

Analyte Methodwise Result Report

Lab : 596

Cycle No : 220412

Lab Name : HEALTH HORIZON DIAGNOSTICS

Sample No : 4

Report Date : 25/01/2023

Sample Date : 27-12-2022

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

Comparative Statistics	N	Mean	SD	CV%	Excluded
All Methods	136	2.59	0.09	3.44	2
Impedance - (Your Method)	129	2.59	0.09	3.40	2
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	2.68	0.12	4.56	--

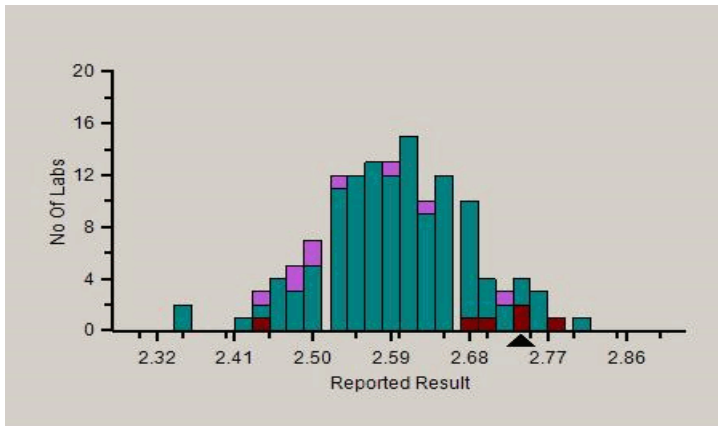
Evaluation Based On - Equipment wise Peer Grouping

Your Result	2.74	SDI / z-Score	1.07
Assigned Value	2.57	Average SDI	0.87
SDPA	0.158	Uncertainty of AV	0.04
Standard Unit Result Val	2.74	%DEV	2.35

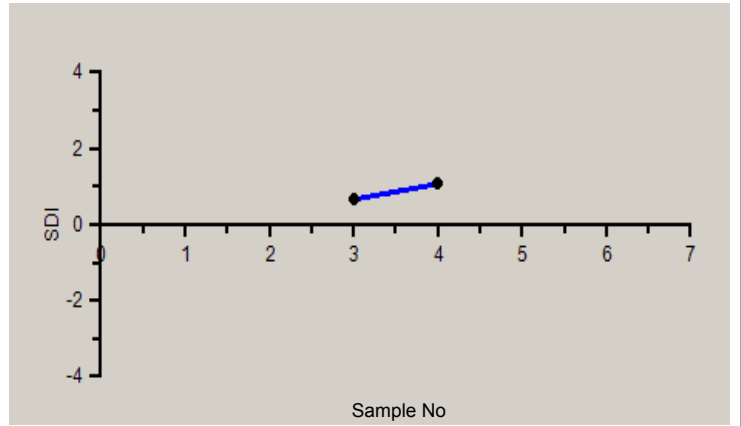
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

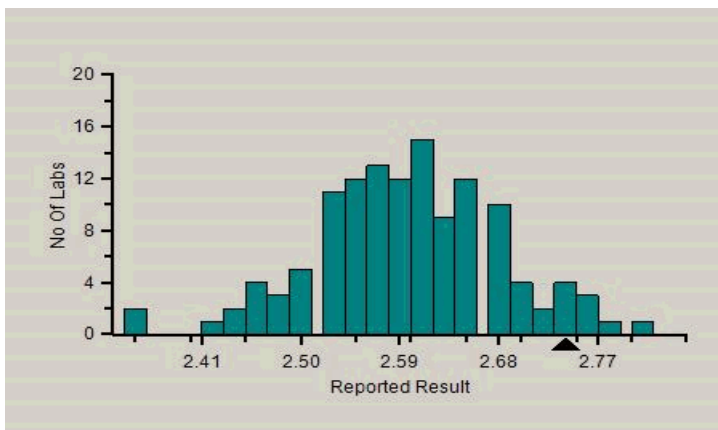
Frequency Histogram



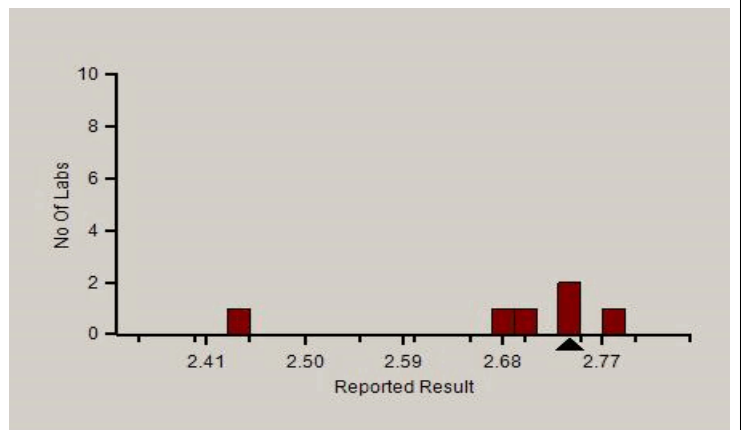
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, Erythrocyte (RBC) Count

		N	Mean	SD	CV%	Excluded
	All Analyzer	136	2.59	0.09	3.44	2
Your Analyzer :	Nihon Kohden Celltac Alpha	6	2.68	0.12	4.56	--
	Beckman Coulter DxH 500	38	2.59	0.07	2.55	1
	Beckman Coulter DxH 500	38	2.59	0.07	2.55	1
	Beckman Coulter DxH 520	18	2.61	0.08	3.18	--
	Horiba Yumizen H500	18	2.59	0.08	3.05	1
	Horiba Yumizen H500	18	2.59	0.08	3.05	1
	Beckman Coulter DxH 800	11	2.57	0.06	2.25	--
	Horiba Yumizen H550	10	2.62	0.06	2.37	--

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
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 - Both failed - Unacceptable performance, Review for systematic error
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Haematology - CBC, Haemoglobin, g/dL

Comparative Statistics

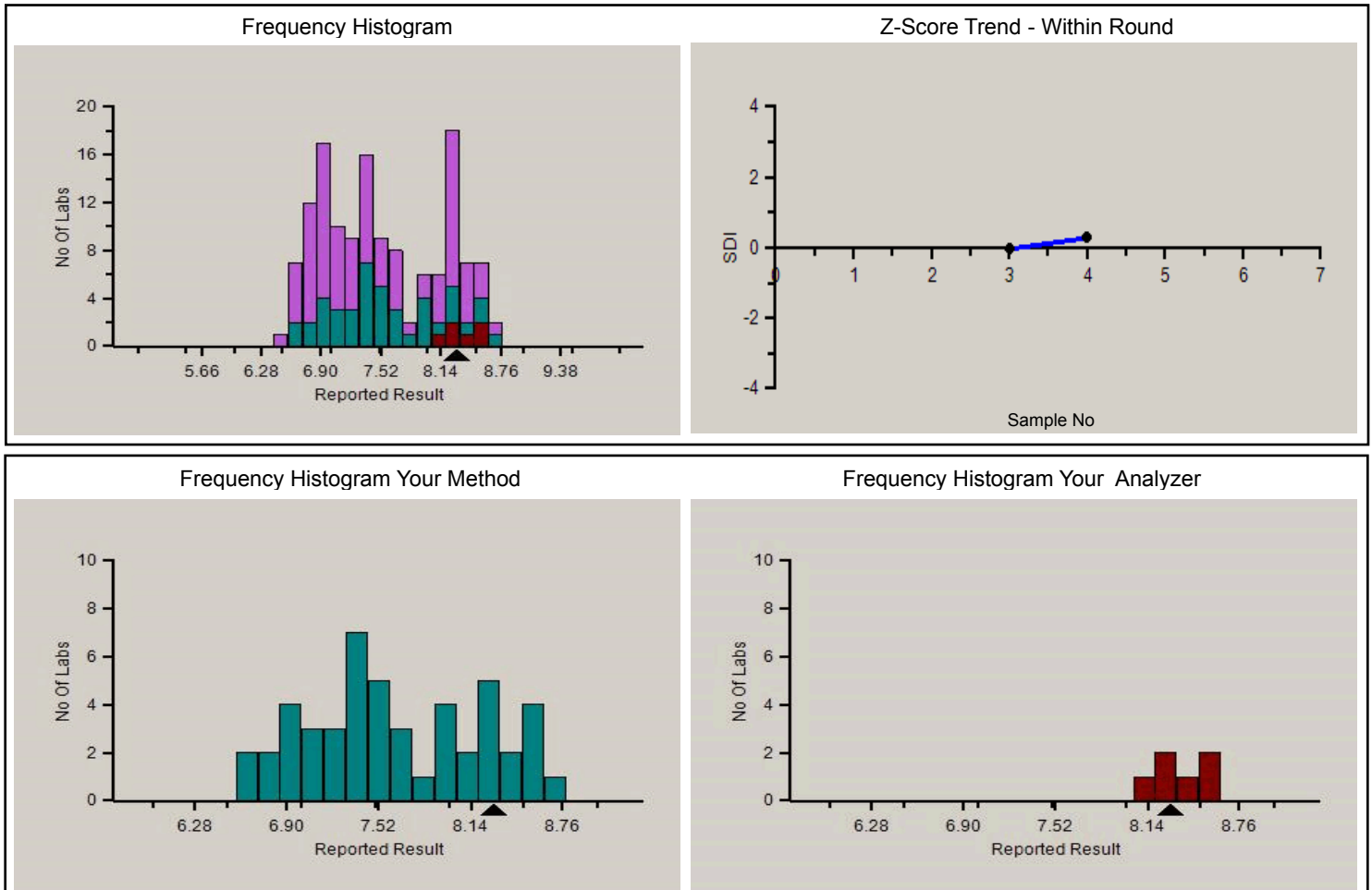
	N	Mean	SD	CV%	Excluded
All Methods	136	7.52	0.62	8.27	1
Impedance - (Your Method)	48	7.62	0.59	7.73	--
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	8.34	0.16	1.94	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	8.30	SDI / z-Score	0.28
Assigned Value	8.18	Average SDI	0.12
SDPA	0.415	Uncertainty of AV	0.12
Standard Unit Result Val	8.30	%DEV	-0.52

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



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Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, Haemoglobin

		N	Mean	SD	CV%	Excluded
	All Analyzer	136	7.52	0.62	8.27	1
Your Analyzer :	Nihon Kohden Celltac Alpha	6	8.34	0.16	1.94	--
	Beckman Coulter DxH 500	38	6.97	0.35	4.99	--
	Beckman Coulter DxH 500	38	6.97	0.35	4.99	--
	Beckman Coulter DxH 520	18	6.94	0.21	3.07	--
	Horiba Yumizen H500	17	7.49	0.29	3.88	1
	Horiba Yumizen H500	17	7.49	0.29	3.88	1
	Beckman Coulter DxH 800	11	8.00	0.19	2.38	--
	Horiba Yumizen H550	11	7.47	0.16	2.09	--

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:

- a) Reported on 2 samples:
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Sample No : 4

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Sample Date : 27-12-2022

Haematology - CBC, Hematocrit, %

Comparative Statistics

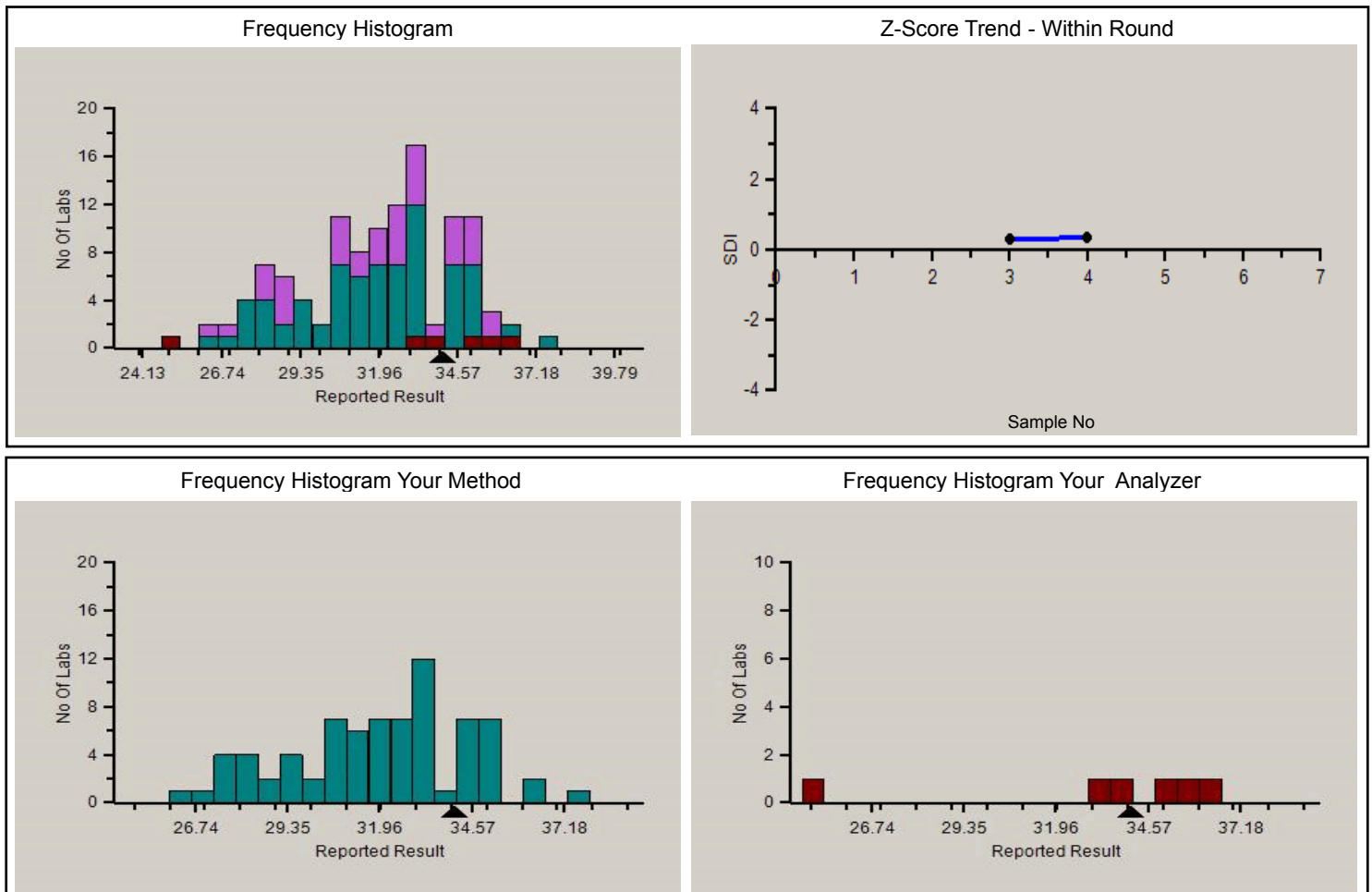
	N	Mean	SD	CV%	Excluded
All Methods	116	31.97	2.60	8.13	2
Calculated - (Your Method)	76	31.98	2.52	7.88	1
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	33.43	4.16	12.43	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	34.10	SDI / z-Score	0.35
Assigned Value	32.73	Average SDI	0.32
SDPA	3.923	Uncertainty of AV	1.19
Standard Unit Result Val	34.10	%DEV	2.00

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



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Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, Hematocrit

		N	Mean	SD	CV%	Excluded
	All Analyzer	116	31.97	2.60	8.13	2
Your Analyzer :	Nihon Kohden Celltac Alpha	6	33.43	4.16	12.43	--
	Beckman Coulter DxH 500	26	32.46	0.96	2.96	1
	Beckman Coulter DxH 500	26	32.46	0.96	2.96	1
	Beckman Coulter DxH 520	18	32.05	1.50	4.69	--
	Horiba Yumizen H500	18	28.89	1.68	5.82	1
	Horiba Yumizen H500	18	28.89	1.68	5.82	1
	Horiba Yumizen H550	10	29.10	1.34	4.60	--
	Beckman Coulter DxH 800	9	35.07	0.72	2.05	--

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	135	29.15	2.51	8.62	1
Calculated - (Your Method)	106	28.93	2.63	9.09	1
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	31.32	1.95	6.22	--

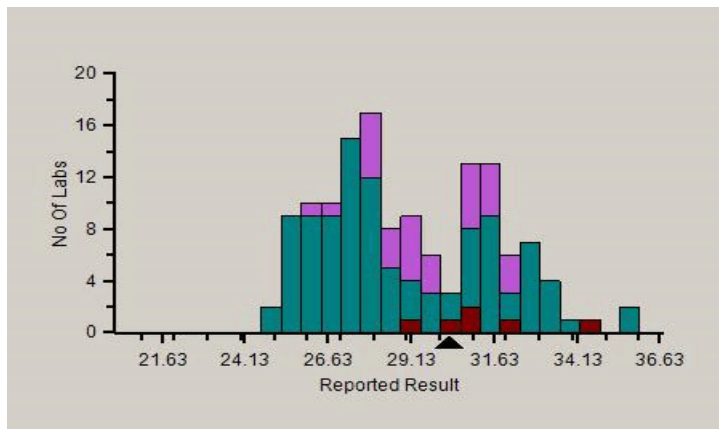
Evaluation Based On - Equipment wise Peer Grouping

Your Result	30.30	SDI / z-Score	-0.79
Assigned Value	31.63	Average SDI	-0.66
SDPA	1.676	Uncertainty of AV	0.47
Standard Unit Result Val	30.30	%DEV	-3.25

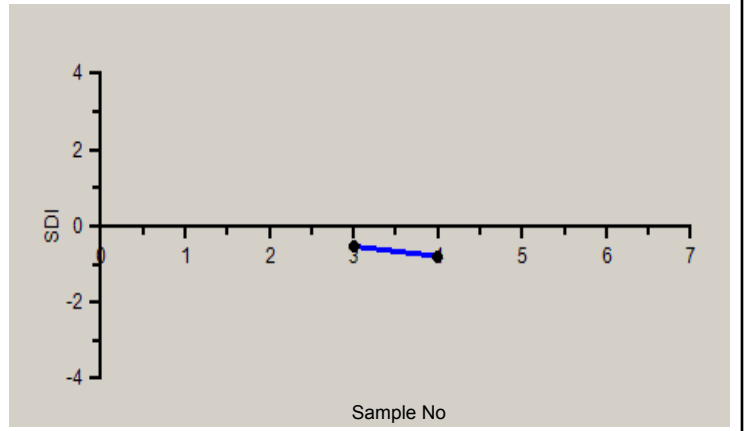
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

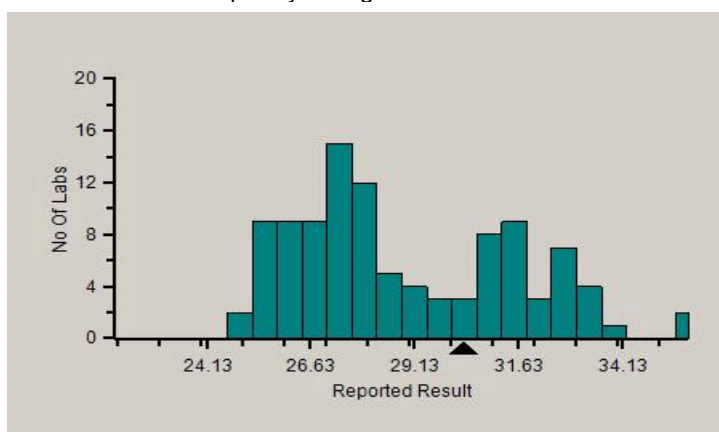
Frequency Histogram



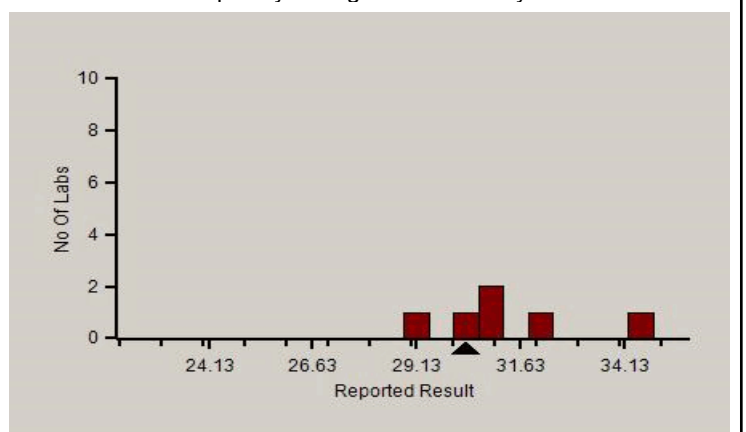
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Sample Date : 27-12-2022

Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, MCH (Mean Corpuscular Hb)

		N	Mean	SD	CV%	Excluded
	All Analyzer	135	29.15	2.51	8.62	1
Your Analyzer :	Nihon Kohden Celltac Alpha	6	31.32	1.95	6.22	--
	Beckman Coulter DxH 500	37	26.98	1.28	4.75	1
	Beckman Coulter DxH 500	37	26.98	1.28	4.75	1
	Beckman Coulter DxH 520	18	26.64	0.86	3.24	--
	Horiba Yumizen H500	18	28.93	0.94	3.24	--
	Horiba Yumizen H500	18	28.93	0.94	3.24	--
	Beckman Coulter DxH 800	11	31.06	0.26	0.83	--
	Horiba Yumizen H550	10	28.62	0.68	2.38	--

Remarks: Interpretation of your reports

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

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Sample No : 4

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Sample Date : 27-12-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	135	23.42	2.04	8.70	6
Calculated - (Your Method)	105	23.02	1.89	8.22	4
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	23.72	0.71	2.99	1

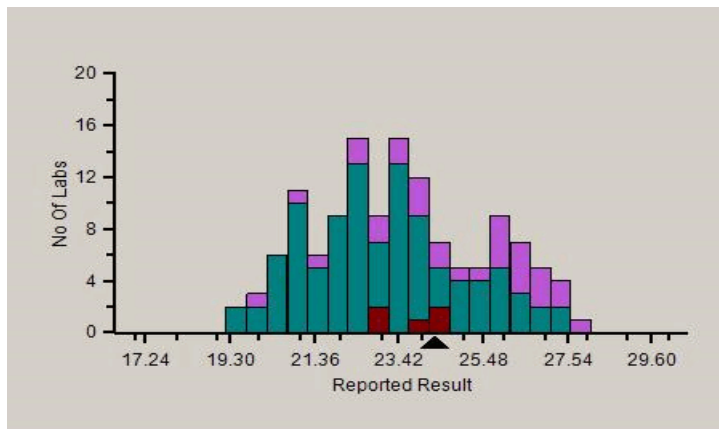
Evaluation Based On - Equipment wise Peer Grouping

Your Result	24.30	SDI / z-Score	0.24
Assigned Value	23.91	Average SDI	0.24
SDPA	1.600	Uncertainty of AV	0.46
Standard Unit Result Val	24.30	%DEV	2.45

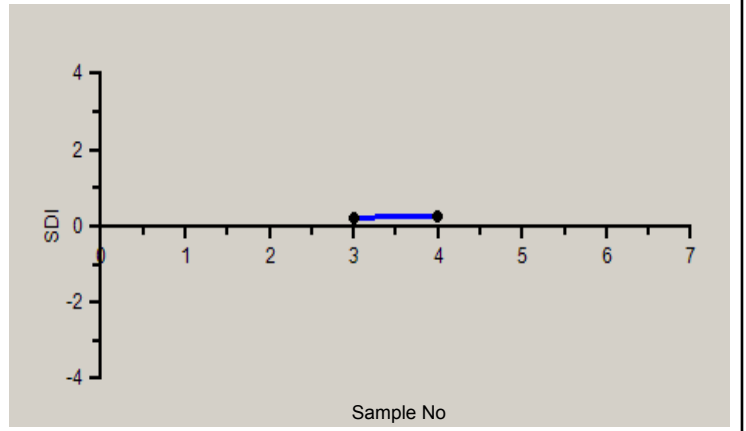
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

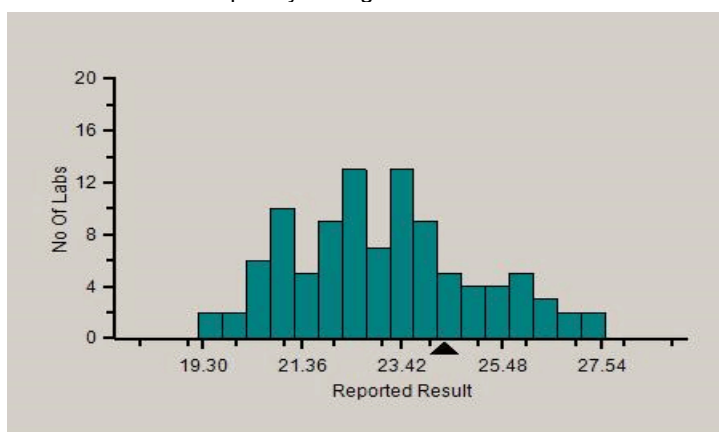
Frequency Histogram



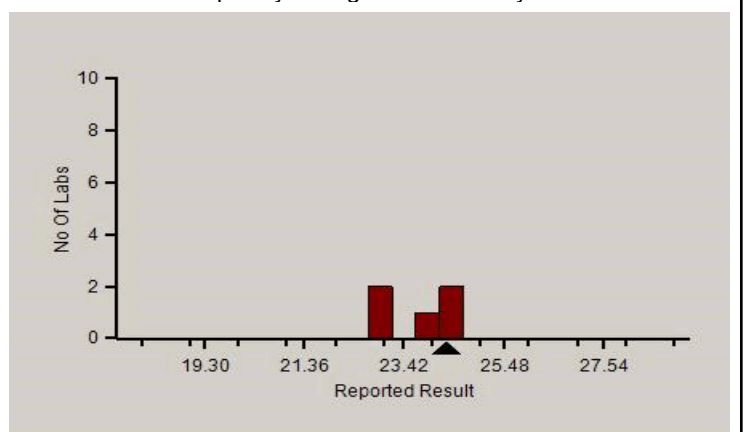
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

Analyte Methodwise Result Report

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Sample No : 4

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Sample Date : 27-12-2022

Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, MCHC (Mean Corpuscular Hb Concentration)

		N	Mean	SD	CV%	Excluded
	All Analyzer	135	23.42	2.04	8.70	6
Your Analyzer :	Nihon Kohden Celltac Alpha	6	23.72	0.71	2.99	1
	Beckman Coulter DxH 500	37	21.62	1.25	5.77	1
	Beckman Coulter DxH 500	37	21.62	1.25	5.77	1
	Beckman Coulter DxH 520	18	21.69	1.04	4.80	--
	Horiba Yumizen H500	18	25.93	1.11	4.27	--
	Horiba Yumizen H500	18	25.93	1.11	4.27	--
	Beckman Coulter DxH 800	11	22.98	0.51	2.24	2
	Horiba Yumizen H550	10	25.79	1.25	4.84	--

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Haematology - CBC, MCV (Mean Corpuscular Volume), fL

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	135	123.39	9.20	7.46	1
Calculated - (Your Method)	61	124.85	9.90	7.93	--
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	125.03	11.82	9.45	--

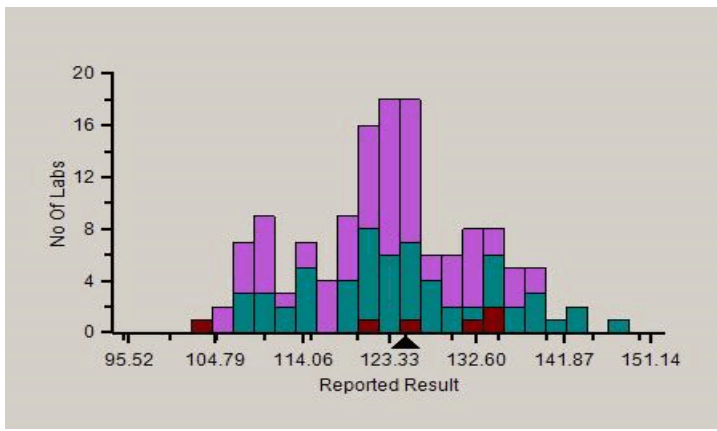
Evaluation Based On - Equipment wise Peer Grouping

Your Result	125.00	SDI / z-Score	-0.20
Assigned Value	127.07	Average SDI	-0.37
SDPA	10.290	Uncertainty of AV	2.88
Standard Unit Result Val	125.00	%DEV	-0.03

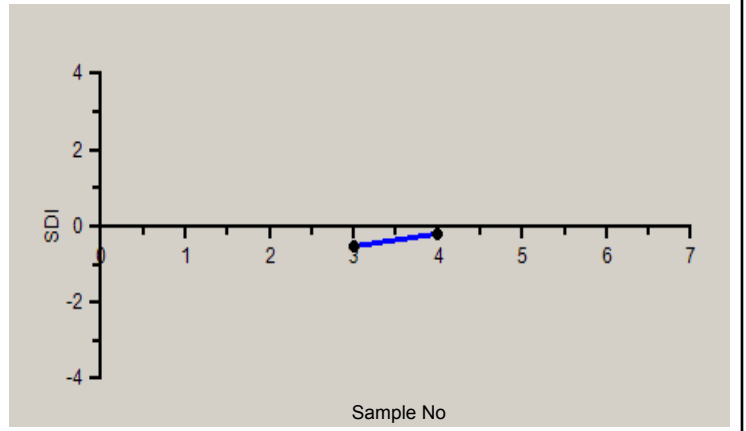
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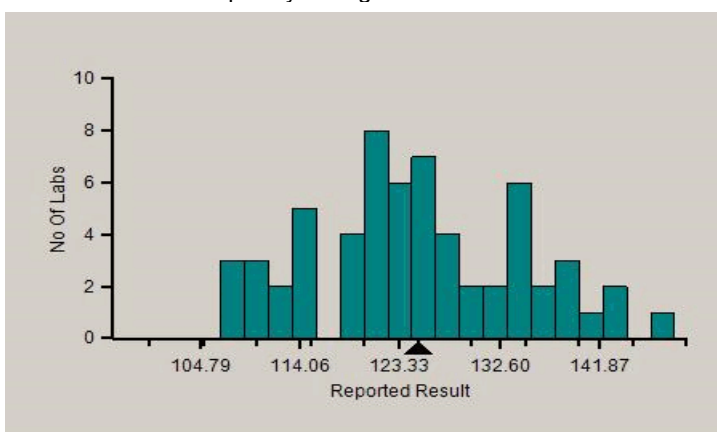
Frequency Histogram



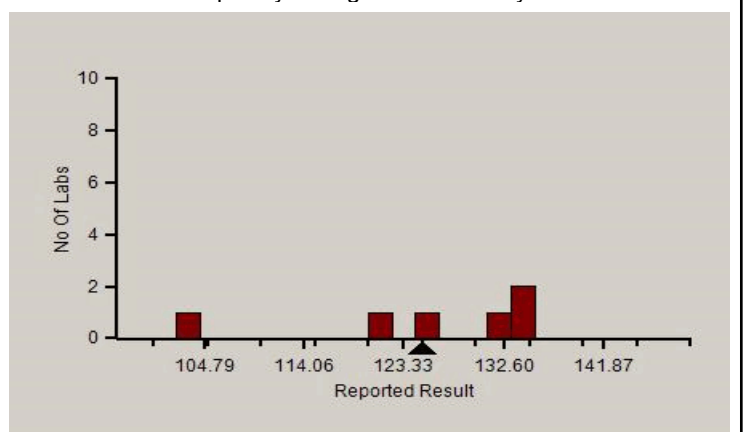
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

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Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, MCV (Mean Corpuscular Volume)

		N	Mean	SD	CV%	Excluded
	All Analyzer	135	123.39	9.20	7.46	1
Your Analyzer :	Nihon Kohden Celltac Alpha	6	125.03	11.82	9.45	--
	Beckman Coulter DxH 500	37	124.75	3.27	2.62	--
	Beckman Coulter DxH 500	37	124.75	3.27	2.62	--
	Beckman Coulter DxH 520	18	122.87	3.08	2.51	--
	Horiba Yumizen H500	17	111.17	3.41	3.07	1
	Horiba Yumizen H500	17	111.17	3.41	3.07	1
	Beckman Coulter DxH 800	11	130.08	11.71	9.00	--
	Horiba Yumizen H550	11	111.96	4.31	3.85	--

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Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	136	242.38	20.68	8.53	15
Impedance - (Your Method)	128	243.63	20.13	8.26	14
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	241.98	11.36	4.70	1

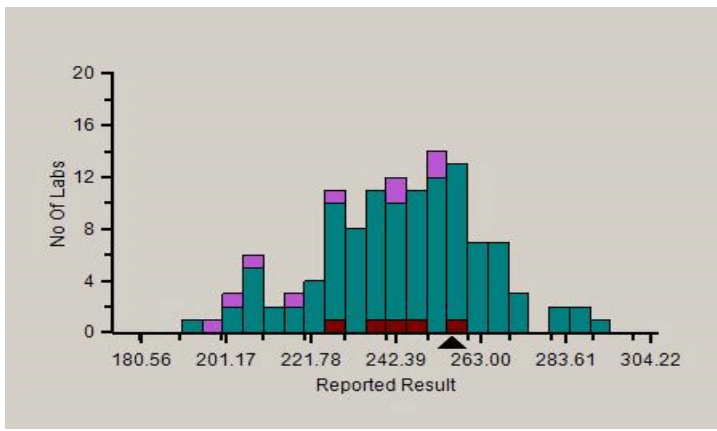
Evaluation Based On - Equipment wise Peer Grouping

Your Result	256.00	SDI / z-Score	0.72
Assigned Value	237.92	Average SDI	0.52
SDPA	25.121	Uncertainty of AV	8.11
Standard Unit Result Val	256.00	%DEV	5.79

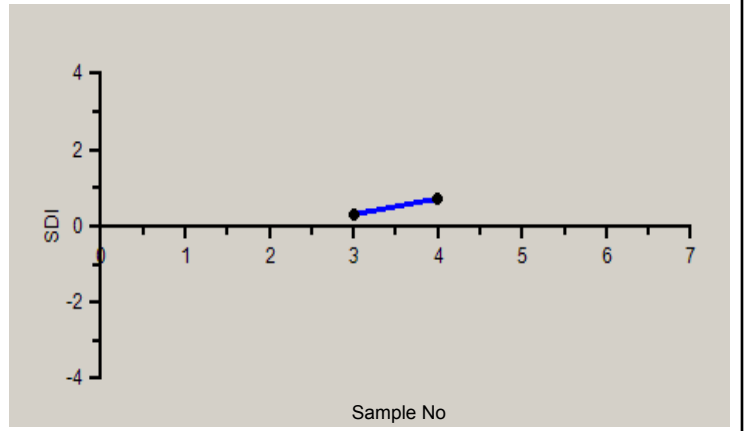
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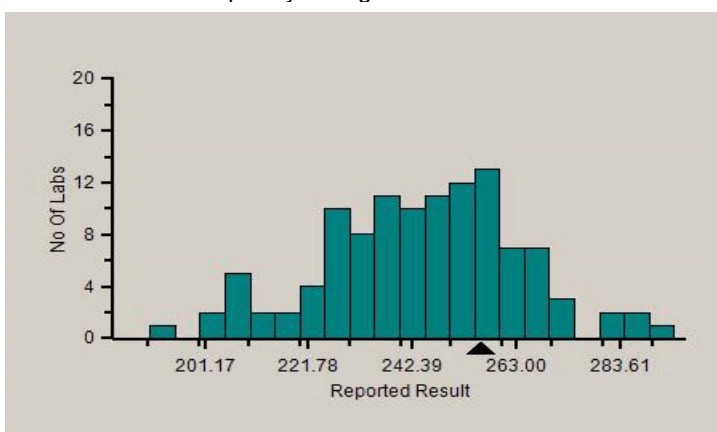
Frequency Histogram



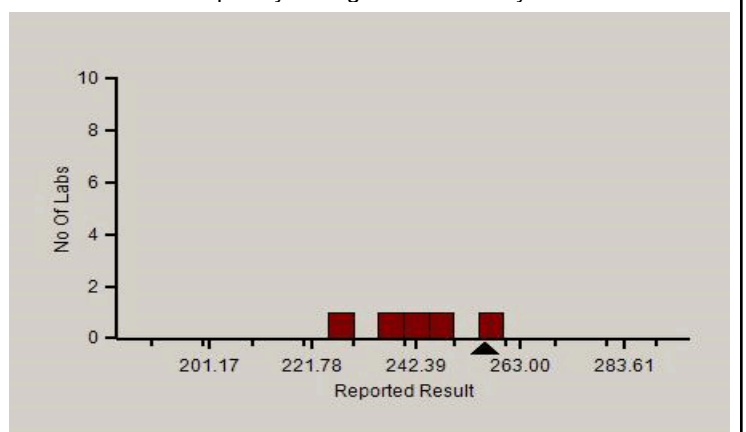
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

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Absolute Z-Score Average - Across Rounds



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Comments :

Haematology - CBC, Platelet Count

		N	Mean	SD	CV%	Excluded
	All Analyzer	136	242.38	20.68	8.53	15
Your Analyzer :	Nihon Kohden Celltac Alpha	6	241.98	11.36	4.70	1
	Beckman Coulter DxH 500	38	250.49	13.09	5.23	4
	Beckman Coulter DxH 500	38	250.49	13.09	5.23	4
	Beckman Coulter DxH 520	18	257.15	20.38	7.93	2
	Horiba Yumizen H500	18	242.13	9.94	4.10	3
	Horiba Yumizen H500	18	242.13	9.94	4.10	3
	Beckman Coulter DxH 800	11	227.18	7.81	3.44	--
	Horiba Yumizen H550	10	255.33	14.09	5.52	1

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



Analyte Methodwise Result Report

Lab : 596

Cycle No : 220412

Lab Name : HEALTH HORIZON DIAGNOSTICS

Sample No : 4

Report Date : 25/01/2023

Sample Date : 27-12-2022

Haematology - CBC, RDW CV%, %

Comparative Statistics

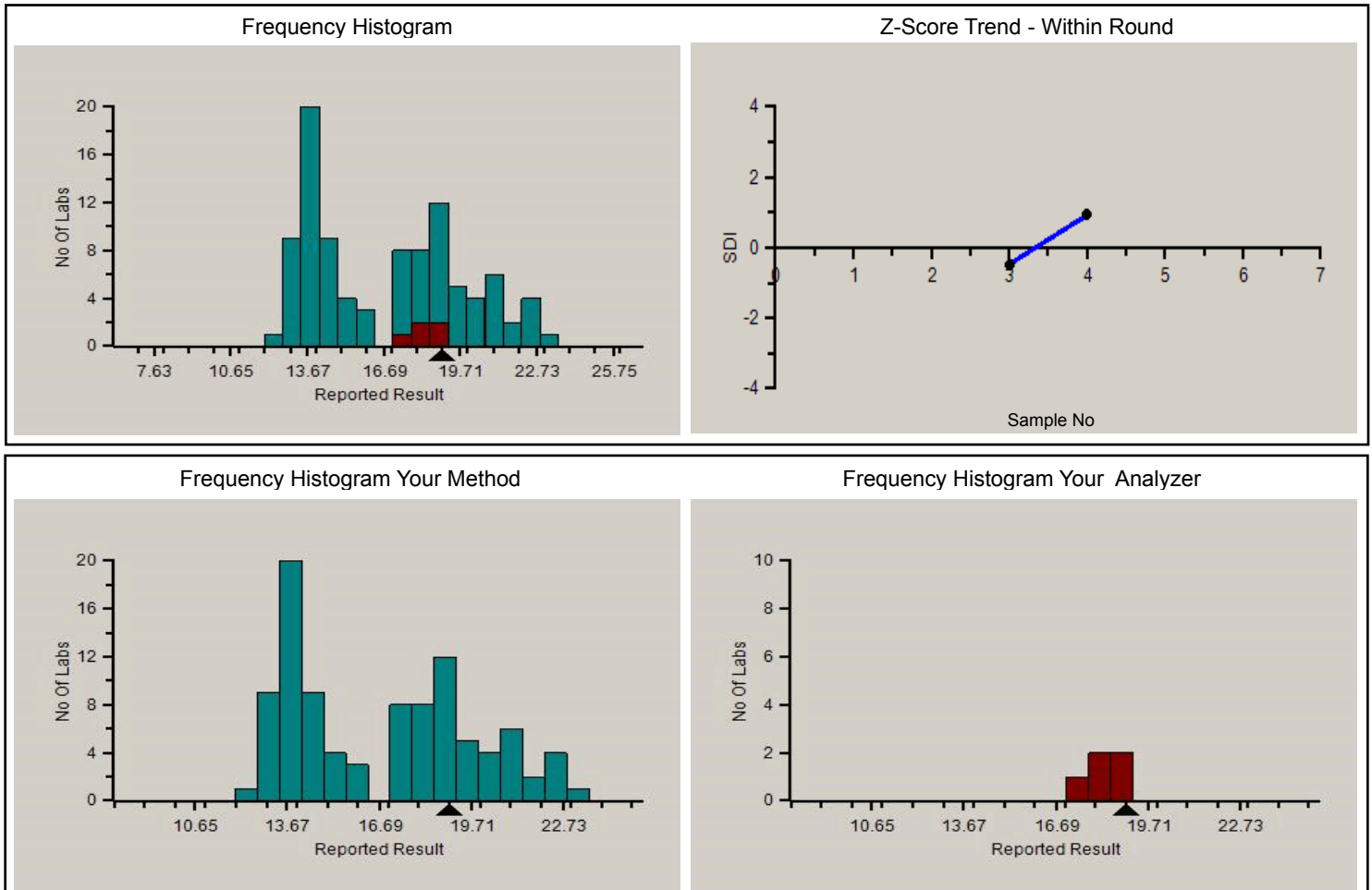
	N	Mean	SD	CV%	Excluded
All Methods	110	16.69	3.00	18.00	10
Calculated - (Your Method)	112	16.69	3.02	18.11	10
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	18.34	0.52	2.82	1

Evaluation Based On - Equipment wise Peer Grouping

Your Result	19.00	SDI / z-Score	0.93
Assigned Value	17.50	Average SDI	0.23
SDPA	1.621	Uncertainty of AV	0.56
Standard Unit Result Val	19.00	%DEV	3.60

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



Analyte Methodwise Result Report

Lab : 596

Cycle No : 220412

Lab Name : HEALTH HORIZON DIAGNOSTICS

Sample No : 4

Report Date : 25/01/2023

Sample Date : 27-12-2022

Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, RDW CV%		N	Mean	SD	CV%	Excluded
	All Analyzer	110	16.69	3.00	18.00	10
Your Analyzer :	Nihon Kohden Celltac Alpha	6	18.34	0.52	2.82	1
	Beckman Coulter DxH 500	25	13.87	0.61	4.39	1
	Beckman Coulter DxH 500	25	13.87	0.61	4.39	1
	Beckman Coulter DxH 520	18	13.80	0.53	3.85	--
	Horiba Yumizen H500	17	18.21	1.65	9.06	--
	Horiba Yumizen H500	17	18.21	1.65	9.06	--
	Beckman Coulter DxH 800	9	20.23	0.24	1.17	5
	Horiba Yumizen H550	9	19.92	1.65	8.26	--

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

Analyte Methodwise Result Report

Lab : 596

Cycle No : 220412

Lab Name : HEALTH HORIZON DIAGNOSTICS

Sample No : 4

Report Date : 25/01/2023

Sample Date : 27-12-2022

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

Comparative Statistics

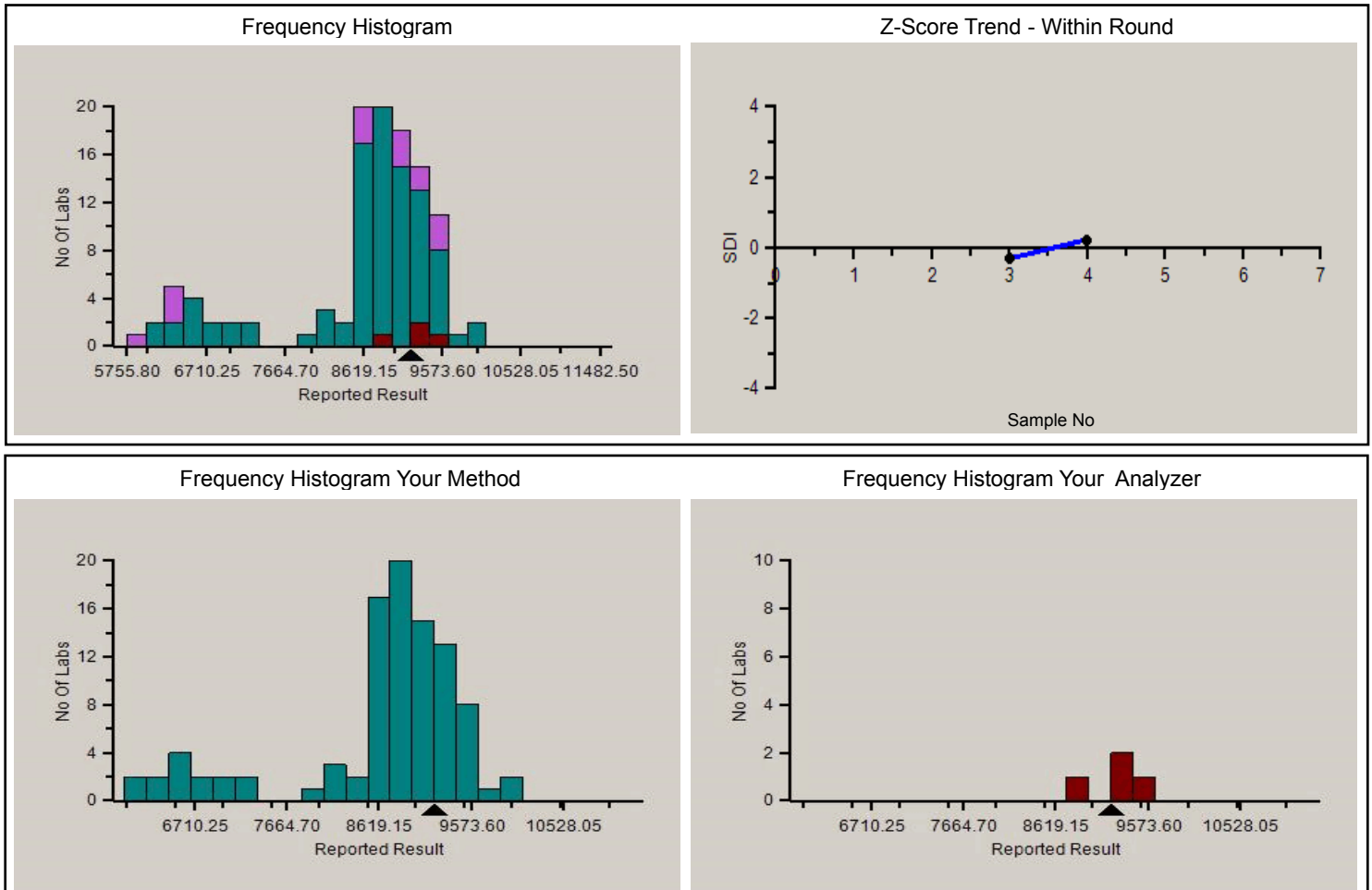
	N	Mean	SD	CV%	Excluded
All Methods	135	8,636.00	936.63	10.85	20
Impedance - (Your Method)	119	8,655.05	880.56	10.17	18
Nihon Kohden Celltac Alpha - (Your Analyzer)	6	9,200.00	244.95	2.66	2

Evaluation Based On - Equipment wise Peer Grouping

Your Result	9,200.00	SDI / z-Score	0.23
Assigned Value	9,102.50	Average SDI	-0.04
SDPA	426.091	Uncertainty of AV	125.54
Standard Unit Result Val	9200.00	%DEV	0.00

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



Analyte Methodwise Result Report

Lab : 596

Cycle No : 220412

Lab Name : HEALTH HORIZON DIAGNOSTICS

Sample No : 4

Report Date : 25/01/2023

Sample Date : 27-12-2022

Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, Total Leucocytes (WBC) count

	N	Mean	SD	CV%	Excluded
All Analyzer	135	8,636.00	936.63	10.85	20
Your Analyzer : Nihon Kohden Celltac Alpha	6	9,200.00	244.95	2.66	2
Beckman Coulter DxH 500	37	8,869.41	366.64	4.13	3
Beckman Coulter DxH 500	37	8,869.41	366.64	4.13	3
Beckman Coulter DxH 520	18	8,918.00	283.18	3.18	3
Horiba Yumizen H500	17	6,769.17	760.46	11.23	5
Horiba Yumizen H500	17	6,769.17	760.46	11.23	5
Beckman Coulter DxH 800	11	9,172.73	397.72	4.34	--
Horiba Yumizen H550	10	7,060.00	1,041.99	14.76	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

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