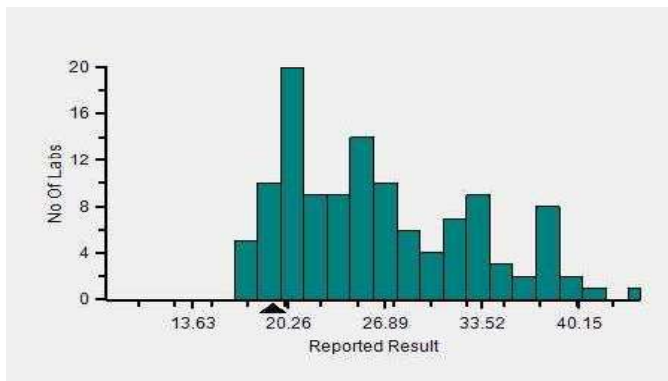
Frequency Histogram



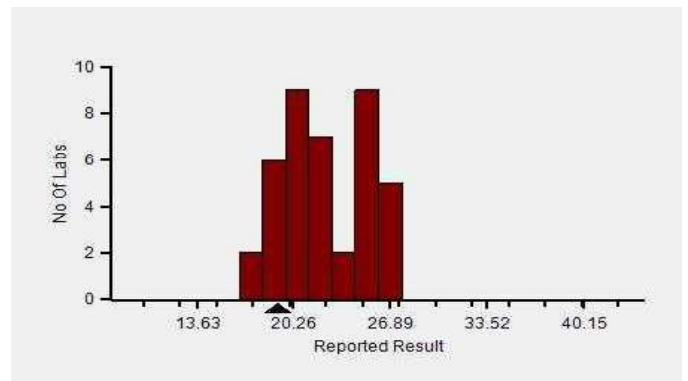
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, RDW CV%		N	Mean	SD	CV%	Excluded
	All Analyzer	158	26.95	6.65	24.67	22
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>22.46</b>	<b>2.86</b>	<b>12.72</b>	<b>6</b>
	Horiba Yumizen H500	18	20.56	2.30	11.18	-
	Horiba Yumizen H500	18	20.56	2.30	11.18	-
	Erba ELite 580	13	31.88	2.24	7.02	1
	Mindray BC-5000	11	35.84	3.80	10.60	1
	Horiba ABX Pentra XL 80	8	22.44	2.14	9.54	-
	Nihon Kohden Celltac Alpha	6	32.60	5.37	16.46	-
	Beckman Coulter DxH 560	5	28.45	3.66	12.87	1

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
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- All failed - Unacceptable performance, Review for systematic error





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - CBC, Total Leucocytes (WBC) count, /µl**

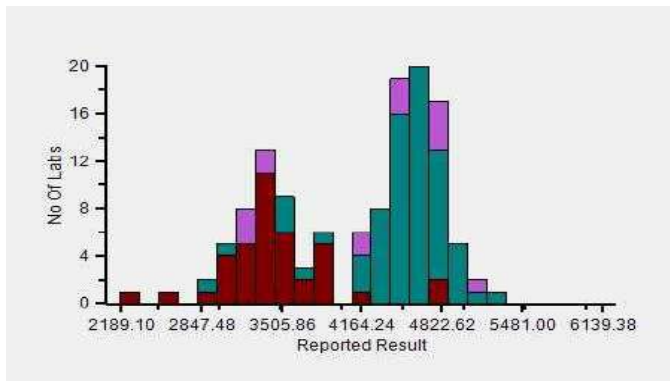
**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	169	4,164.24	658.38	15.81	37
Impedance - (Your Method)	145	4,150.00	663.36	15.99	33
Horiba Yumizen H550 - (Your Analyzer)	46	3,456.41	469.38	13.58	6

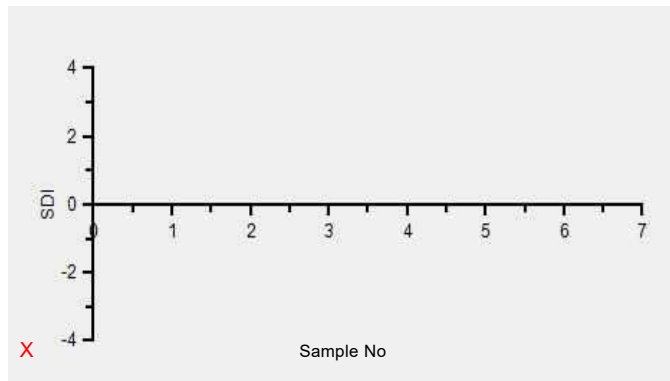
<b>Your Result</b>	3.52	<b>SDI / z-Score</b>	*
<b>Assigned Value</b>	3,456.87	<b>Average SDI</b>	0.00
<b>SDPA</b>	473.000	<b>Uncertainty of AV</b>	82.27
<b>Standard Unit Result Val</b>	3.52	<b>%DEV</b>	-99.90

Note : # - Not evaluated / Bimodal distribution  
X : SDI more than 4

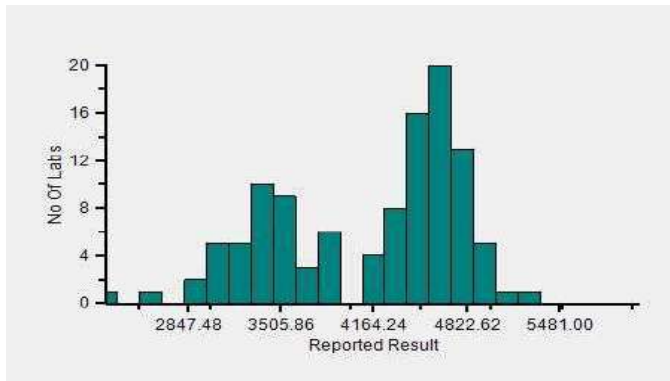
Frequency Histogram



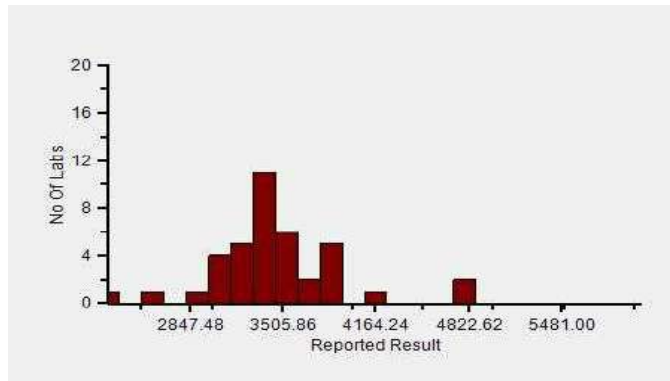
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer





Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 04

Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



**Note :** SDI with \* marked are not considered for evaluation

**Comments :**

Haematology - CBC, Total Leucocytes (WBC) count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	169	4,164.24	658.38	15.81	37
<b>Your Analyzer :</b>	<b>Horiba Yumizen H550</b>	<b>46</b>	<b>3,456.41</b>	<b>469.38</b>	<b>13.58</b>	<b>6</b>
	Horiba Yumizen H500	18	3,618.46	610.69	16.88	4
	Horiba Yumizen H500	18	3,618.46	610.69	16.88	4
	Erba ELite 580	13	4,745.00	228.72	4.82	5
	Mindray BC-5000	12	4,658.18	110.89	2.38	1
	Horiba ABX Pentra XL 80	9	4,766.67	57.74	1.21	6
	Nihon Kohden Celltac Alpha	6	4,530.00	370.14	8.17	1
	Sysmex XP-100	5	4,475.00	95.74	2.14	1

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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  - One out of three pass - Unacceptable performance, Review for systematic error
  - All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

**Dr Puneet Kumar Nigam**  
**PT coordinator & Technical Manager, MHL EQAS**  
Unit No. 409-416.  
Commercial Building - 1A  
Kohinoor Mall, Kiro Road, Kurla (W),  
Mumbai - 400070

This is a computer generated report hence signature is not required



PC-1022

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology-PS Slide Count Qualitative, Eosinophil., -**

■ All Methods

**N**

63

■ Microscopy - (Your Method)

63

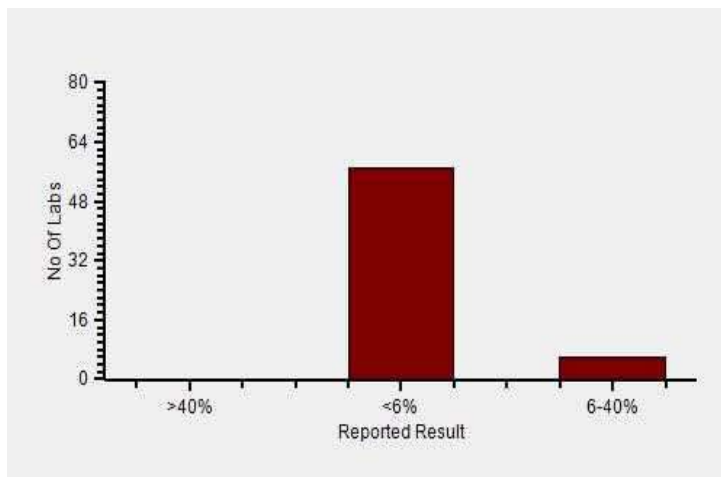
■ - - (Your Analyzer)

63

<b>Your Result</b>	<6%
<b>Result Expected</b>	<6%

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Cycle No : 230310

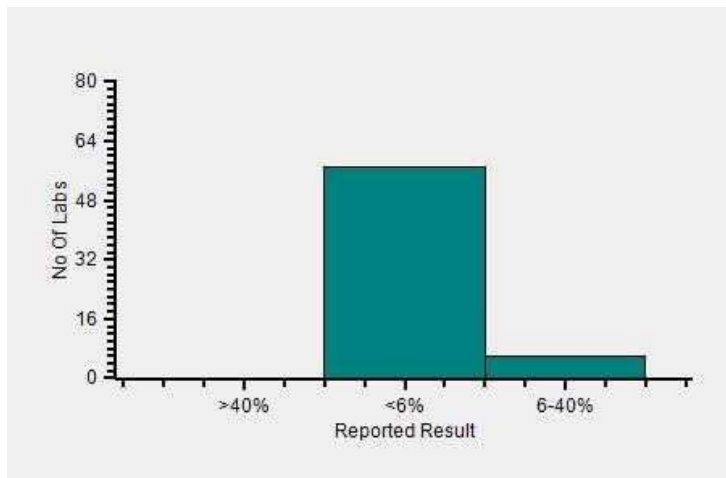
Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

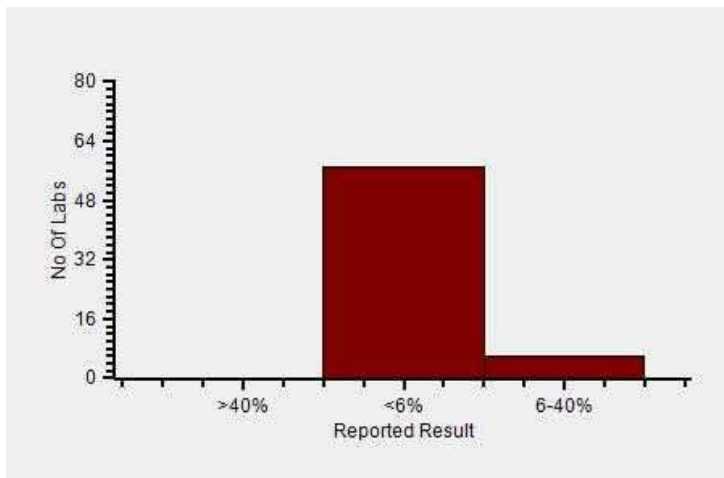
Report Date : 19/12/2023

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

>40%	: >40%
<10%	: <10%
<6%	: <6%
<1%	: <1%
6-40%	: 6-40%
1-6%	: 1-6%
>6%	: >6%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 19/12/2023

Sample Date : 07/10/2023

Haematology-PS Slide Count Qualitative, Lymphocyte., -

■ All Methods

■ Microscopy - (Your Method)

■ - - (Your Analyzer)

N

63

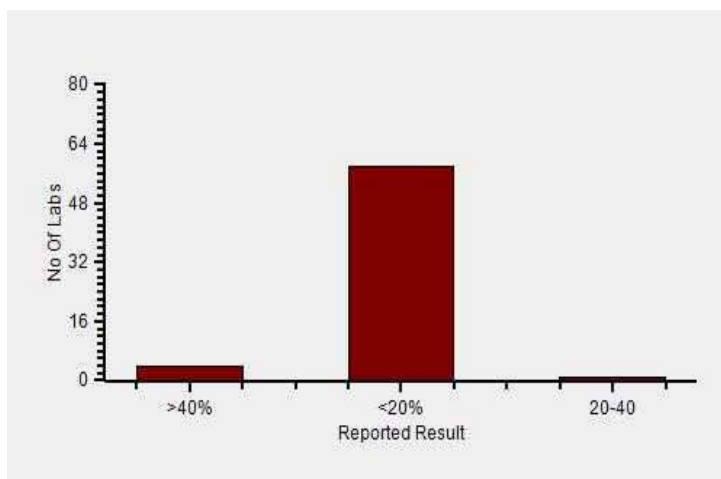
63

63

<b>Your Result</b>	<20%
<b>Result Expected</b>	<20%

Note : # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

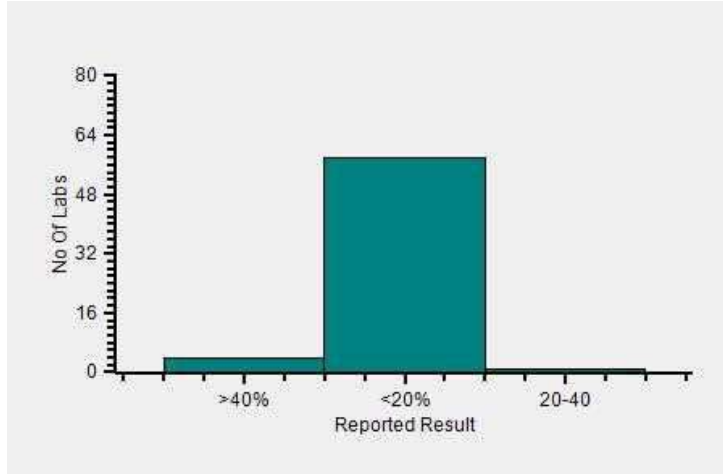
Report Date : 19/12/2023

Cycle No : 230310

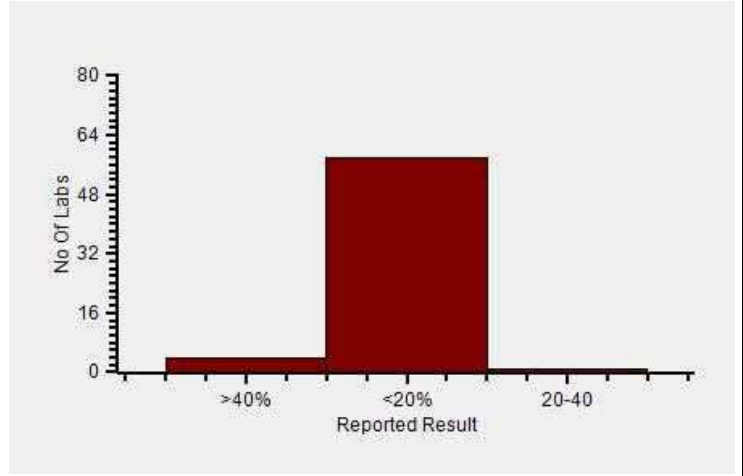
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

>40%	: >40%
<20%	: <20%
20-30%	: 20-30%
>25%	: >25%
20-40	: 20-40%
<25%	: <25%
25-50%	: 25-50%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
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- Both failed - Unacceptable performance, Review for systematic error

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- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error



Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 19/12/2023

Sample Date : 07/10/2023

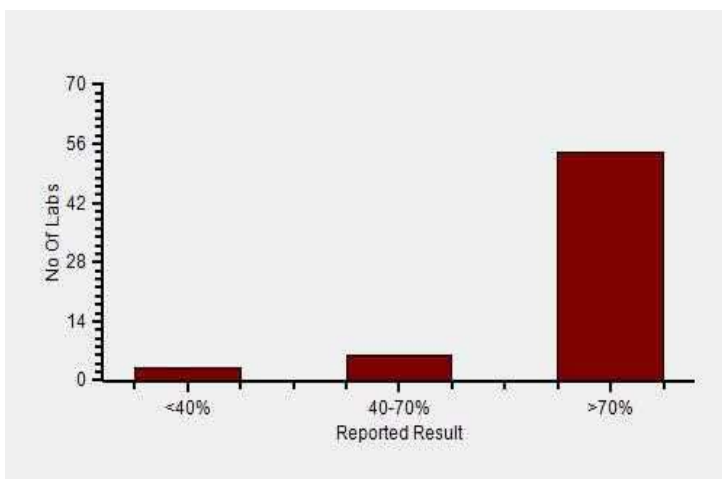
Haematology-PS Slide Count Qualitative, Neutrophil., -

	<b>N</b>
■ All Methods	63
■ Microscopy - (Your Method)	63
■ - - (Your Analyzer)	63

<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Your Result</b></td> <td style="text-align: right;">&gt;70%</td> </tr> <tr> <td><b>Result Expected</b></td> <td style="text-align: right;">&gt;70%</td> </tr> </table>	<b>Your Result</b>	>70%	<b>Result Expected</b>	>70%
<b>Your Result</b>	>70%			
<b>Result Expected</b>	>70%			

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram



Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

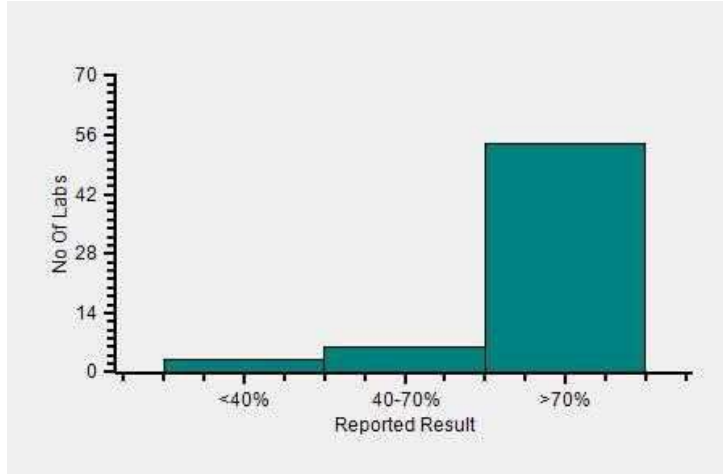
Report Date : 19/12/2023

Cycle No : 230310

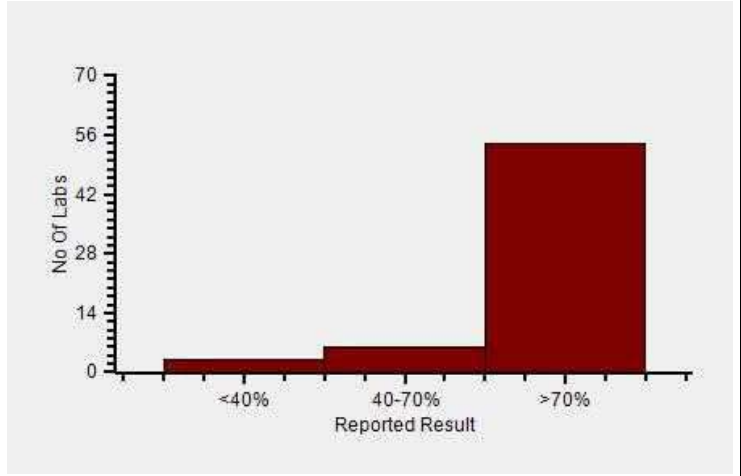
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

<b>60-80%</b>	: 60-80%
<b>&lt;40%</b>	: <40%
<b>40-70%</b>	: 40-70%
<b>&gt;70%</b>	: >70%

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

a) Reported on 2 samples:

- Two out of two pass - Acceptable performance
- One out of two pass - Review for random error & take action if appropriate
- Both failed - Unacceptable performance, Review for systematic error

b) Reported on 3 samples:

- All pass - Acceptable performance
- Two out of three pass - Review for random error & take action if appropriate
- One out of three pass - Unacceptable performance, Review for systematic error
- All failed - Unacceptable performance, Review for systematic error

*Dr Puneet Kumar Nigam*

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**PT coordinator & Technical Manager, MHL EQAS**

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Mumbai - 400070

This is a computer generated report hence signature is not required



PC-1022

Lab : 1054

Cycle No : 230310

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

Sample No : 02

Report Date : 19/12/2023

Sample Date : 07/10/2023

**Haematology - Peripheral smear diagnosis, Diagnosis (Slide), -**

■ All Methods

■ -- (Your Method)

■ -- (Your Analyzer)

**N**

33

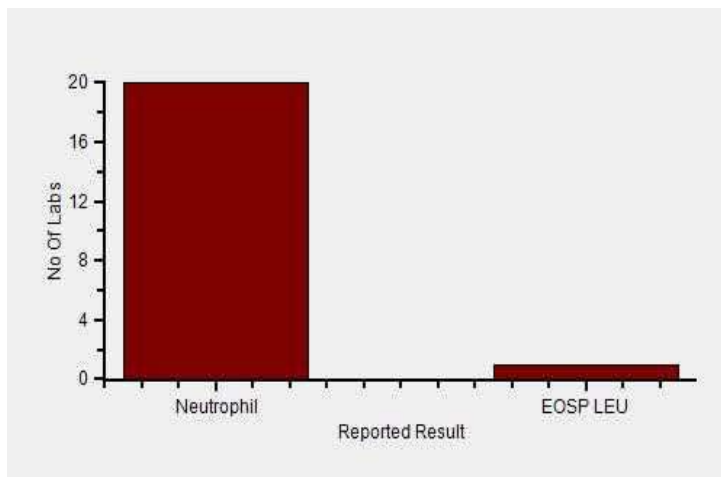
33

33

<b>Your Result</b>	Neutrophilic Leucocytosis
<b>Result Expected</b>	#

**Note :** # is an indication that this parameter has not been evaluated

Frequency Histogram





Lab : 1054

Lab Name : KRSNAA DIAGNOSTICS,LTD,MOGA

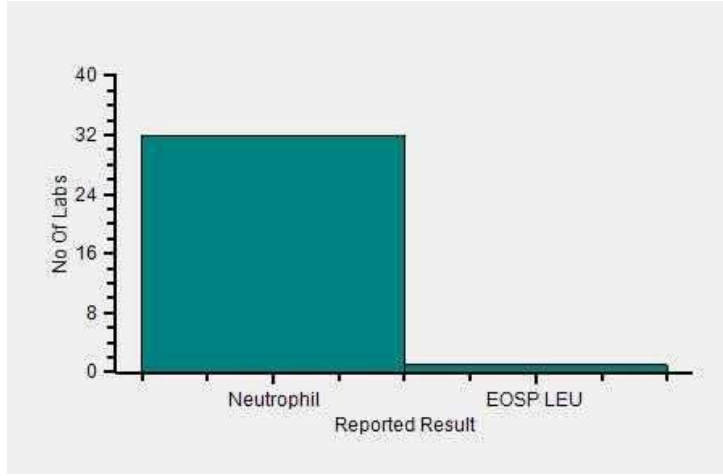
Report Date : 19/12/2023

Cycle No : 230310

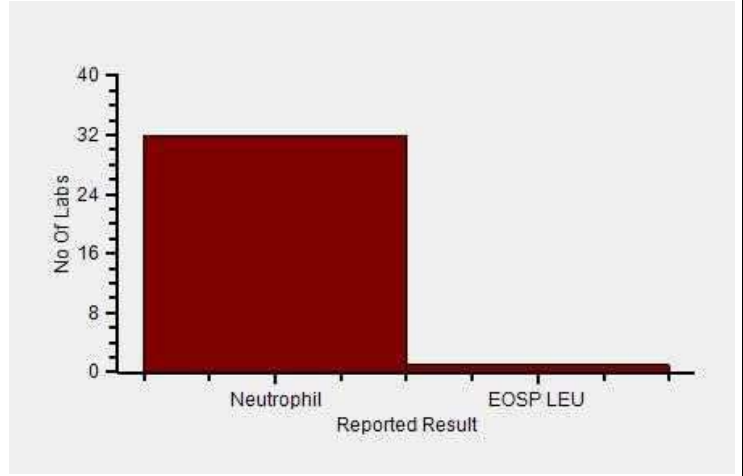
Sample No : 02

Sample Date : 07/10/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Reported Results Legends :-**

- Nor** : Normal
- Abn** : Abnormal
- CLL/ CLD** : CLL/Chronic lymphoproliferative disorder
- MA** : Microcytic hypochromic anaemia
- Eos** : Eosinophilia
- PV** : P. vivax
- Leu** : Leucopenia
- DIMANETH** : Dimorphic Anaemia with Thrombocytopenia
- EOSP LEU** : Eosinophilic leucocytosis
- LEUWTHRO** : Leucopenia with Thrombocytopenia

**Comments :**

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
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PC-1022