



Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD, RAJPURA (1053)

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
No Outlier				
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 ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	2.02	2.03	-0.08	0.06
@ Total Leucocytes (WBC) count	/c.mm	3500.00	3510.00	0.00	1.28
@ Haemoglobin	g/dL	5.70	5.65	0.88	0.81
@ MCV (Mean Corpuscular Volume)	fL	118.00	117.78	0.05	-0.36
@ MCH (Mean Corpuscular Hb)	pg	28.20	28.05	0.88	0.55
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	24.00	23.99	0.54	0.71
@ Platelet Count	1000/ μ L	107.00	119.50	-1.03	-0.55
@ Hematocrit	%	23.70	23.06	-0.08	-0.20
@ RDW CV%	%	17.60	18.04	-0.89	0.57

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

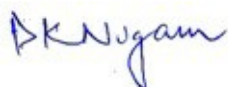
X : z score \geq 3 - Unacceptable

: Not Evaluated

⌚ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %



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

Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 03

Report Date : 13/02/2024

Sample Date : 23/12/2023

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

Comparative Statistics

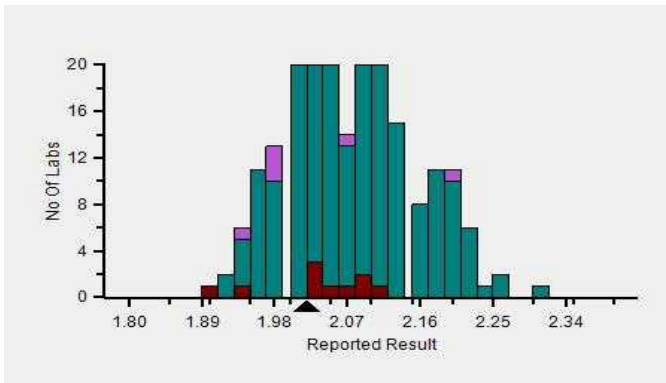
	N	Mean	SD	CV%	Excluded
All Methods	222	2.07	0.09	4.11	8
Impedance - (Your Method)	210	--	--	--	7
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

Evaluation Based On - Equipment wise Peer Grouping

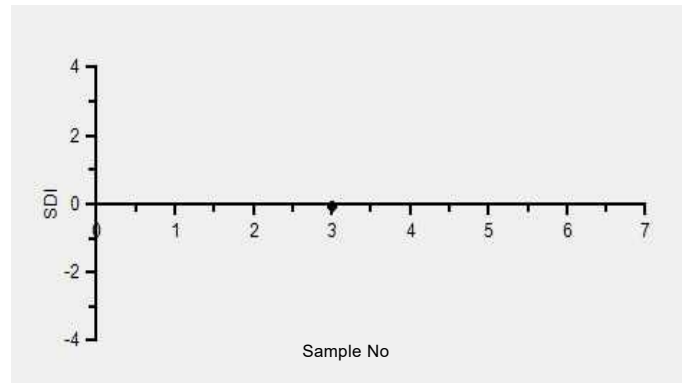
Your Result	2.02	SDI / z-Score	-0.08
Assigned Value	2.03	Average SDI	-0.20
SDPA	0.099	Uncertainty of AV	0.01
Standard Unit Result Val	2.02	%DEV	

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

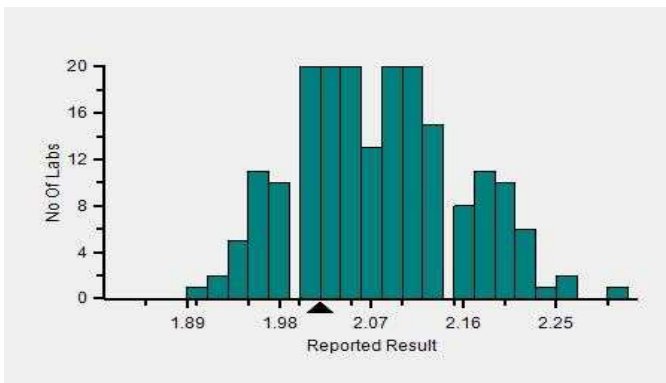
Frequency Histogram



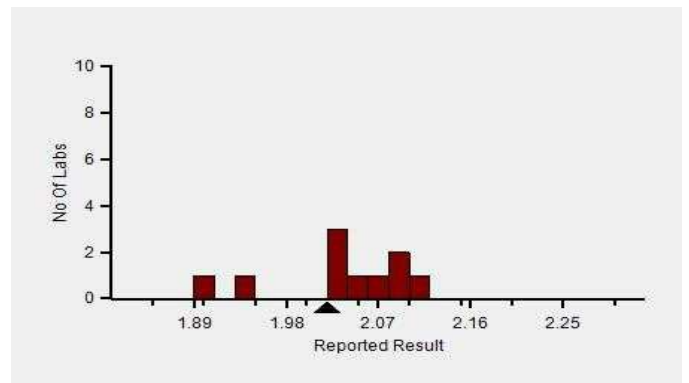
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

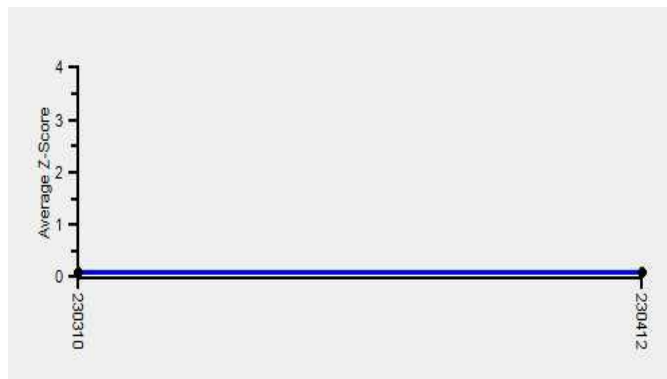
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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, Erythrocyte (RBC) Count		N	Mean	SD	CV%	Excluded
	All Analyzer	222	2.07	0.09	4.11	8
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	1
	Sysmex XP-100	24	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	2.01	0.08	4.19	-
	Horiba Yumizen H500	21	2.01	0.09	4.23	-
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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.
- 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
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Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	56	--	--	--	1
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

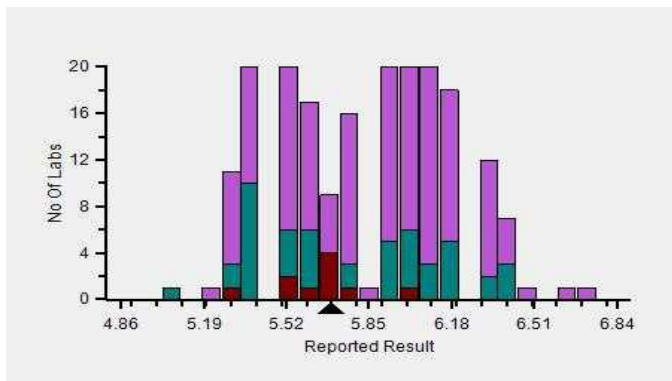
Evaluation Based On - Equipment wise Peer Grouping

Your Result	5.70	SDI / z-Score	0.88
Assigned Value	5.49	Average SDI	0.80
SDPA	0.240	Uncertainty of AV	0.02
Standard Unit Result Val	5.70	%DEV	

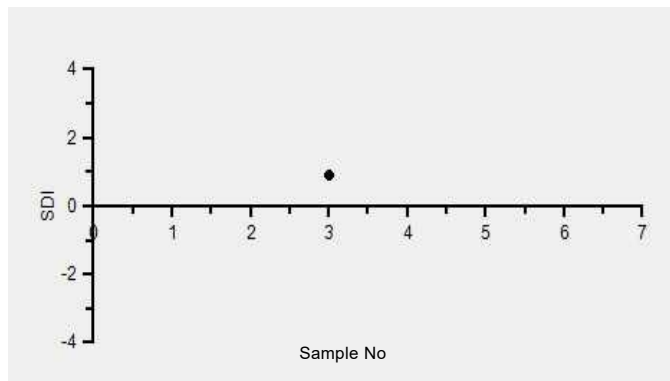
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

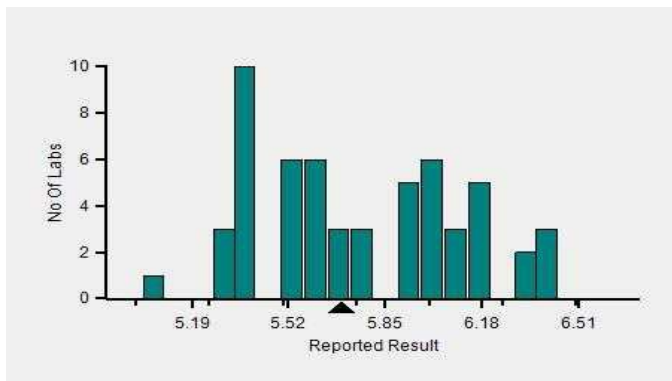
Frequency Histogram



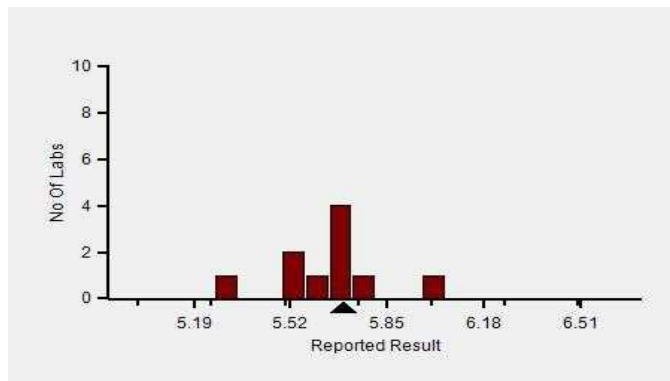
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

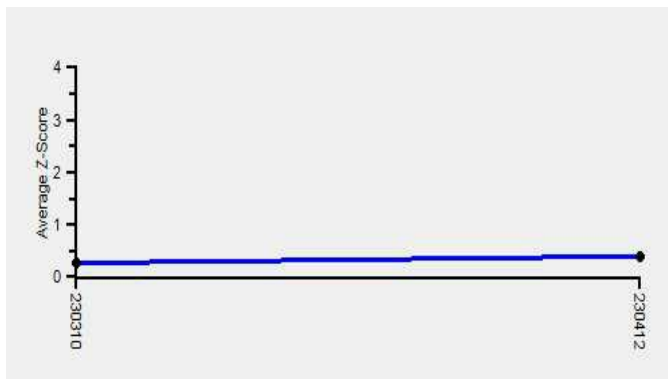
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	1
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	5.47	0.19	3.49	-
	Horiba Yumizen H500	21	5.48	0.20	3.56	-
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Erba ELite 580	13	0.00	0.00	0.00	-

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 - All failed - Unacceptable performance, Review for systematic error



Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	130	--	--	--	4
Horiba ABX Micros ES 60 - (Your Analyzer)	8	0.00	0.00	0.00	1

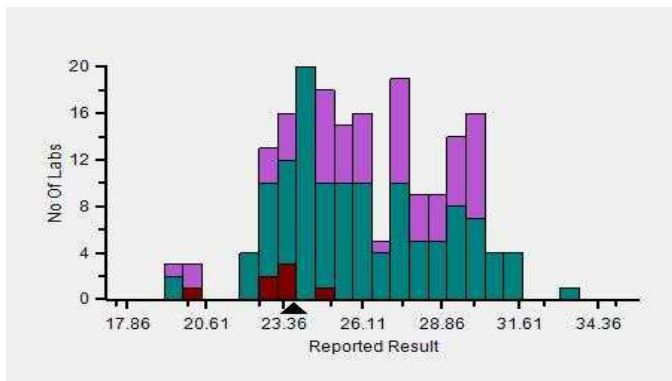
Evaluation Based On - Equipment wise Peer Grouping

Your Result	23.70	SDI / z-Score	-0.08
Assigned Value	23.85	Average SDI	-0.19
SDPA	1.820	Uncertainty of AV	0.13
Standard Unit Result Val	23.70	%DEV	

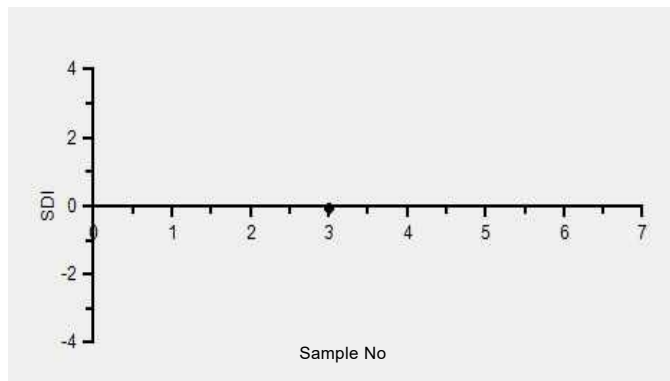
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

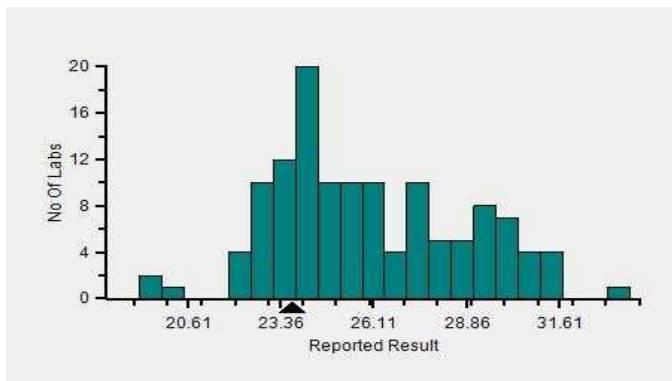
Frequency Histogram



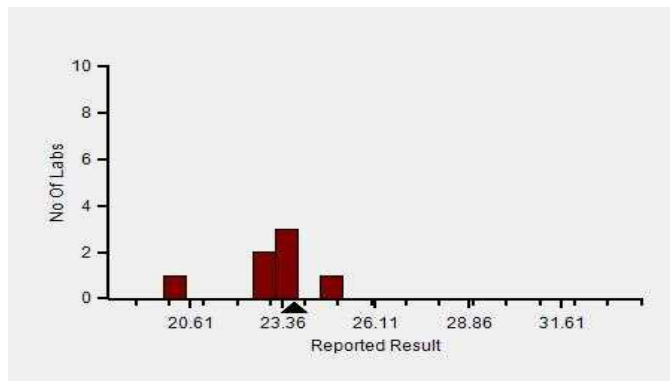
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

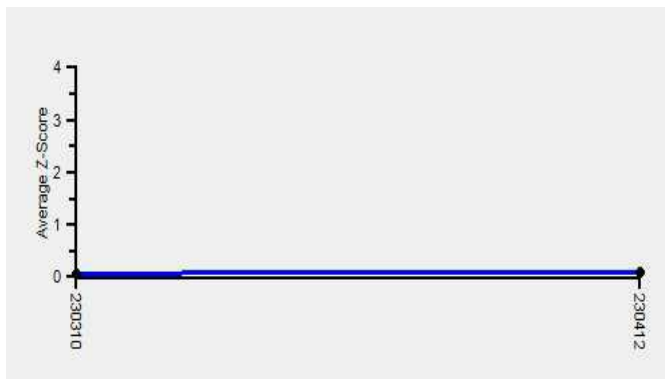
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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, Hematocrit		N	Mean	SD	CV%	Excluded
	All Analyzer	205	26.14	2.75	10.52	10
Your Analyzer :	Horiba ABX Micros ES 60	8	0.00	0.00	0.00	1
	Horiba Yumizen H550	41	0.00	0.00	0.00	2
	Sysmex XP-100	23	0.00	0.00	0.00	2
	Horiba Yumizen H500	22	23.65	1.15	4.87	-
	Horiba Yumizen H500	21	23.68	1.17	4.93	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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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



PC-1022

Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	148	--	--	--	4
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

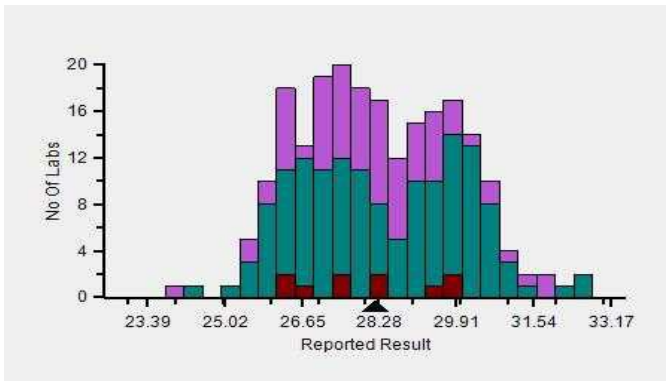
Evaluation Based On - Equipment wise Peer Grouping

Your Result	28.20	SDI / z-Score	0.88
Assigned Value	26.99	Average SDI	0.97
SDPA	1.380	Uncertainty of AV	0.12
Standard Unit Result Val	28.20	%DEV	

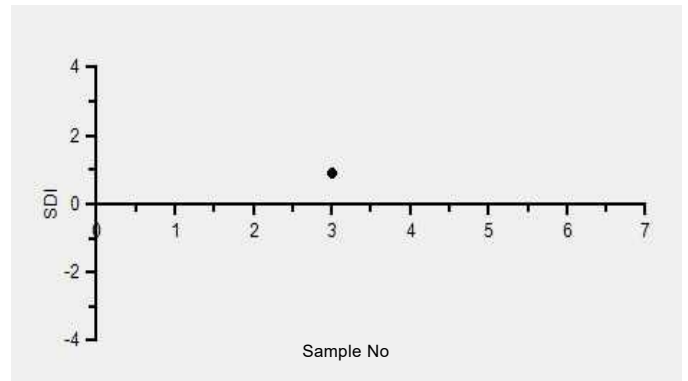
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

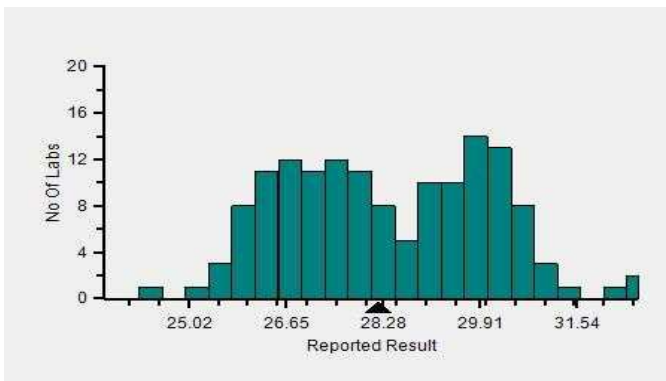
Frequency Histogram



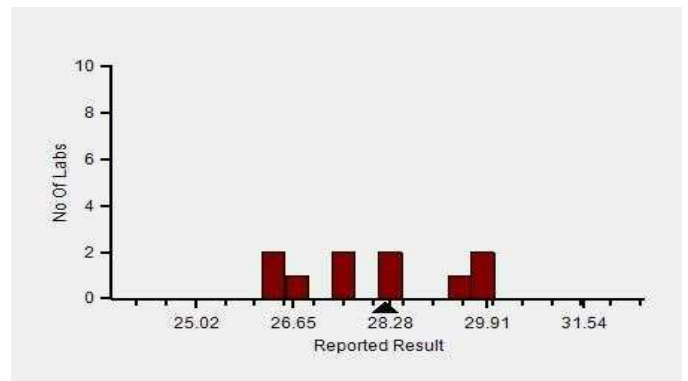
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

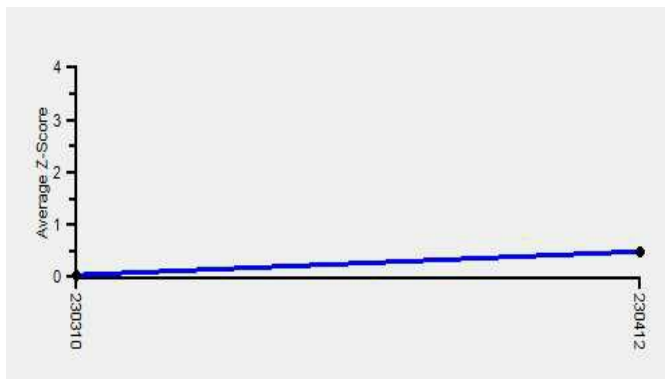
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	42	0.00	0.00	0.00	-
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	23	27.21	1.07	3.95	-
	Horiba Yumizen H500	22	27.18	1.09	4.01	-
	Horiba Yumizen H500	21	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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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Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

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)	146	--	--	--	9
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	1

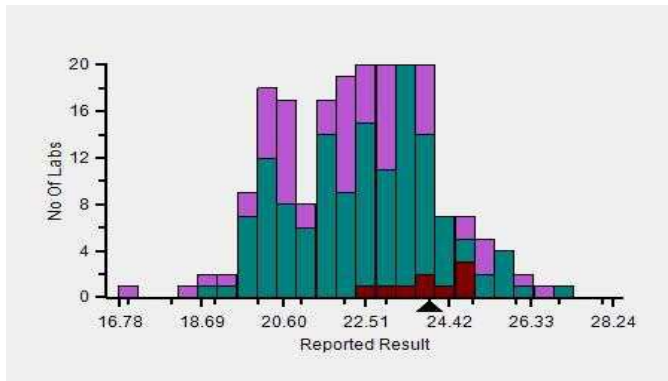
Evaluation Based On - Equipment wise Peer Grouping

Your Result	24.00	SDI / z-Score	0.54
Assigned Value	23.10	Average SDI	0.66
SDPA	1.670	Uncertainty of AV	0.13
Standard Unit Result Val	24.00	%DEV	

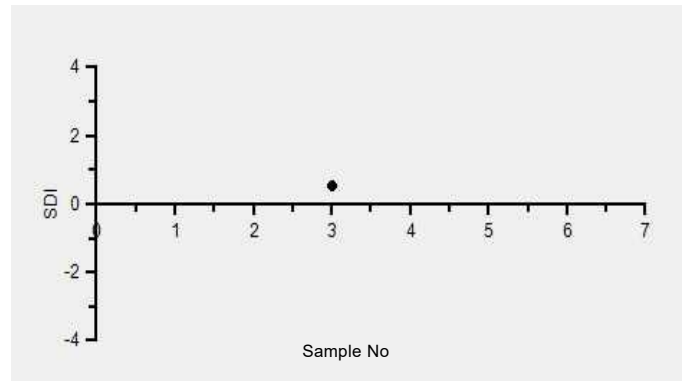
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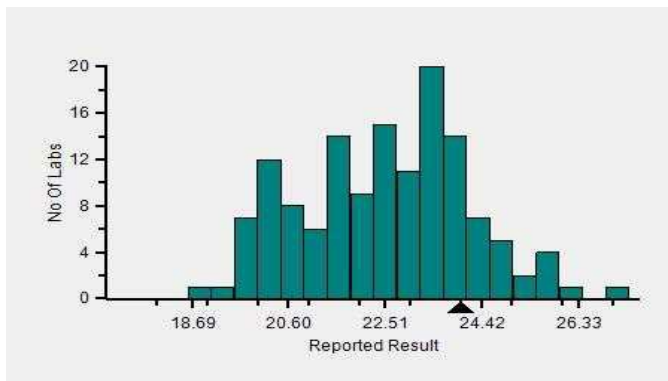
Frequency Histogram



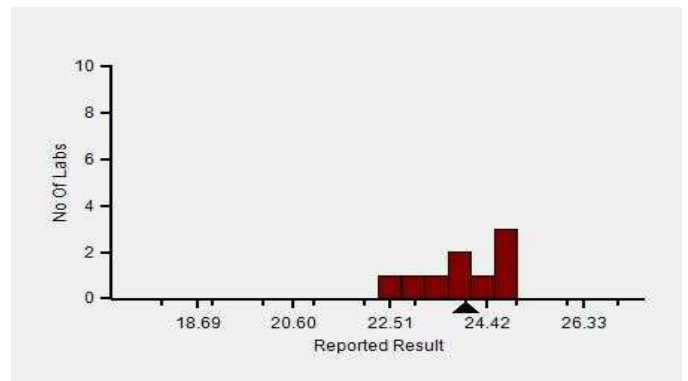
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

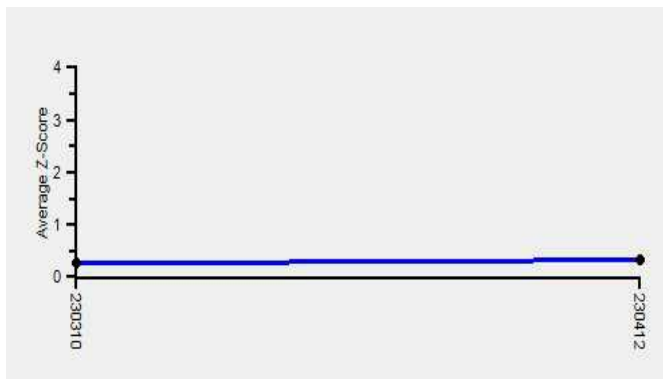
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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, MCHC (Mean Corpuscular Hb Concentration)

	N	Mean	SD	CV%	Excluded
All Analyzer	220	22.50	1.92	8.52	11
Your Analyzer : Horiba ABX Micros ES 60	10	0.00	0.00	0.00	1
Horiba Yumizen H550	41	0.00	0.00	0.00	1
Sysmex XP-100	25	0.00	0.00	0.00	1
Horiba Yumizen H500	24	23.10	1.09	4.72	-
Horiba Yumizen H500	23	23.07	1.11	4.79	-
Horiba Yumizen H500	22	0.00	0.00	0.00	-
Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	1
Mindray BC-5000	14	0.00	0.00	0.00	-

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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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	128	--	--	--	2
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	1

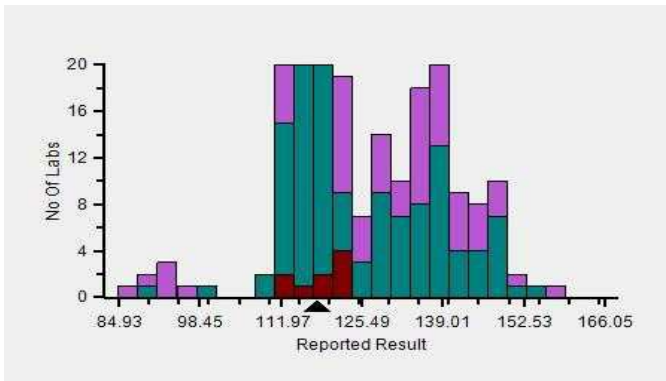
Evaluation Based On - Equipment wise Peer Grouping

Your Result	118.00	SDI / z-Score	0.05
Assigned Value	117.58	Average SDI	-0.02
SDPA	8.600	Uncertainty of AV	0.50
Standard Unit Result Val	118.00	%DEV	

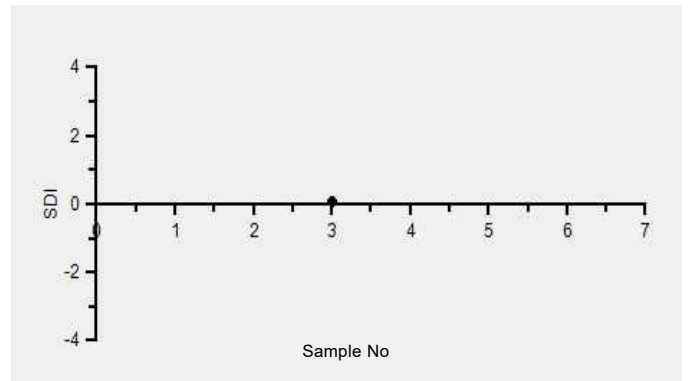
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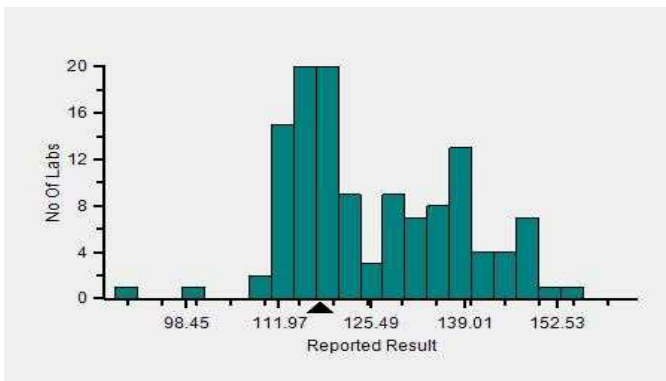
Frequency Histogram



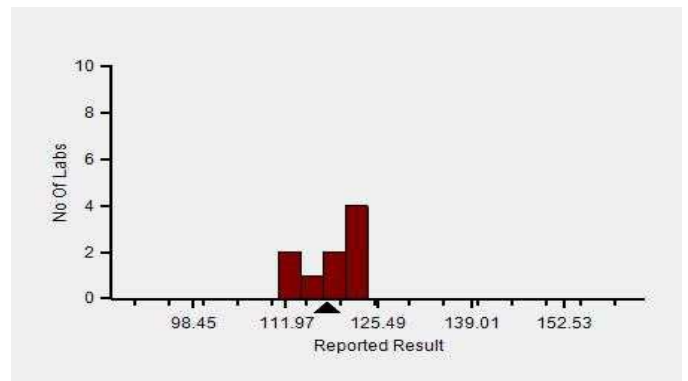
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

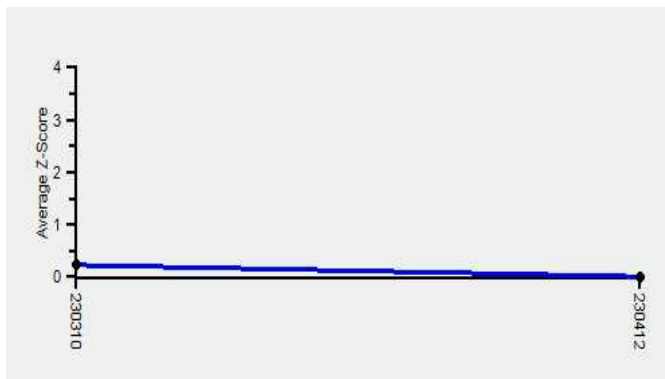
Report Date : 13/02/2024

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, MCV (Mean Corpuscular Volume)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	125.77	13.25	10.54	3
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	1
	Horiba Yumizen H550	42	0.00	0.00	0.00	1
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	23	117.78	3.13	2.66	-
	Horiba Yumizen H500	22	117.80	3.20	2.72	-
	Horiba Yumizen H500	21	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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.
- 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
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 - All failed - Unacceptable performance, Review for systematic error



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	221	116.06	16.69	14.38	18
Impedance - (Your Method)	205	--	--	--	15
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

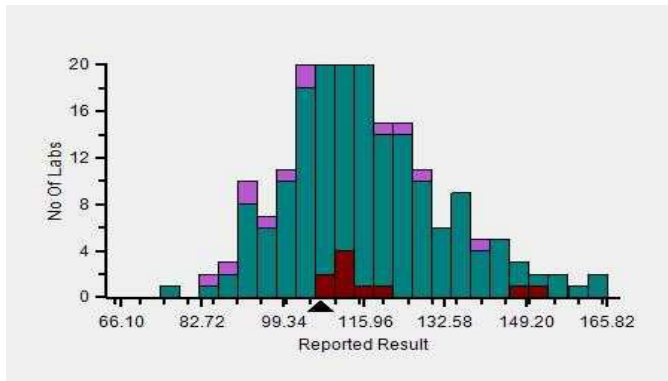
Evaluation Based On - Equipment wise Peer Grouping

Your Result	107.00	SDI / z-Score	-1.03
Assigned Value	123.18	Average SDI	-1.02
SDPA	15.679	Uncertainty of AV	2.43
Standard Unit Result Val	107.00	%DEV	

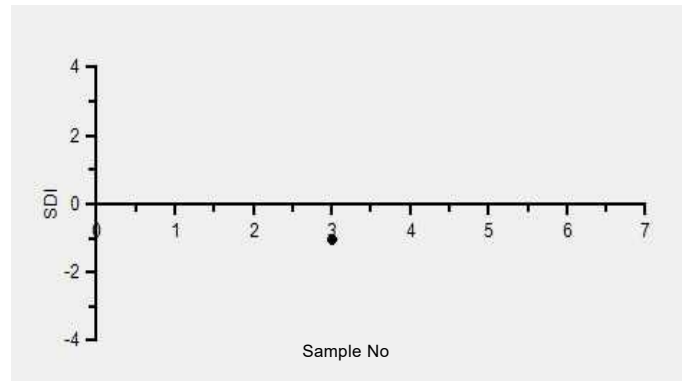
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

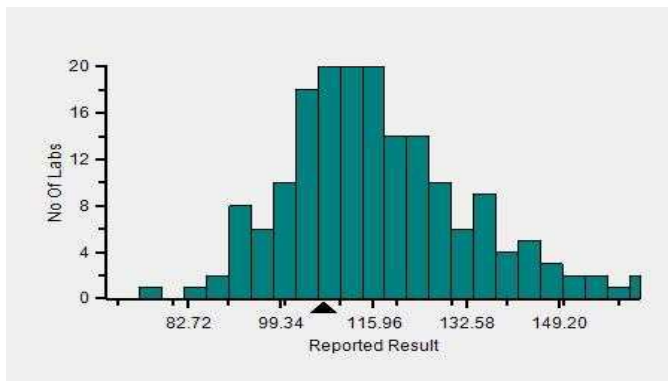
Frequency Histogram



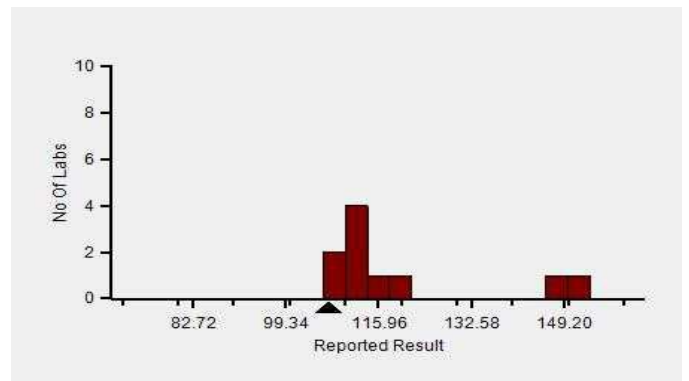
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

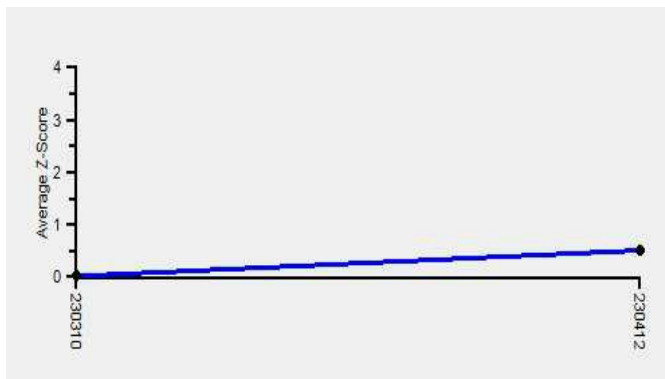
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	2
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	117.90	16.56	14.04	2
	Horiba Yumizen H500	21	118.63	16.67	14.06	2
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	2
	Mindray BC-5000	14	0.00	0.00	0.00	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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 - All failed - Unacceptable performance, Review for systematic error



Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 03

Report Date : 13/02/2024

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)	178	--	--	--	5
Horiba ABX Micros ES 60 - (Your Analyzer)	6	0.00	0.00	0.00	1

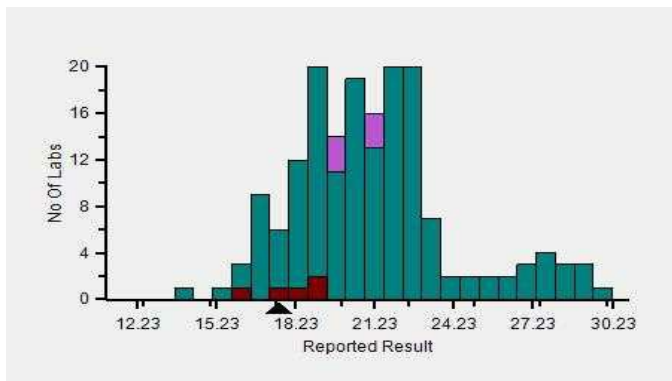
Evaluation Based On - Equipment wise Peer Grouping

Your Result	17.60	SDI / z-Score	-0.89
Assigned Value	19.10	Average SDI	-0.28
SDPA	1.698	Uncertainty of AV	0.27
Standard Unit Result Val	17.60	%DEV	

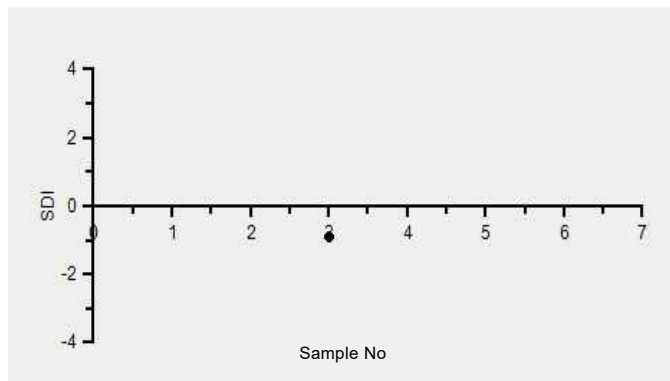
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

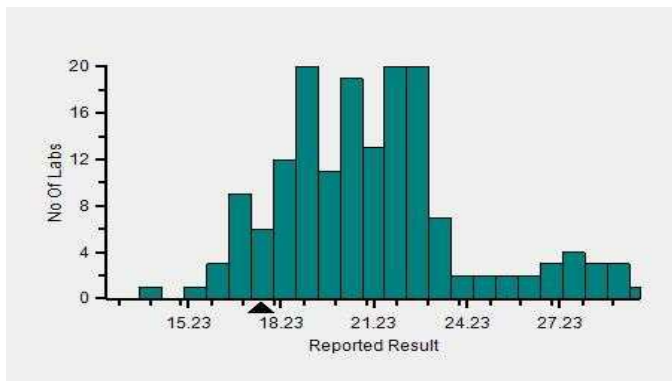
Frequency Histogram



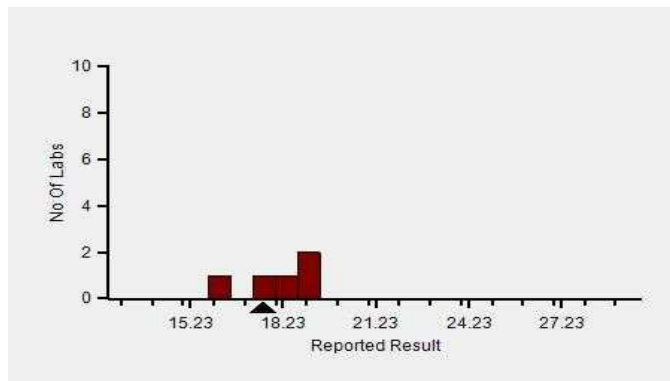
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

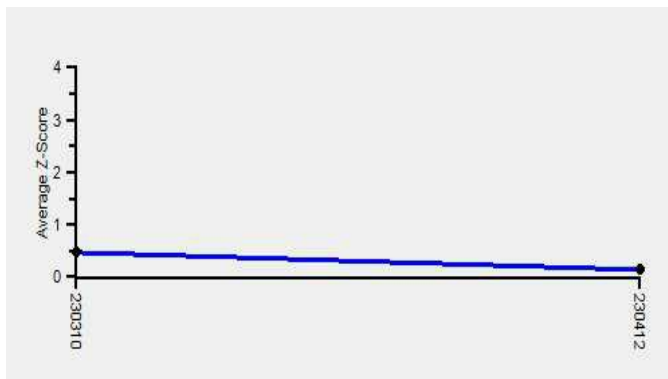
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	6	0.00	0.00	0.00	1
	Horiba Yumizen H550	40	0.00	0.00	0.00	2
	Sysmex XP-100	23	0.00	0.00	0.00	2
	Horiba Yumizen H500	22	19.08	1.54	8.07	-
	Horiba Yumizen H500	21	19.15	1.55	8.07	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	18	0.00	0.00	0.00	-
	Erba ELite 580	13	0.00	0.00	0.00	-

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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Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 03

Sample Date : 23/12/2023

Haematology - CBC, Total Leucocytes (WBC) count, /c.mm

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	219	3,226.20	791.90	24.55	40
Impedance - (Your Method)	180	--	--	--	31
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

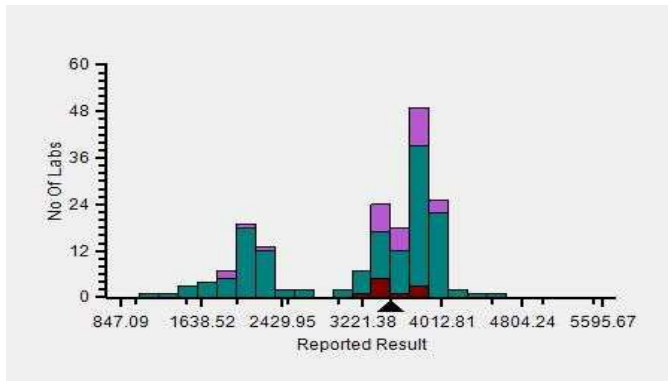
Evaluation Based On - Equipment wise Peer Grouping

Your Result	3.50	SDI / z-Score	0.00
Assigned Value	3,500.00	Average SDI	0.68
SDPA	168.954	Uncertainty of AV	63.68
Standard Unit Result Val	3,500.00	%DEV	

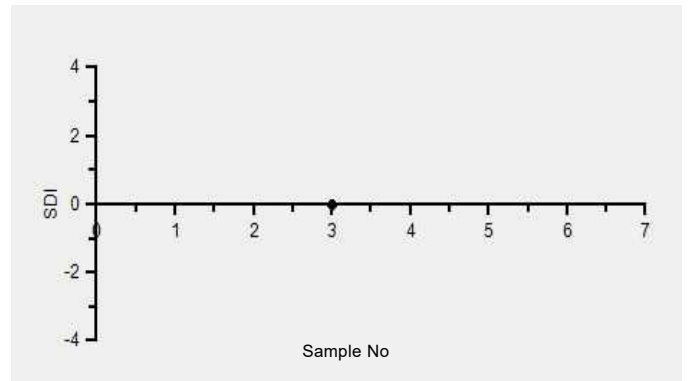
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

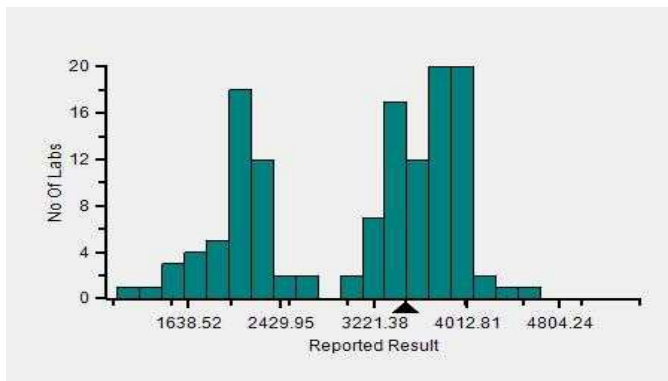
Frequency Histogram



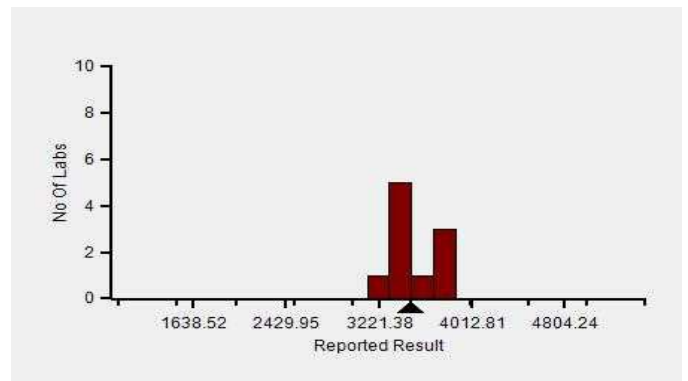
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

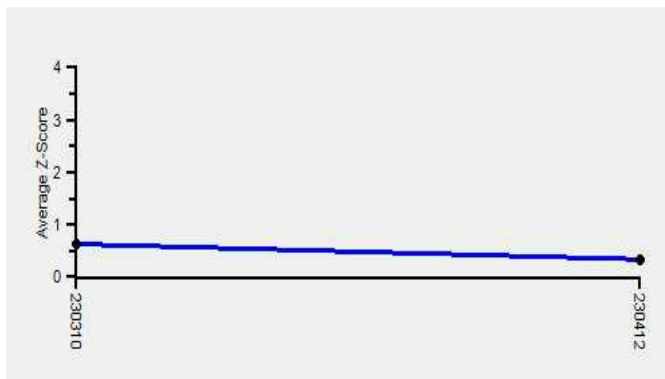
Report Date : 13/02/2024

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, Total Leucocytes (WBC) count						
		N	Mean	SD	CV%	Excluded
	All Analyzer	219	3,226.20	791.90	24.55	40
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	42	0.00	0.00	0.00	8
	Systemx XP-100	25	0.00	0.00	0.00	2
	Horiba Yumizen H500	22	2,040.00	310.39	15.22	3
	Horiba Yumizen H500	21	2,040.00	310.39	15.22	3
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	5
	Horiba Yumizen H500	20	0.00	0.00	0.00	3
	Mindray BC-5000	14	0.00	0.00	0.00	3

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

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



Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD, RAJPURA (1053)

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
No Outlier				
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 ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	2.12	2.14	-0.31	0.06
@ Total Leucocytes (WBC) count	/c.mm	7300.00	7640.00	1.35	1.28
@ Haemoglobin	g/dL	6.50	6.48	0.71	0.81
@ MCV (Mean Corpuscular Volume)	fL	123.00	124.00	-0.09	-0.36
@ MCH (Mean Corpuscular Hb)	pg	30.80	30.19	1.06	0.55
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	25.10	24.52	0.77	0.71
@ Platelet Count	1000/ μ L	203.00	221.70	-1.02	-0.55
@ Hematocrit	%	26.00	26.23	-0.30	-0.20
@ RDW CV%	%	19.00	18.88	0.33	0.57

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

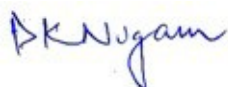
X : z score \geq 3 - Unacceptable

: Not Evaluated

⌚ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %



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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

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

Comparative Statistics

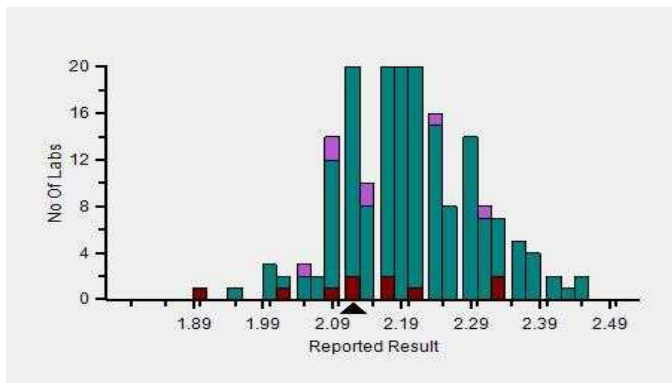
	N	Mean	SD	CV%	Excluded
All Methods	223	2.19	0.10	4.52	6
Impedance - (Your Method)	211	--	--	--	5
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

Evaluation Based On - Equipment wise Peer Grouping

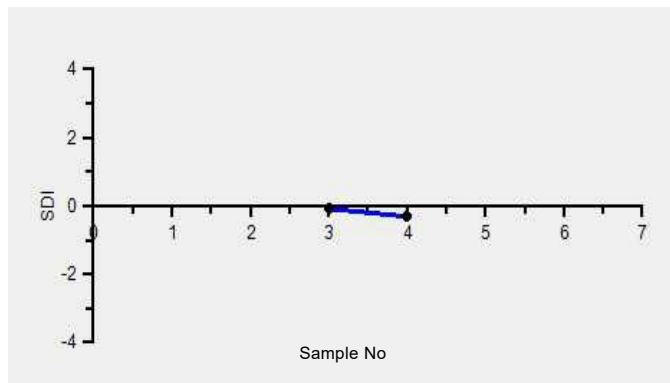
Your Result	2.12	SDI / z-Score	-0.31
Assigned Value	2.16	Average SDI	-0.20
SDPA	0.140	Uncertainty of AV	0.01
Standard Unit Result Val	2.12	%DEV	

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

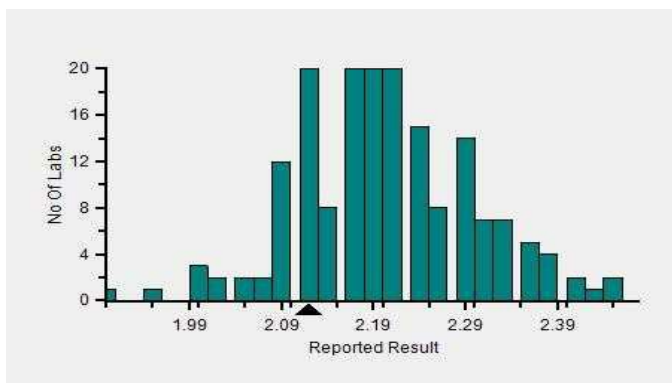
Frequency Histogram



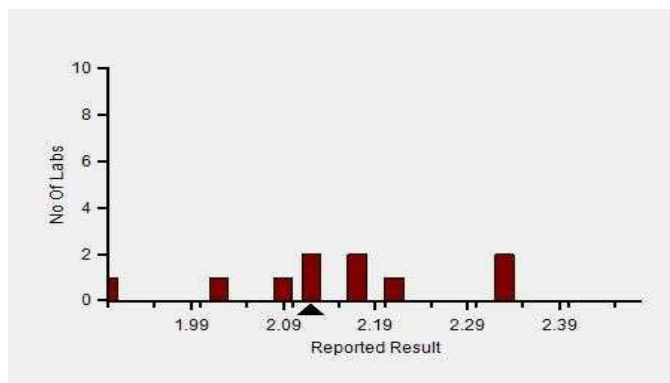
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

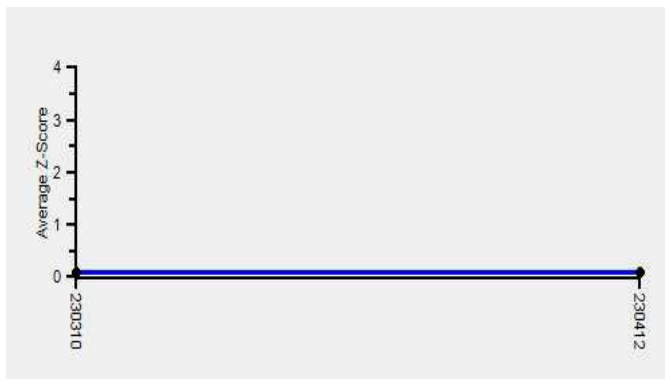
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	2
	Sysmex XP-100	24	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	2.16	0.06	2.83	1
	Horiba Yumizen H500	21	2.16	0.06	2.87	1
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	1
	Mindray BC-5000	14	0.00	0.00	0.00	-

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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- All failed - Unacceptable performance, Review for systematic error



Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	56	--	--	--	2
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

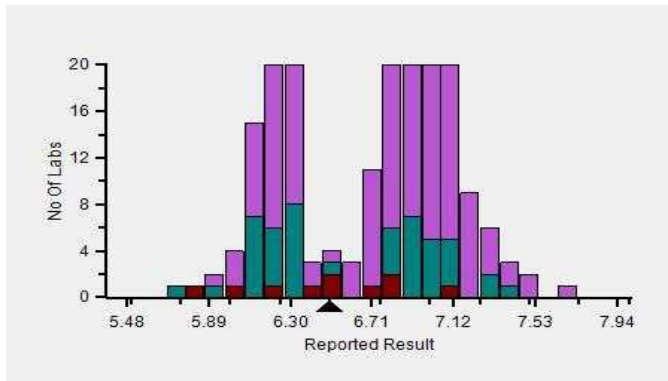
Evaluation Based On - Equipment wise Peer Grouping

Your Result	6.50	SDI / z-Score	0.71
Assigned Value	6.22	Average SDI	0.80
SDPA	0.390	Uncertainty of AV	0.02
Standard Unit Result Val	6.50	%DEV	

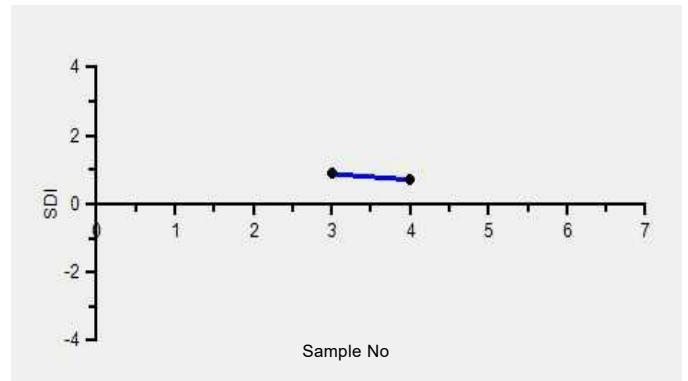
Note : # - Not evaluated / Bimodal distribution

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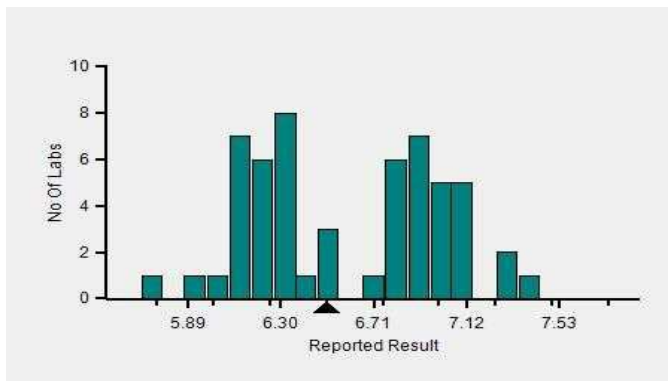
Frequency Histogram



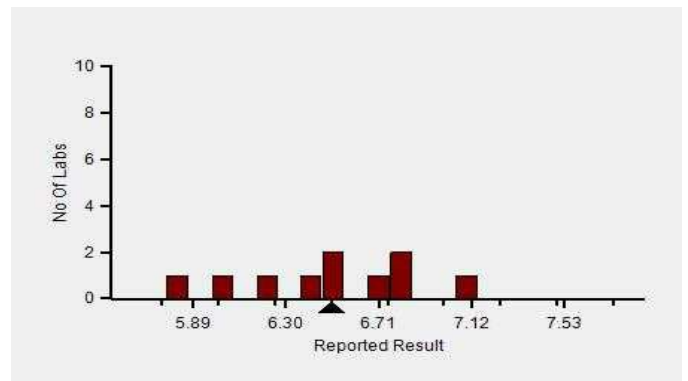
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

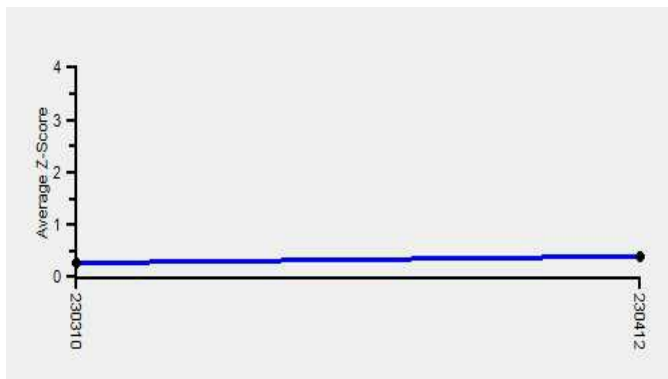
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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, Haemoglobin

		N	Mean	SD	CV%	Excluded
	All Analyzer	224	6.72	0.41	6.08	4
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	2
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	23	6.20	0.10	1.53	-
	Horiba Yumizen H500	22	6.21	0.10	1.53	-
	Horiba Yumizen H500	21	0.00	0.00	0.00	-
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	Erba ELite 580	13	0.00	0.00	0.00	-

Remarks: Interpretation of your reports

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- All failed - Unacceptable performance, Review for systematic error



Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

Report Date : 13/02/2024

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)	130	--	--	--	5
Horiba ABX Micros ES 60 - (Your Analyzer)	8	0.00	0.00	0.00	1

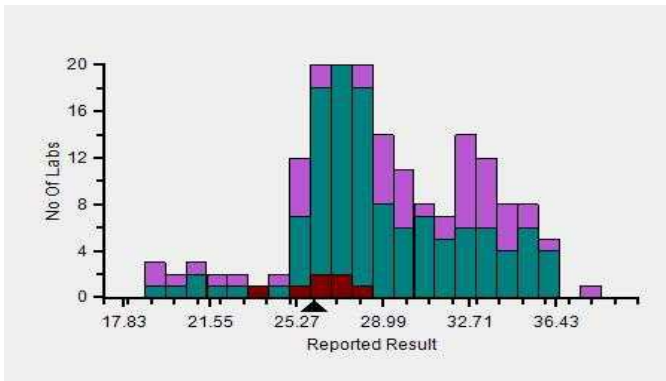
Evaluation Based On - Equipment wise Peer Grouping

Your Result	26.00	SDI / z-Score	-0.30
Assigned Value	26.85	Average SDI	-0.19
SDPA	2.840	Uncertainty of AV	0.17
Standard Unit Result Val	26.00	%DEV	

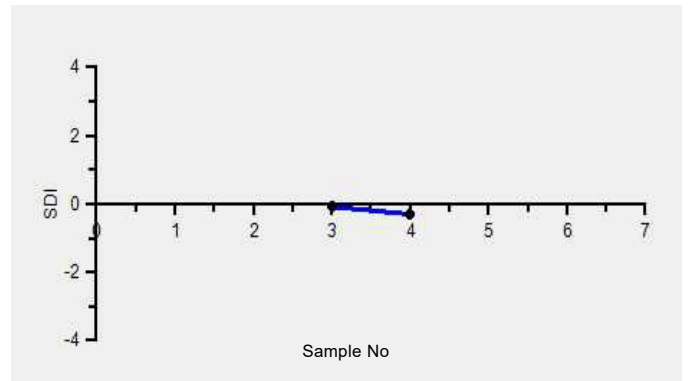
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

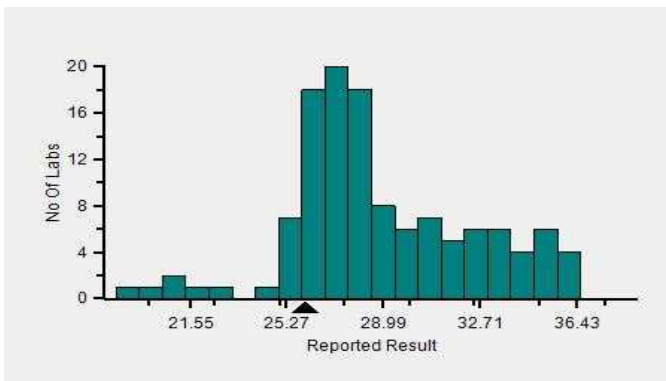
Frequency Histogram



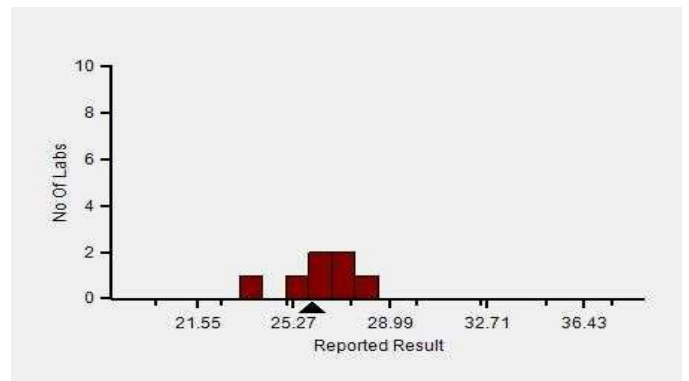
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

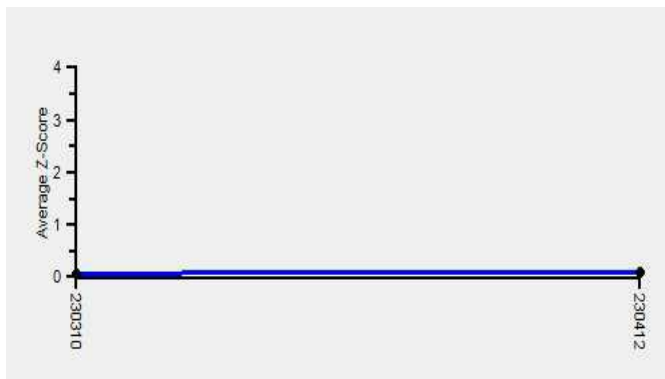
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	8	0.00	0.00	0.00	1
	Horiba Yumizen H550	41	0.00	0.00	0.00	1
	Sysmex XP-100	23	0.00	0.00	0.00	1
	Horiba Yumizen H500	22	26.65	1.73	6.50	-
	Horiba Yumizen H500	21	26.74	1.71	6.40	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	1
	Mindray BC-5000	14	0.00	0.00	0.00	-

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.
- 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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

Report Date : 13/02/2024

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)	149	--	--	--	3
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

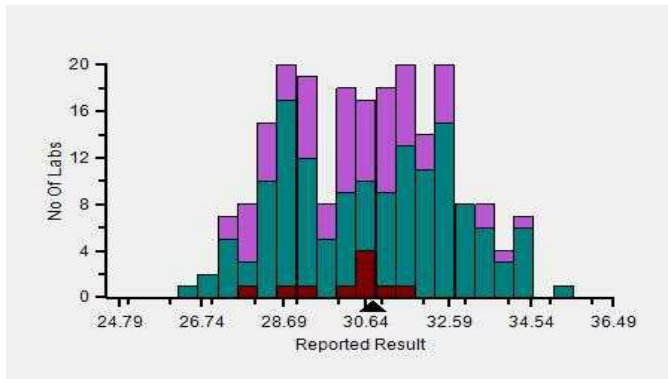
Evaluation Based On - Equipment wise Peer Grouping

Your Result	30.80	SDI / z-Score	1.06
Assigned Value	28.79	Average SDI	0.97
SDPA	1.900	Uncertainty of AV	0.11
Standard Unit Result Val	30.80	%DEV	

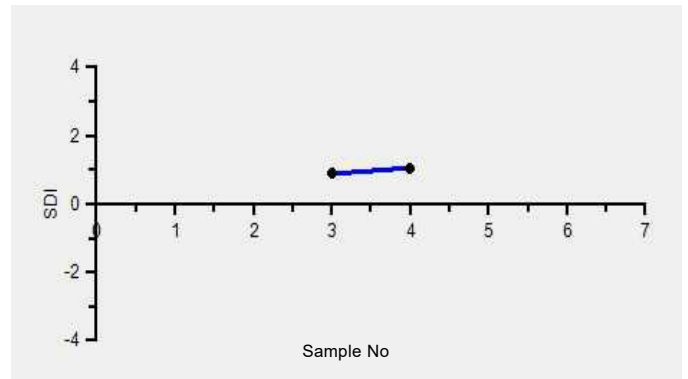
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

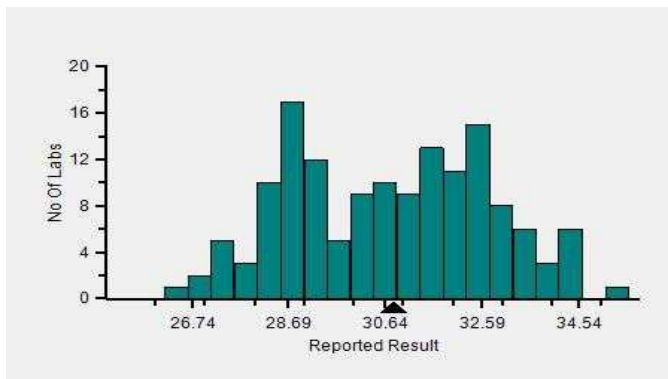
Frequency Histogram



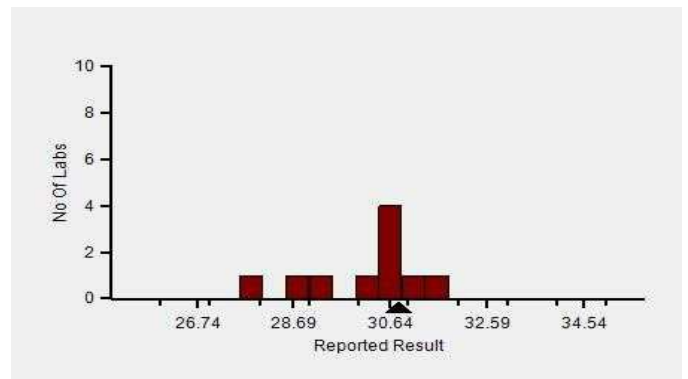
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

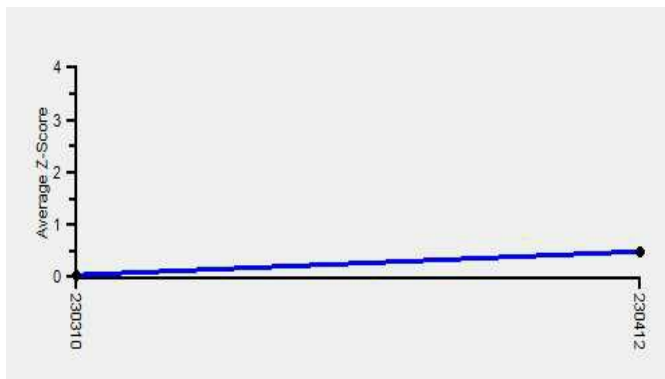
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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, MCH (Mean Corpuscular Hb)						
		N	Mean	SD	CV%	Excluded
	All Analyzer	221	30.65	1.96	6.38	3
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	42	0.00	0.00	0.00	-
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	23	28.75	0.85	2.96	1
	Horiba Yumizen H500	22	28.75	0.87	3.04	1
	Horiba Yumizen H500	21	0.00	0.00	0.00	1
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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.
- 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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- 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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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)	147	--	--	--	7
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	1

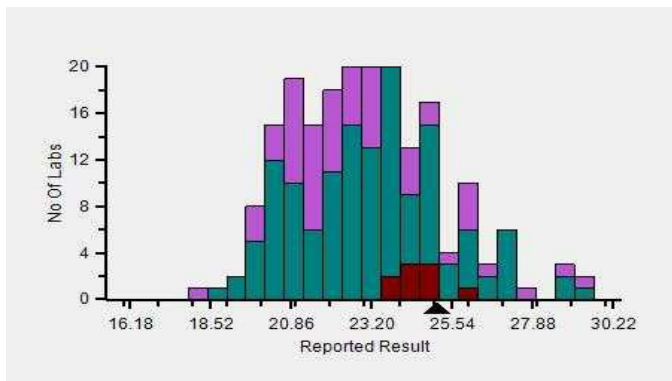
Evaluation Based On - Equipment wise Peer Grouping

Your Result	25.10	SDI / z-Score	0.77
Assigned Value	23.32	Average SDI	0.66
SDPA	2.300	Uncertainty of AV	0.16
Standard Unit Result Val	25.10	%DEV	

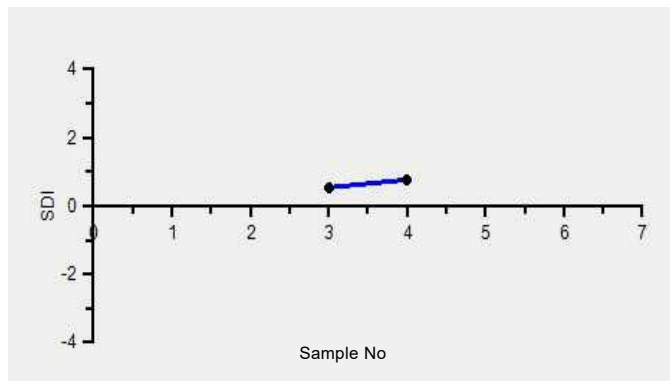
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

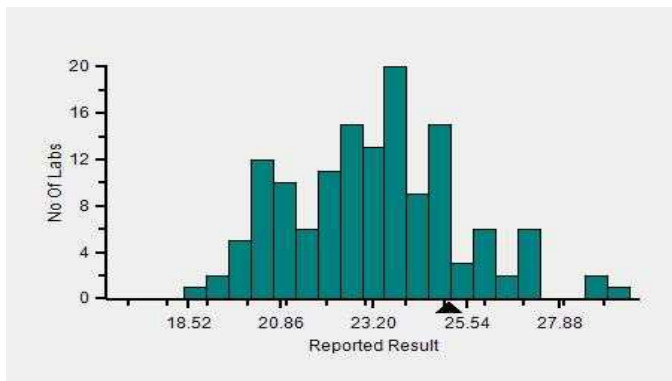
Frequency Histogram



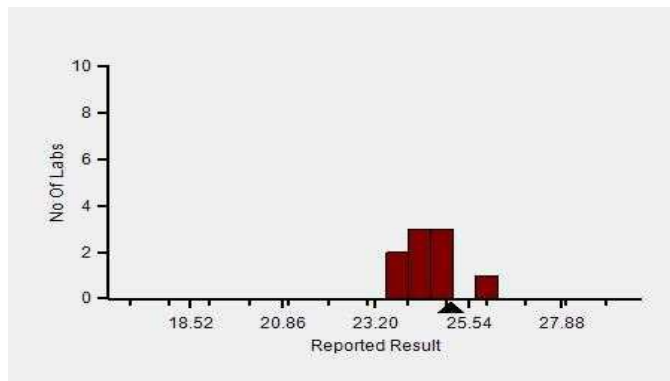
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

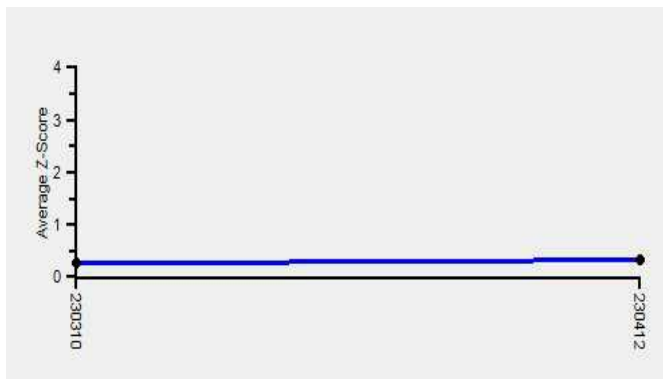
Report Date : 13/02/2024

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, MCHC (Mean Corpuscular Hb Concentration)

		N	Mean	SD	CV%	Excluded
	All Analyzer	221	23.20	2.35	10.13	11
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	1
	Horiba Yumizen H550	41	0.00	0.00	0.00	-
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	24	23.04	0.88	3.84	1
	Horiba Yumizen H500	23	22.97	0.83	3.60	1
	Horiba Yumizen H500	22	0.00	0.00	0.00	1
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	1
	Mindray BC-5000	14	0.00	0.00	0.00	-

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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- 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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

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	222	132.37	15.71	11.87	2
Calculated - (Your Method)	129	--	--	--	1
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	1

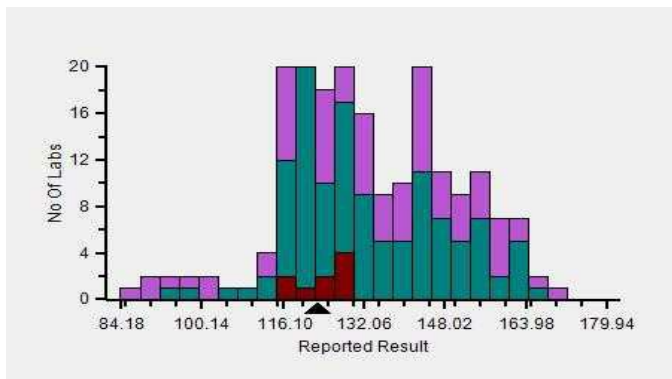
Evaluation Based On - Equipment wise Peer Grouping

Your Result	123.00	SDI / z-Score	-0.09
Assigned Value	123.81	Average SDI	-0.02
SDPA	8.600	Uncertainty of AV	0.71
Standard Unit Result Val	123.00	%DEV	

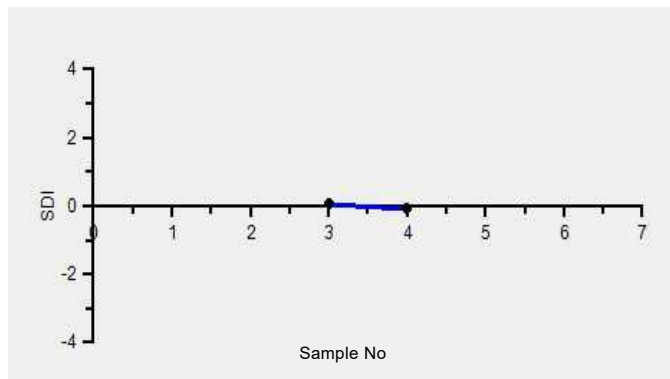
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

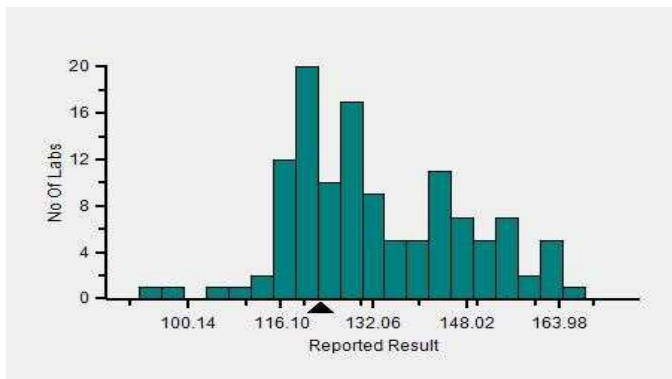
Frequency Histogram



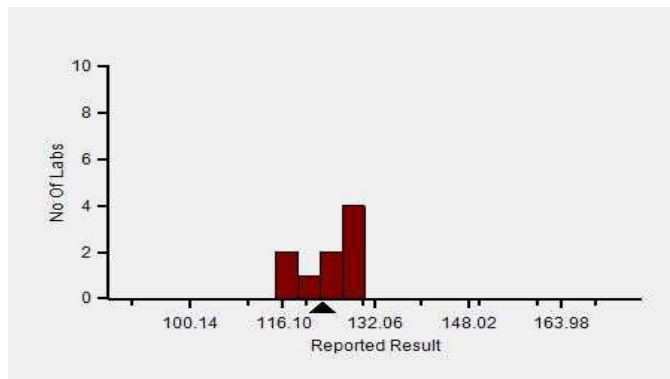
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

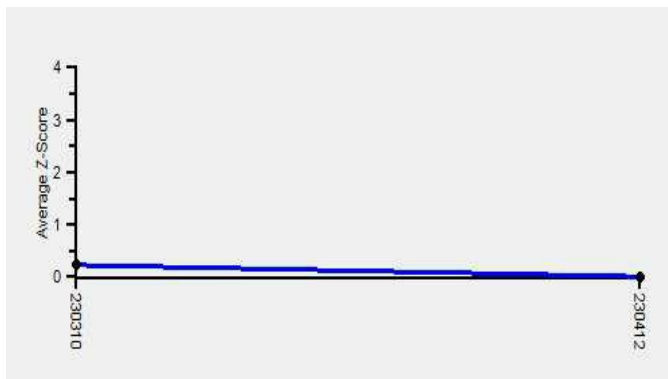
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	1
	Horiba Yumizen H550	42	0.00	0.00	0.00	-
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	23	124.58	4.09	3.29	-
	Horiba Yumizen H500	22	124.95	3.77	3.02	-
	Horiba Yumizen H500	21	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	19	0.00	0.00	0.00	-
	Mindray BC-5000	14	0.00	0.00	0.00	-

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:

- 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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	222	218.96	22.67	10.35	24
Impedance - (Your Method)	205	--	--	--	21
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

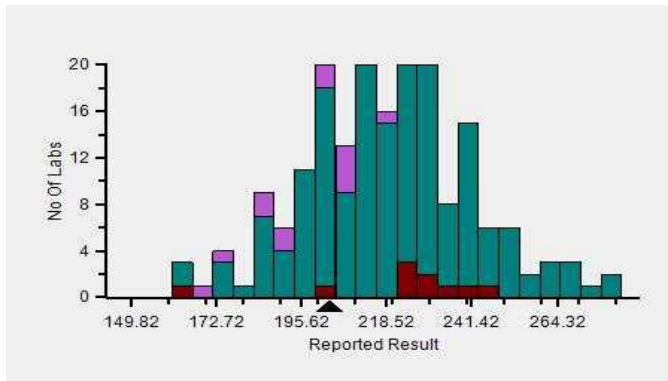
Evaluation Based On - Equipment wise Peer Grouping

Your Result	203.00	SDI / z-Score	-1.02
Assigned Value	224.79	Average SDI	-1.02
SDPA	21.400	Uncertainty of AV	2.29
Standard Unit Result Val	203.00	%DEV	

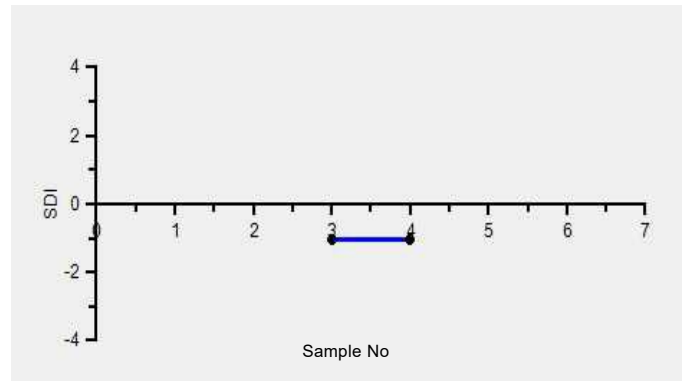
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

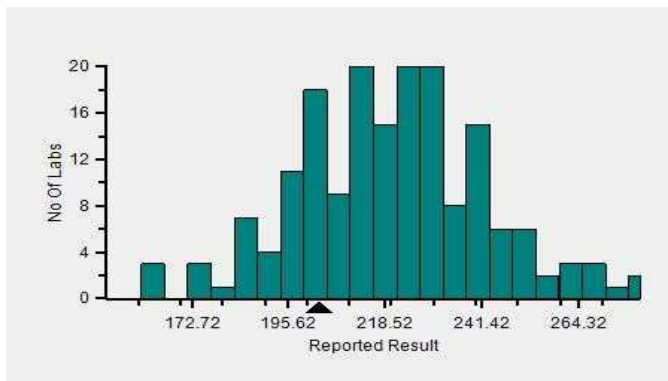
Frequency Histogram



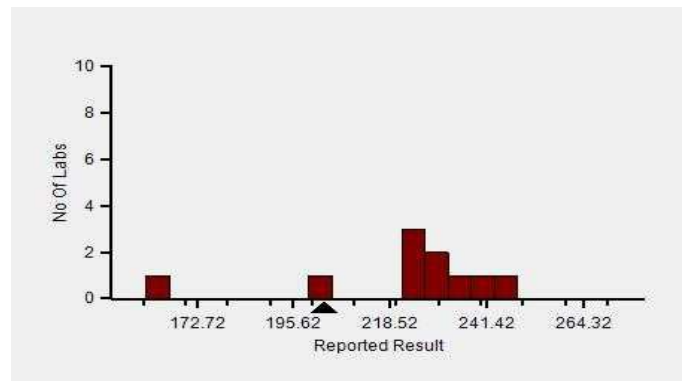
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

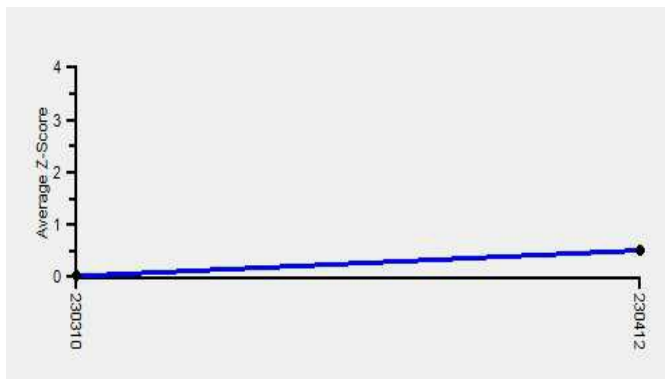
Report Date : 13/02/2024

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, Platelet Count

		N	Mean	SD	CV%	Excluded
	All Analyzer	222	218.96	22.67	10.35	24
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	43	0.00	0.00	0.00	4
	Sysmex XP-100	25	0.00	0.00	0.00	2
	Horiba Yumizen H500	22	216.30	20.15	9.31	2
	Horiba Yumizen H500	21	218.47	18.13	8.30	2
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	2
	Mindray BC-5000	14	0.00	0.00	0.00	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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Interpretation when an analyte is reported for multiple samples in a Round:

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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 : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 04

Report Date : 13/02/2024

Sample Date : 23/12/2023

Haematology - CBC, RDW CV%, %

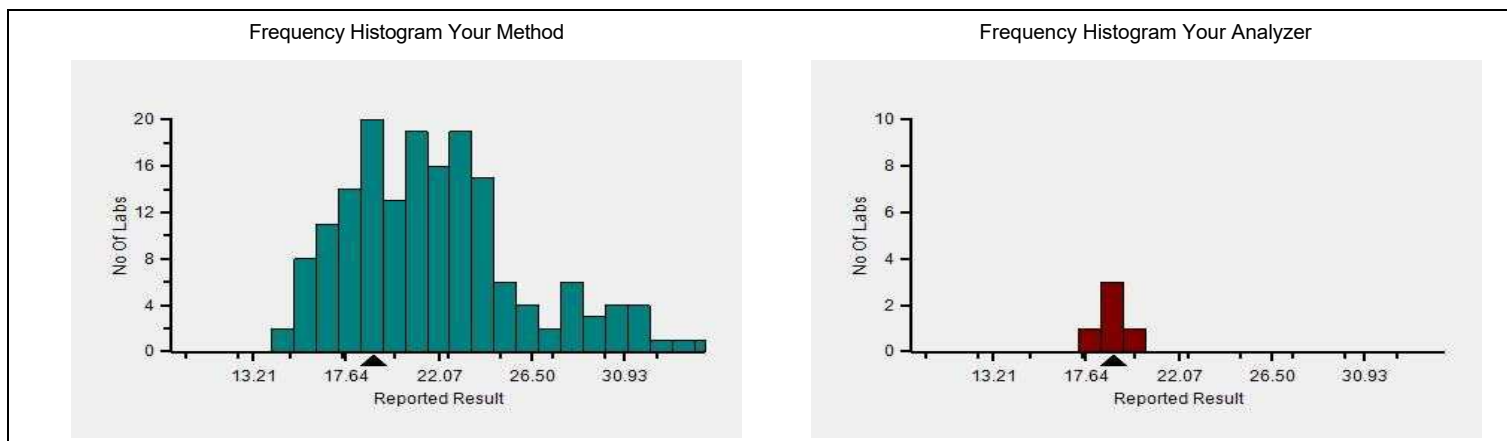
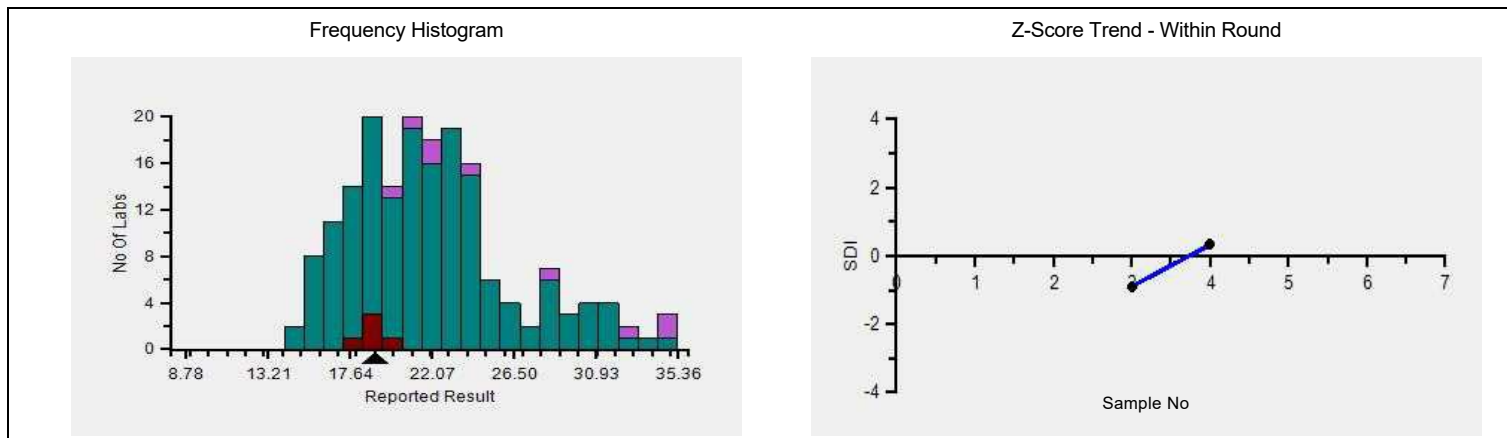
Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	190	22.08	4.44	20.09	8
Calculated - (Your Method)	177	--	--	--	6
Horiba ABX Micros ES 60 - (Your Analyzer)	6	0.00	0.00	0.00	1

Evaluation Based On - Equipment wise Peer Grouping			
Your Result	19.00	SDI / z-Score	0.33
Assigned Value	18.37	Average SDI	-0.28
SDPA	1.893	Uncertainty of AV	0.30
Standard Unit Result Val	19.00	%DEV	

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



Lab : 1053

Cycle No : 230412

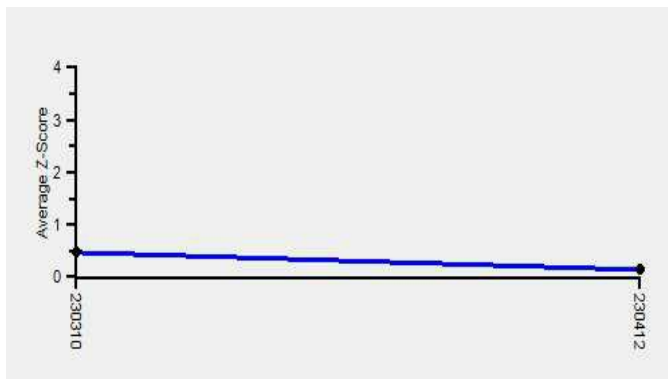
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	6	0.00	0.00	0.00	1
	Horiba Yumizen H550	40	0.00	0.00	0.00	2
	Sysmex XP-100	23	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	18.44	1.76	9.53	-
	Horiba Yumizen H500	21	18.44	1.76	9.53	-
	Horiba Yumizen H500	20	0.00	0.00	0.00	-
	Nihon Kohden Celltac Alpha	18	0.00	0.00	0.00	-
	Erba ELite 580	13	0.00	0.00	0.00	-

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.
- 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



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 04

Sample Date : 23/12/2023

Haematology - CBC, Total Leucocytes (WBC) count, /c.mm

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	220	7,277.89	1,145.02	15.73	35
Impedance - (Your Method)	180	--	--	--	28
Horiba ABX Micros ES 60 - (Your Analyzer)	10	0.00	0.00	0.00	--

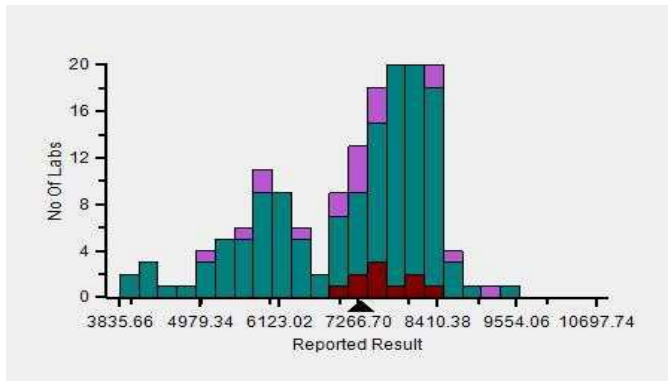
Evaluation Based On - Equipment wise Peer Grouping

Your Result	7.30	SDI / z-Score	1.35
Assigned Value	6,017.66	Average SDI	0.68
SDPA	952.966	Uncertainty of AV	165.19
Standard Unit Result Val	7,300.00	%DEV	

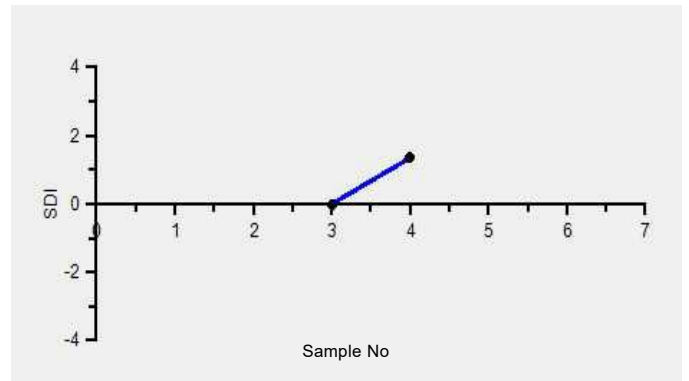
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

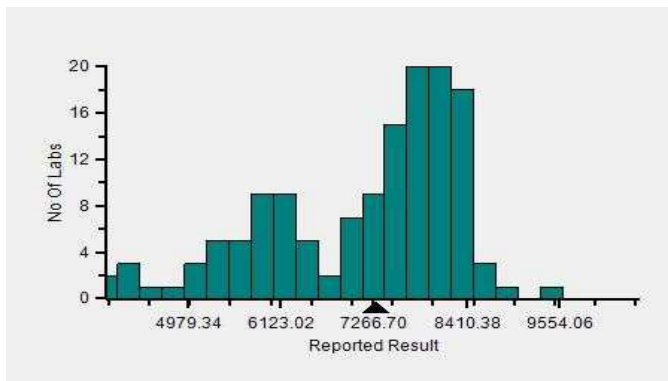
Frequency Histogram



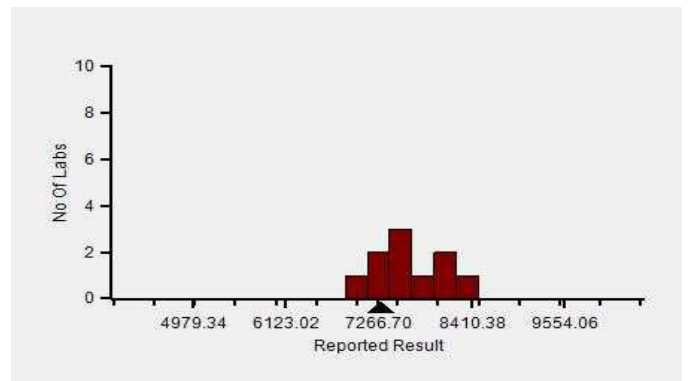
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Lab : 1053

Cycle No : 230412

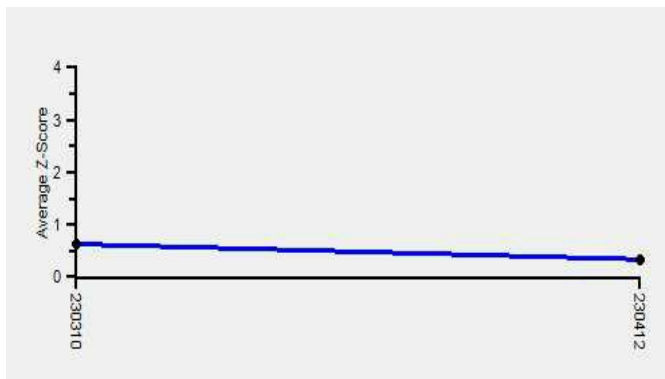
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

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
Your Analyzer :	Horiba ABX Micros ES 60	10	0.00	0.00	0.00	-
	Horiba Yumizen H550	42	0.00	0.00	0.00	5
	Sysmex XP-100	25	0.00	0.00	0.00	-
	Horiba Yumizen H500	22	5,897.65	716.64	12.15	5
	Horiba Yumizen H500	21	5,885.00	738.18	12.54	5
	Nihon Kohden Celltac Alpha	20	0.00	0.00	0.00	5
	Horiba Yumizen H500	20	0.00	0.00	0.00	5
	Mindray BC-5000	14	0.00	0.00	0.00	2

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
- b) Reported on 3 samples:
 - All pass - Acceptable performance
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PC-1022



Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD, RAJPURA (1053)

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 %



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Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

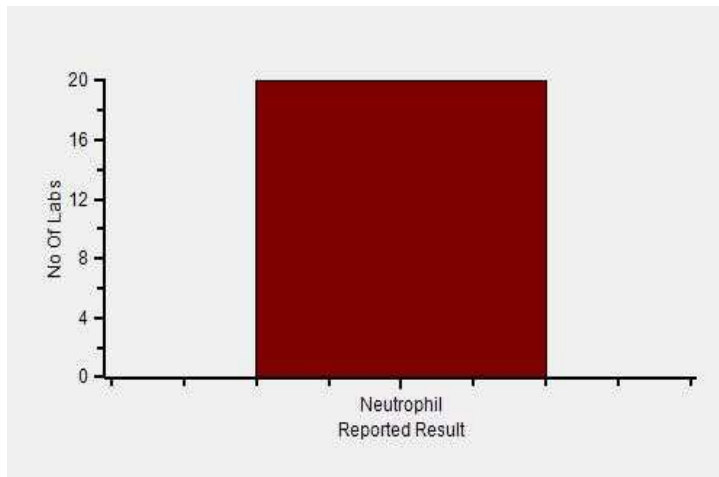
Haematology - Peripheral smear diagnosis, Diagnosis (Slide), -

	N
■ All Methods	29
■ -- (Your Method)	29
■ -- (Your Analyzer)	29

Your Result		Neutrophilic Leucocytosis
Result Expected	#	

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

Frequency Histogram



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

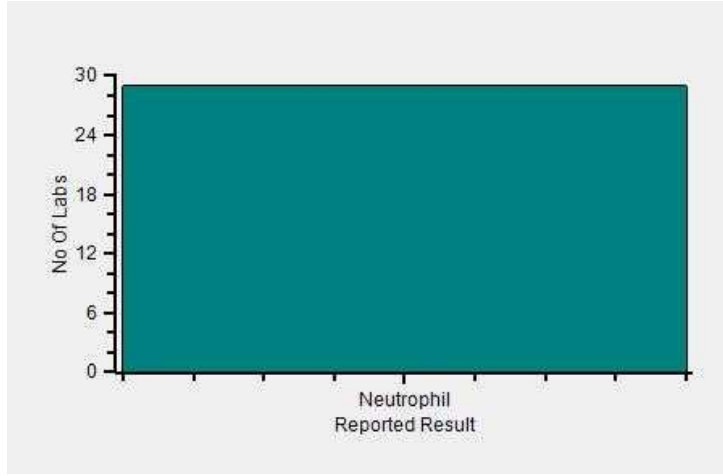
Report Date : 13/02/2024

Cycle No : 230412

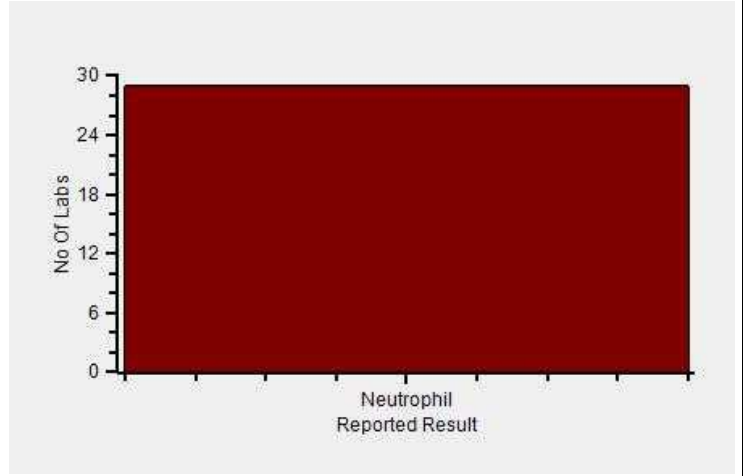
Sample No : 02

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
- MA** : Microcytic hypochromic anaemia
- Eos** : Eosinophilia
- PV** : P. vivax
- Leu** : Leucopenia
- 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
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Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD, RAJPURA (1053)

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: _____

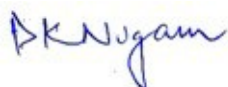
Dated: _____

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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Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

Haematology-PS Slide Count Qualitative, Eosinophil., -

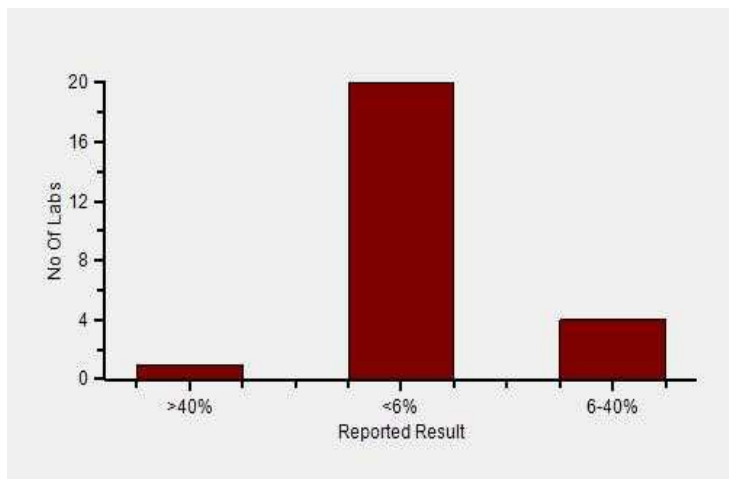
- All Methods
- Microscopy - (Your Method)
- - - (Your Analyzer)

N
42
42
42

Your Result	<6%
Result Expected	<6%

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

Frequency Histogram



Lab : 1053

Cycle No : 230412

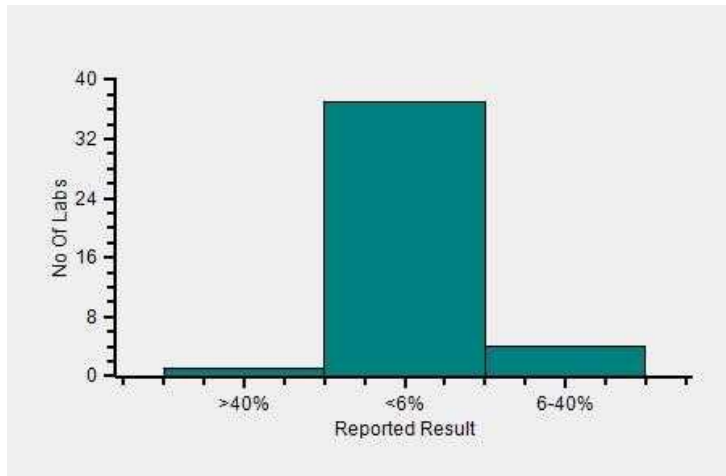
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 02

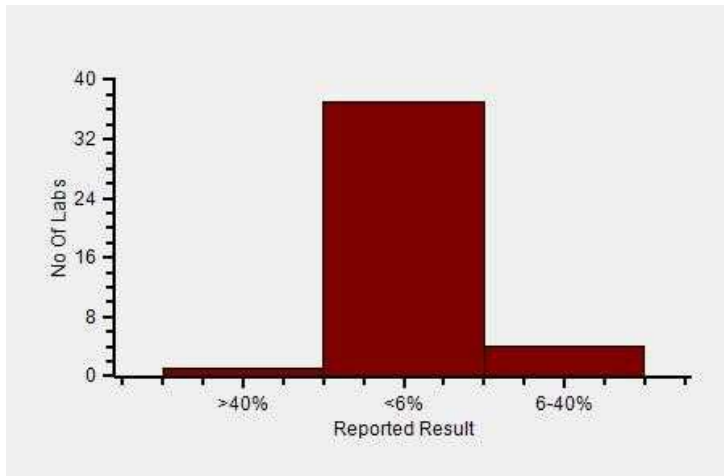
Report Date : 13/02/2024

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:

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Lab : 1053

Cycle No : 230412

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 02

Report Date : 13/02/2024

Sample Date : 23/12/2023

Haematology-PS Slide Count Qualitative, Lymphocyte., -

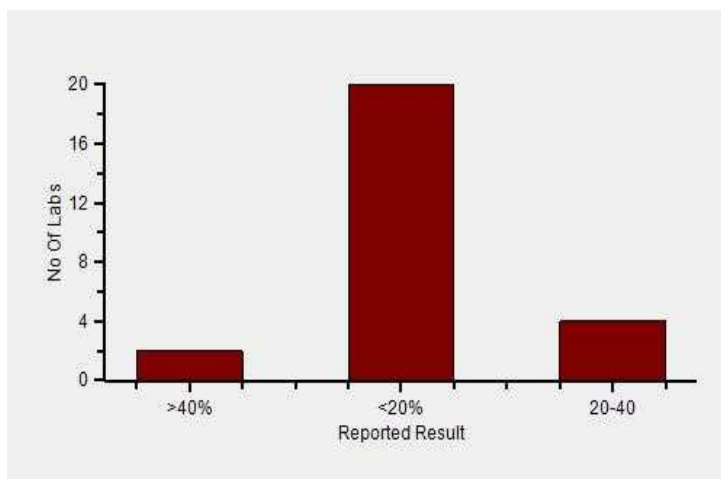
- All Methods
- Microscopy - (Your Method)
- - - (Your Analyzer)

N
42
42
42

Your Result	<20%
Result Expected	<20%

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

Frequency Histogram



Lab : 1053

Cycle No : 230412

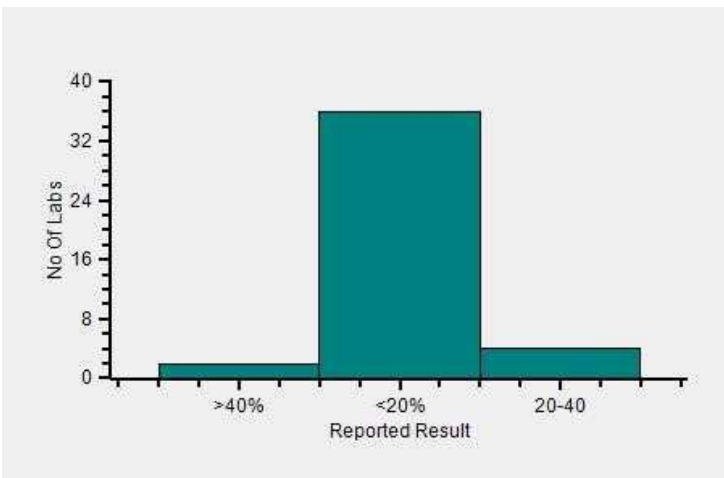
Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

Sample No : 02

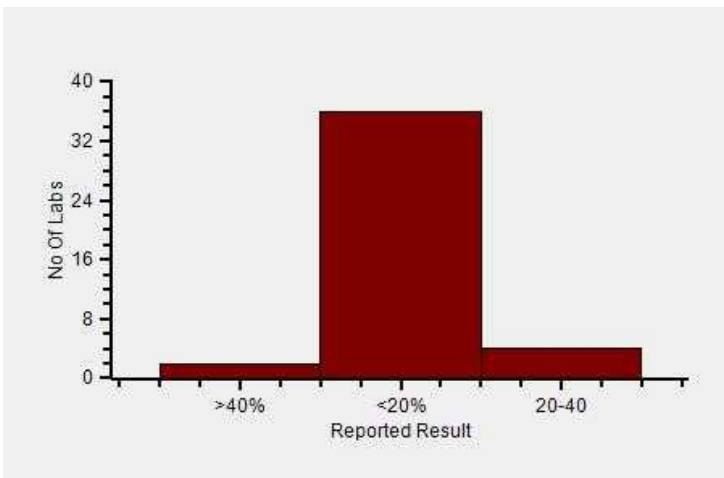
Report Date : 13/02/2024

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:

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Report Date : 13/02/2024

Cycle No : 230412

Sample No : 02

Sample Date : 23/12/2023

Haematology-PS Slide Count Qualitative, Neutrophil., -

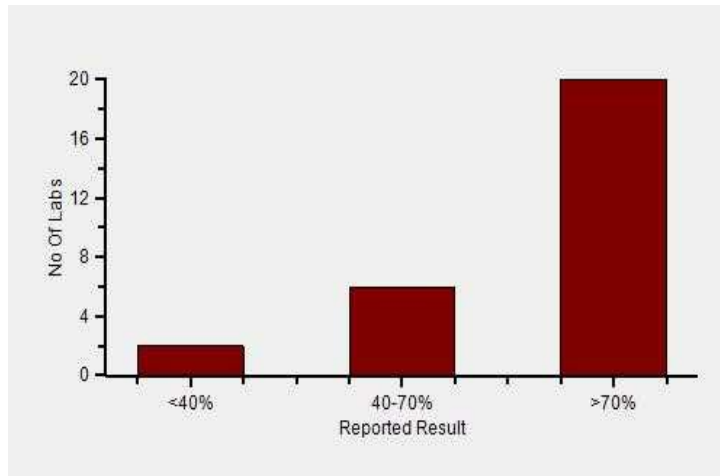
- All Methods
- Microscopy - (Your Method)
- - - (Your Analyzer)

N
42
42
42

Your Result	>70%
Result Expected	>70%

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

Frequency Histogram



Lab : 1053

Lab Name : KRSNAA DIAGNOSTICS LTD, RAJPURA

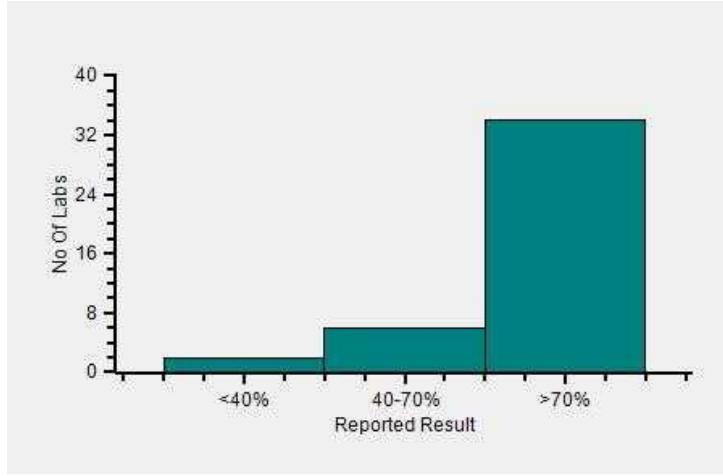
Report Date : 13/02/2024

Cycle No : 230412

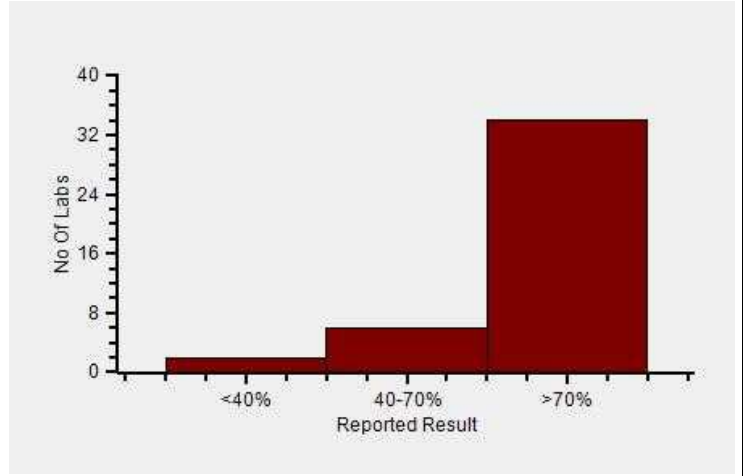
Sample No : 02

Sample Date : 23/12/2023

Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Reported Results Legends :-

60-80%	: 60-80%
<40%	: <40%
40-70%	: 40-70%
>70%	: >70%

Comments :

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