

Analyte Methodwise Result Report

Lab : 454

Cycle No : 220309

Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
CHITTORGARH

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

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

Comparative Statistics	N	Mean	SD	CV%	Excluded
All Methods	134	1.27	0.07	5.21	--
Impedance - (Your Method)	125	1.27	0.07	5.37	--
ERBA H 560 - (Your Analyzer)	5	1.31	0.04	2.68	--

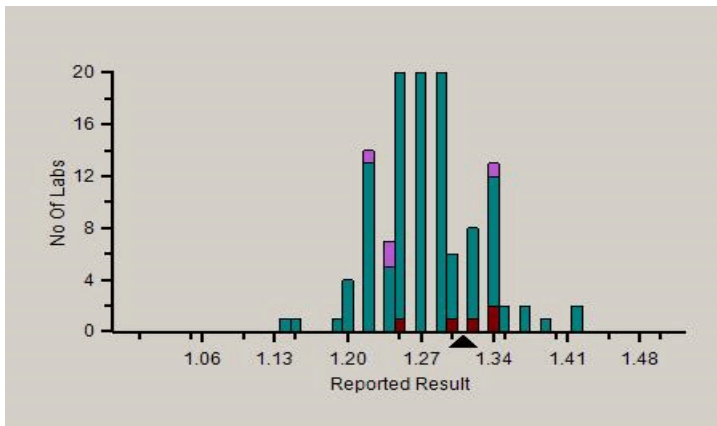
Evaluation Based On - Equipment wise Peer Grouping

Your Result	1.31	SDI / z-Score	0.06
Assigned Value	1.31	Average SDI	0.18
SDPA	0.049	Uncertainty of AV	0.01
Standard Unit Result Val	1.31	%DEV	0.31

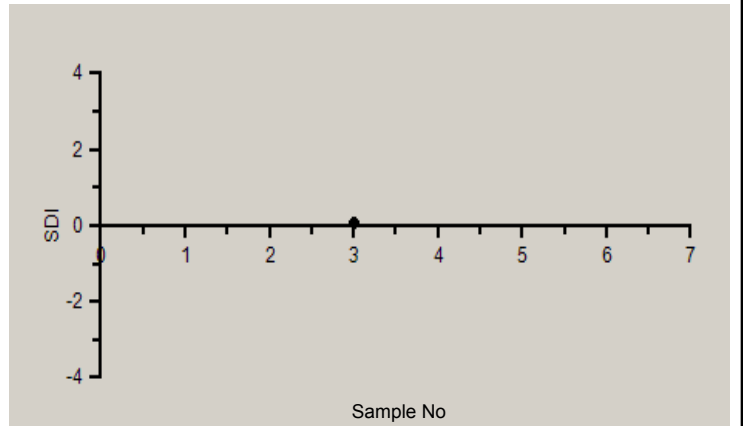
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

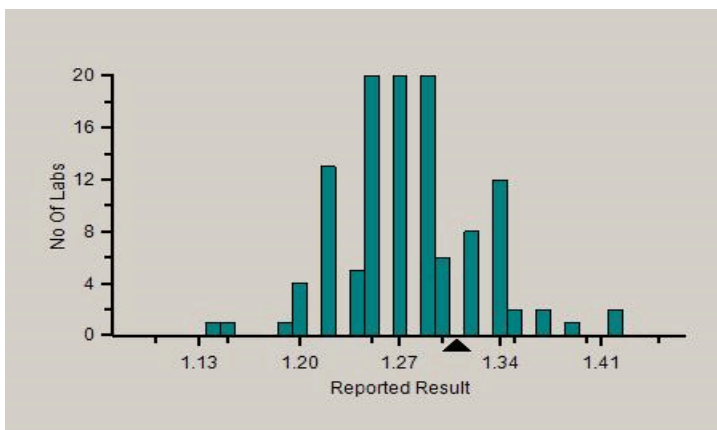
Frequency Histogram



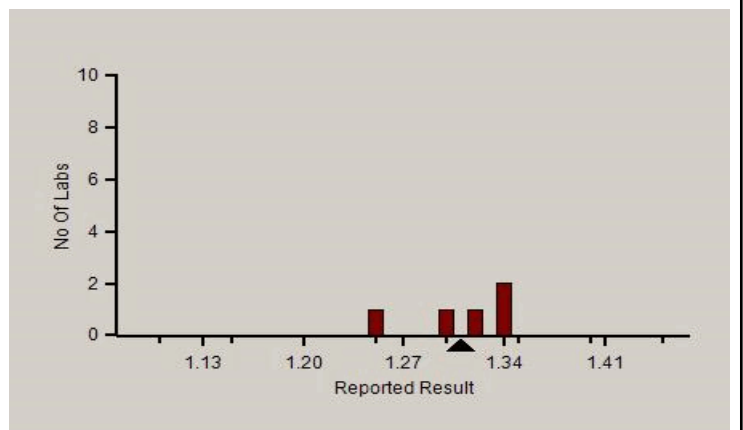
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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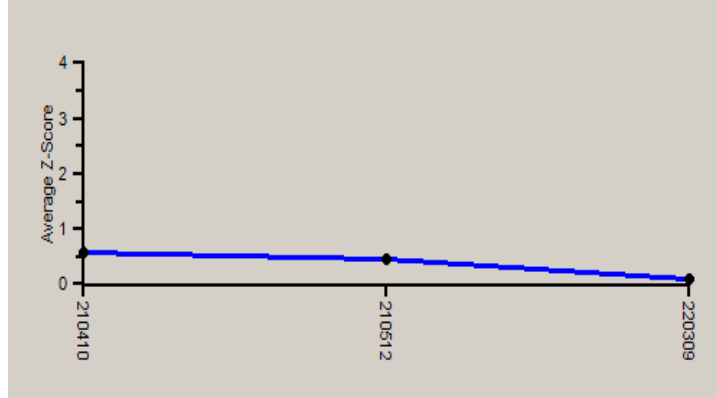
Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
CHITTORGARH

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

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	134	1.27	0.07	5.21	--
Your Analyzer :	ERBA H 560	5	1.31	0.04	2.68	--
	Beckman Coulter DxH 500	25	1.25	0.04	3.04	--
	Sysmex XP-100	15	1.29	0.04	3.11	--
	Nihon Kohden Celltac Alpha	15	1.33	0.04	2.94	--
	Beckman Coulter DxH 520	14	1.27	0.02	1.89	--
	Horiba Yumizen H500	14	1.23	0.04	2.93	--
	Beckman Coulter DxH 520	13	1.27	0.02	1.90	--
	Beckman Coulter DxH 800	10	1.25	0.03	2.00	--

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.

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

- Reported on 2 samples:
 - Two out of two pass - Acceptable performance
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Haematology - CBC, Haemoglobin, g/dL

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	134	3.15	0.28	8.72	--
Impedance - (Your Method)	53	3.17	0.30	9.32	--
ERBA H 560 - (Your Analyzer)	5	3.44	0.13	3.90	--

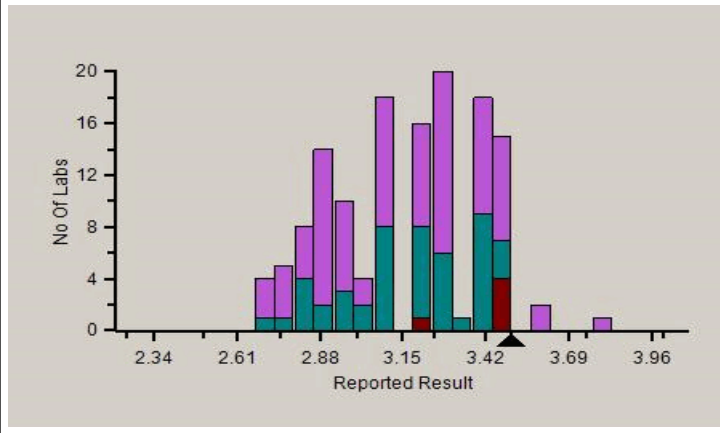
Evaluation Based On - Equipment wise Peer Grouping

Your Result	3.50	SDI / z-Score	1.09
Assigned Value	3.29	Average SDI	0.74
SDPA	0.195	Uncertainty of AV	0.05
Standard Unit Result Val	3.50	%DEV	1.74

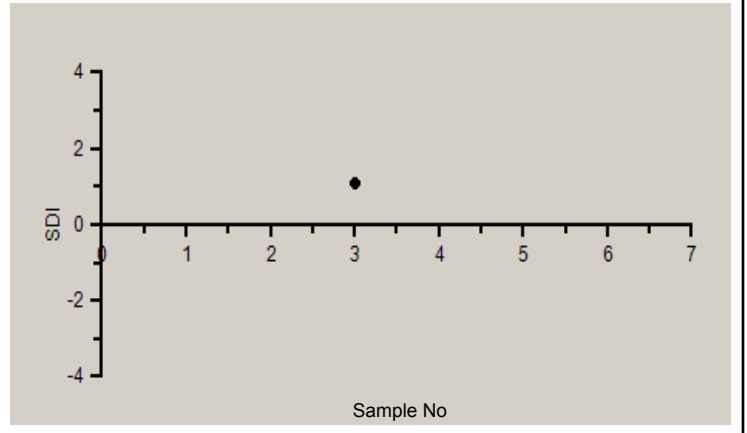
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X : SDI more than 4

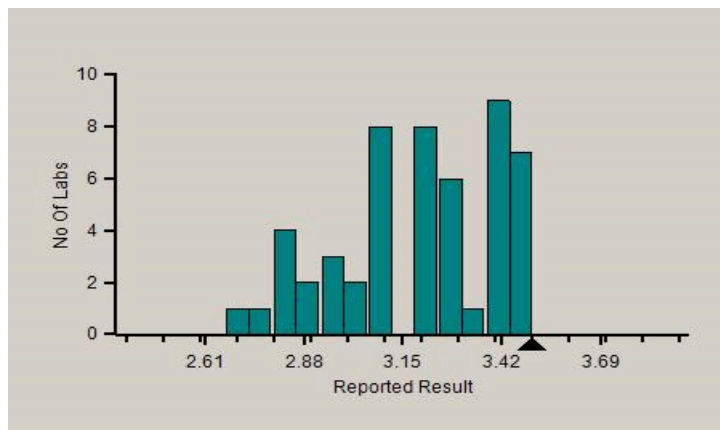
Frequency Histogram



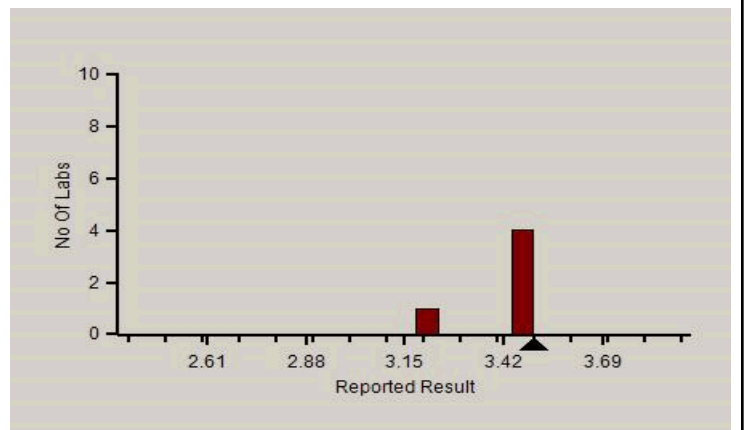
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 454

Cycle No : 220309

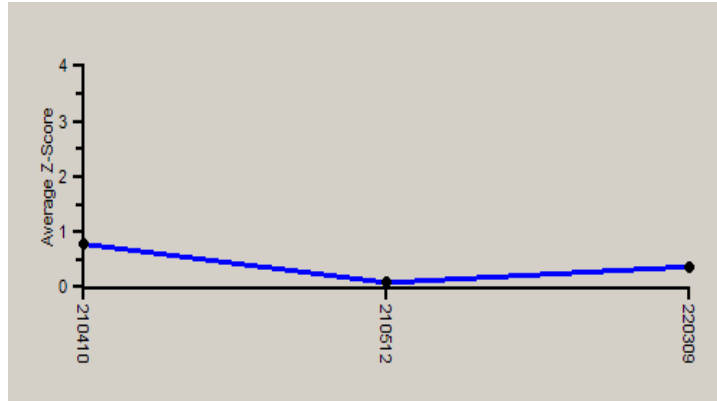
Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
CHITTORGARH

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

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	134	3.15	0.28	8.72	--
Your Analyzer :	ERBA H 560	5	3.44	0.13	3.90	--
	Beckman Coulter DxH 500	25	2.85	0.10	3.50	--
	Sysmex XP-100	15	3.34	0.11	3.35	--
	Beckman Coulter DxH 520	15	2.90	0.11	3.86	--
	Nihon Kohden Celltac Alpha	15	3.23	0.13	3.99	--
	Beckman Coulter DxH 520	14	2.90	0.12	4.01	--
	Horiba Yumizen H500	14	3.11	0.11	3.44	--
	Beckman Coulter DxH 520	13	2.89	0.12	4.12	--

Remarks: Interpretation of your reports

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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CHITTORGARH

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

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

Comparative Statistics

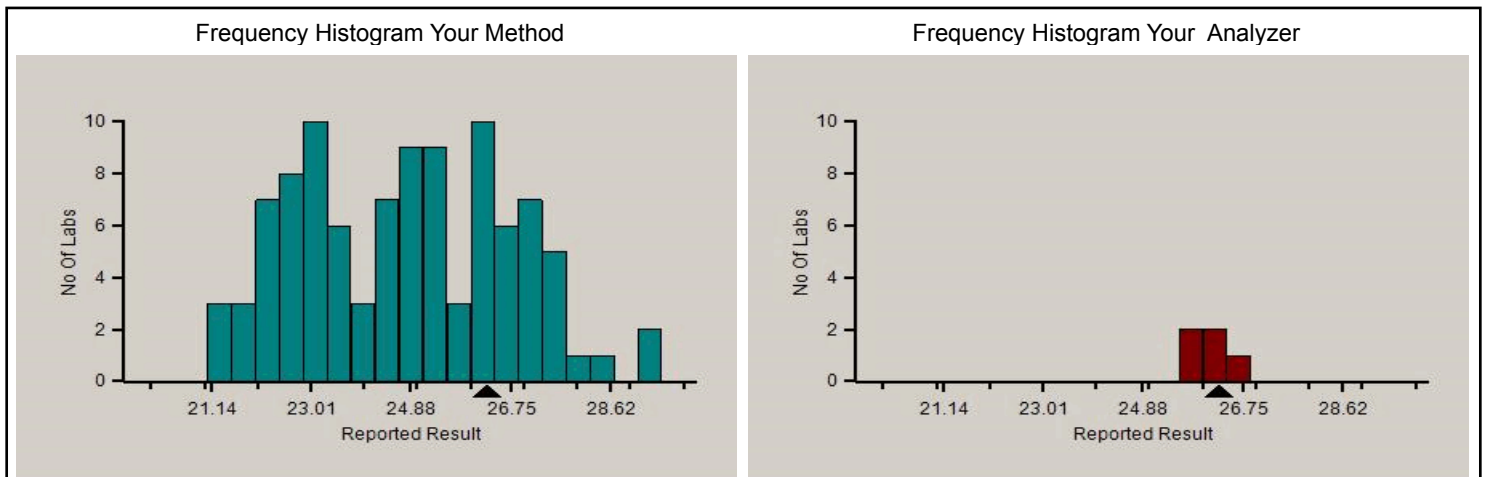
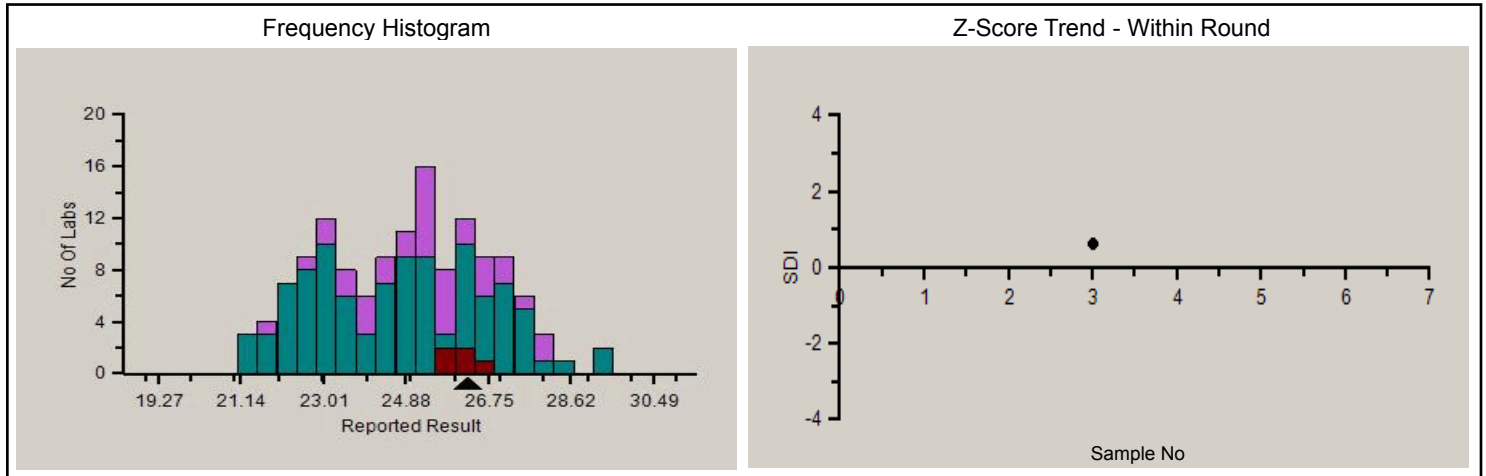
	N	Mean	SD	CV%	Excluded
All Methods	134	24.91	1.87	7.52	2
Calculated - (Your Method)	98	24.77	1.97	7.96	1
ERBA H 560 - (Your Analyzer)	5	26.12	0.46	1.74	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	26.30	SDI / z-Score	0.61
Assigned Value	25.27	Average SDI	0.42
SDPA	1.676	Uncertainty of AV	0.39
Standard Unit Result Val	26.30	%DEV	0.69

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



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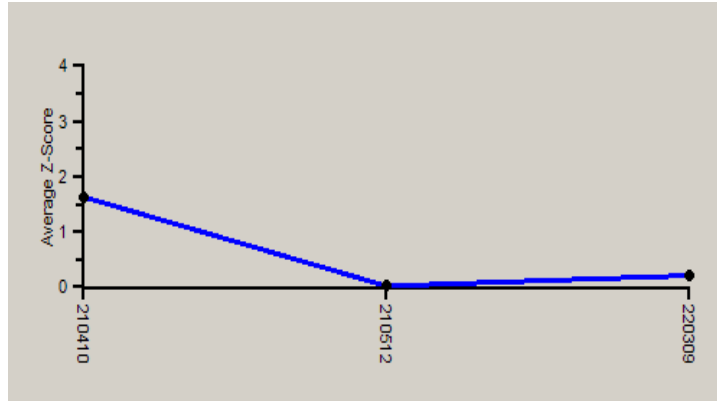
Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
CHITTORGARH

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

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	134	24.91	1.87	7.52	2
Your Analyzer :	ERBA H 560	5	26.12	0.46	1.74	--
	Beckman Coulter DxH 500	25	22.82	1.03	4.52	--
	Sysmex XP-100	15	26.04	0.83	3.20	--
	Beckman Coulter DxH 520	15	22.85	0.97	4.24	--
	Nihon Kohden Celltac Alpha	15	24.48	1.24	5.08	--
	Horiba Yumizen H500	15	25.13	0.49	1.95	1
	Beckman Coulter DxH 520	14	22.84	1.00	4.40	--
	Beckman Coulter DxH 520	13	22.84	1.05	4.58	--

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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Sample No : 3

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	134	23.35	2.11	9.02	1
Calculated - (Your Method)	98	22.97	1.95	8.48	1
ERBA H 560 - (Your Analyzer)	5	23.14	0.67	2.88	--

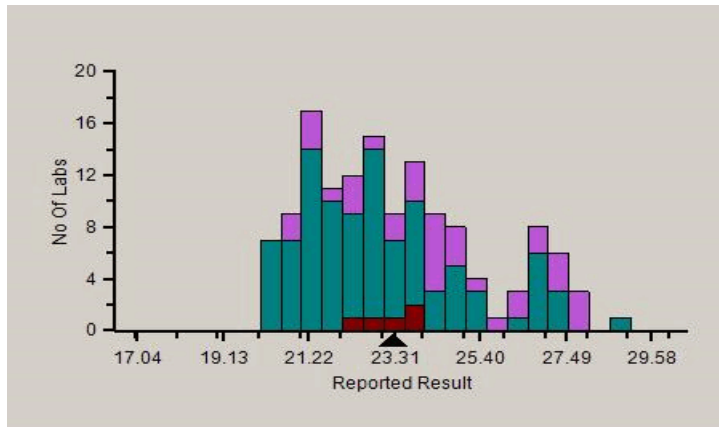
Evaluation Based On - Equipment wise Peer Grouping

Your Result	23.30	SDI / z-Score	0.21
Assigned Value	22.95	Average SDI	-0.13
SDPA	1.693	Uncertainty of AV	0.39
Standard Unit Result Val	23.30	%DEV	0.69

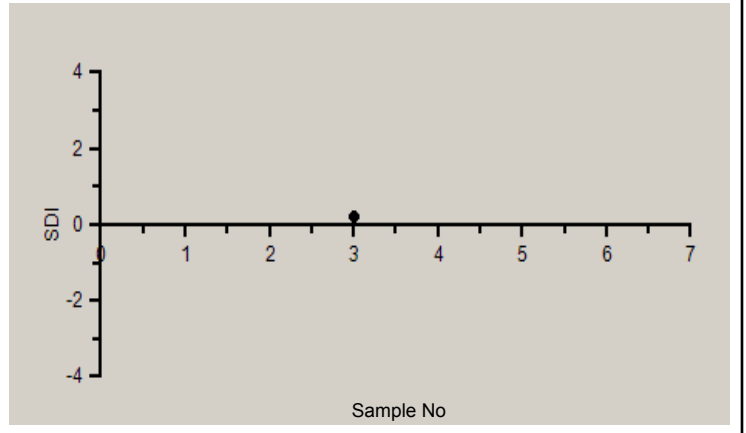
Note : # - Not evaluated / Bimodal distribution

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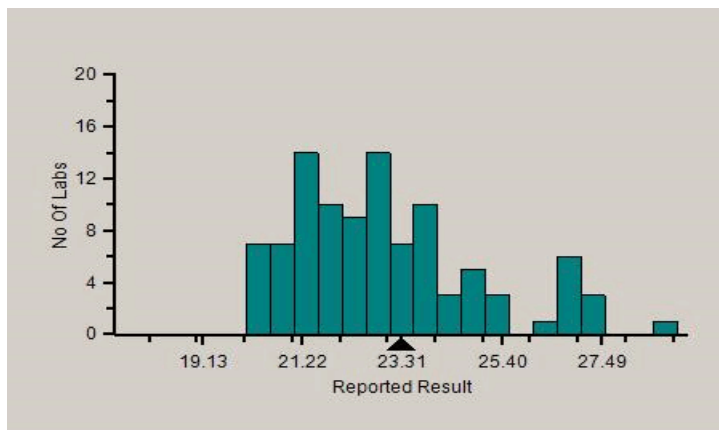
Frequency Histogram



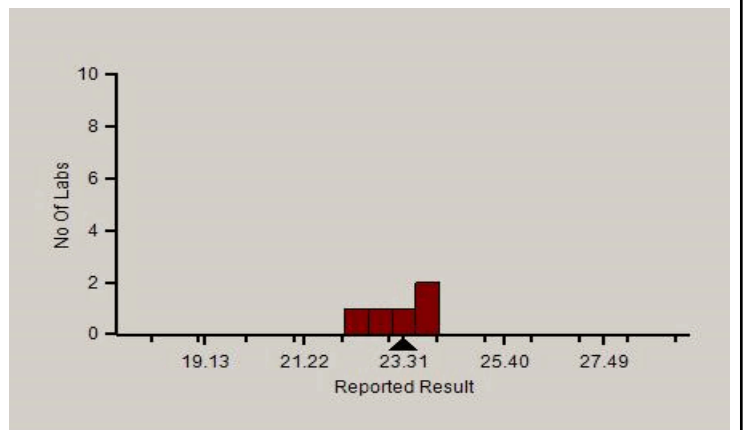
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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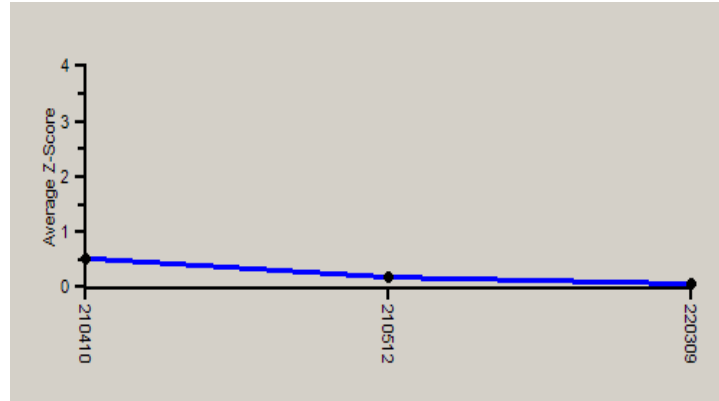
Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
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Sample Date : 30-09-2022

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	134	23.35	2.11	9.02	1
Your Analyzer :	ERBA H 560	5	23.14	0.67	2.88	--
	Beckman Coulter DxH 500	25	21.45	0.94	4.38	--
	Sysmex XP-100	15	23.65	0.74	3.11	--
	Beckman Coulter DxH 520	15	21.69	0.83	3.85	--
	Nihon Kohden Celltac Alpha	15	22.60	1.73	7.66	--
	Horiba Yumizen H500	15	26.45	1.35	5.10	--
	Beckman Coulter DxH 520	14	21.71	0.86	3.97	--
	Beckman Coulter DxH 520	13	21.74	0.89	4.10	--

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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Sample No : 3

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	134	107.05	7.76	7.25	2
Calculated - (Your Method)	61	108.68	8.29	7.63	--
ERBA H 560 - (Your Analyzer)	5	111.92	2.64	2.36	--

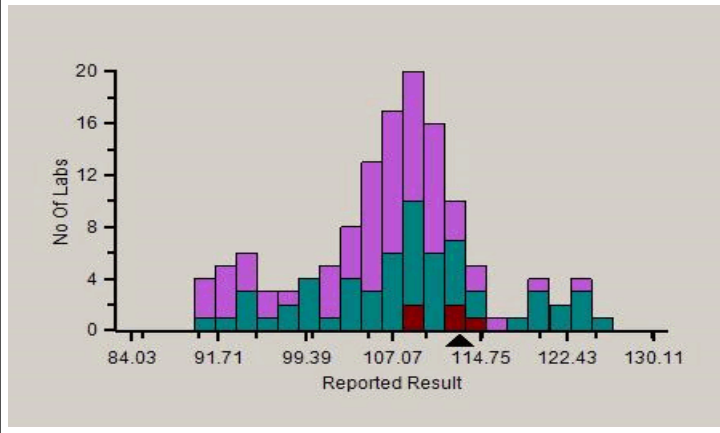
Evaluation Based On - Equipment wise Peer Grouping

Your Result	113.00	SDI / z-Score	0.60
Assigned Value	109.72	Average SDI	0.61
SDPA	5.463	Uncertainty of AV	1.29
Standard Unit Result Val	113.00	%DEV	0.96

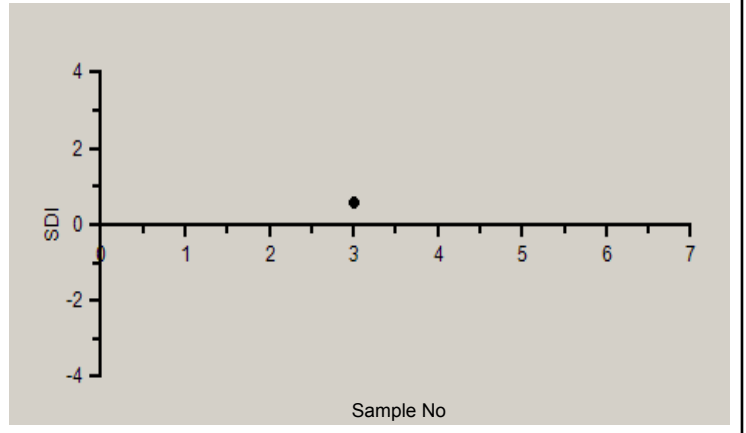
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X : SDI more than 4

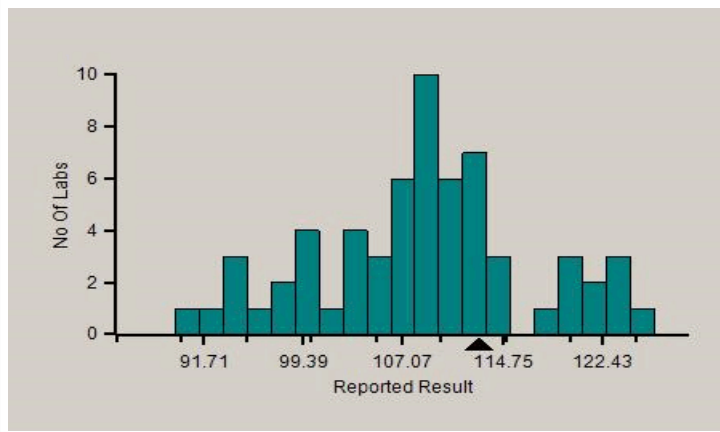
Frequency Histogram



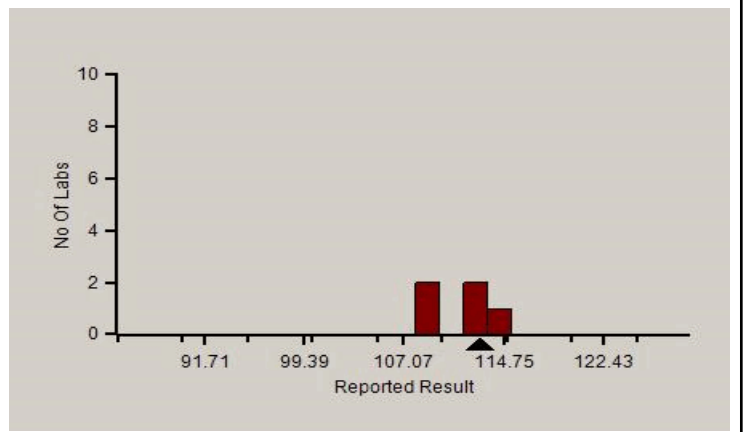
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

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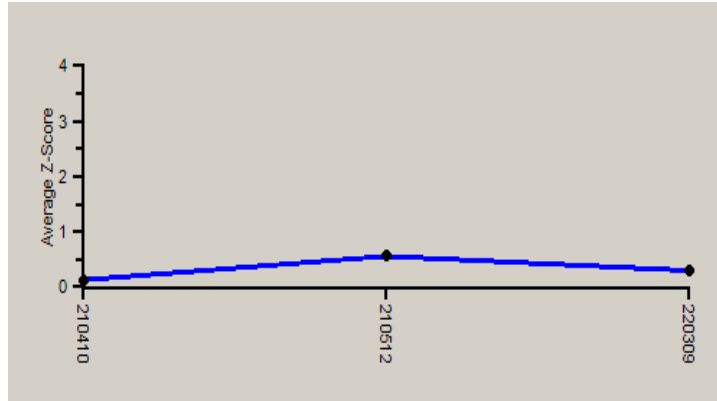
Lab Name : MEDICENTRE SONOGRAPHY AND CLINICAL LAB,
CHITTORGARH

Sample No : 3

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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	134	107.05	7.76	7.25	2
Your Analyzer :	ERBA H 560	5	111.92	2.64	2.36	--
	Beckman Coulter DxH 500	25	106.48	2.32	2.17	--
	Sysmex XP-100	15	109.89	1.60	1.45	1
	Beckman Coulter DxH 520	15	105.33	2.10	1.99	--
	Nihon Kohden Celltac Alpha	15	108.45	4.88	4.50	--
	Beckman Coulter DxH 520	14	105.23	2.14	2.03	--
	Horiba Yumizen H500	14	95.15	4.18	4.39	1
	Beckman Coulter DxH 520	13	105.11	2.17	2.07	--

Remarks: Interpretation of your reports

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Sample No : 3

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Sample Date : 30-09-2022

Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

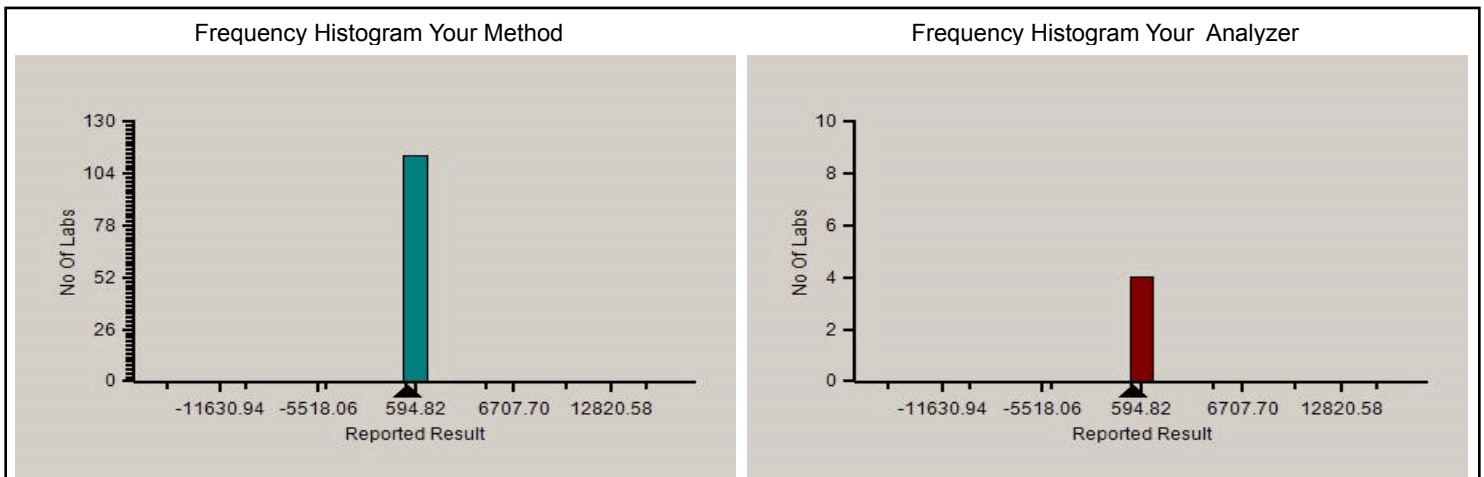
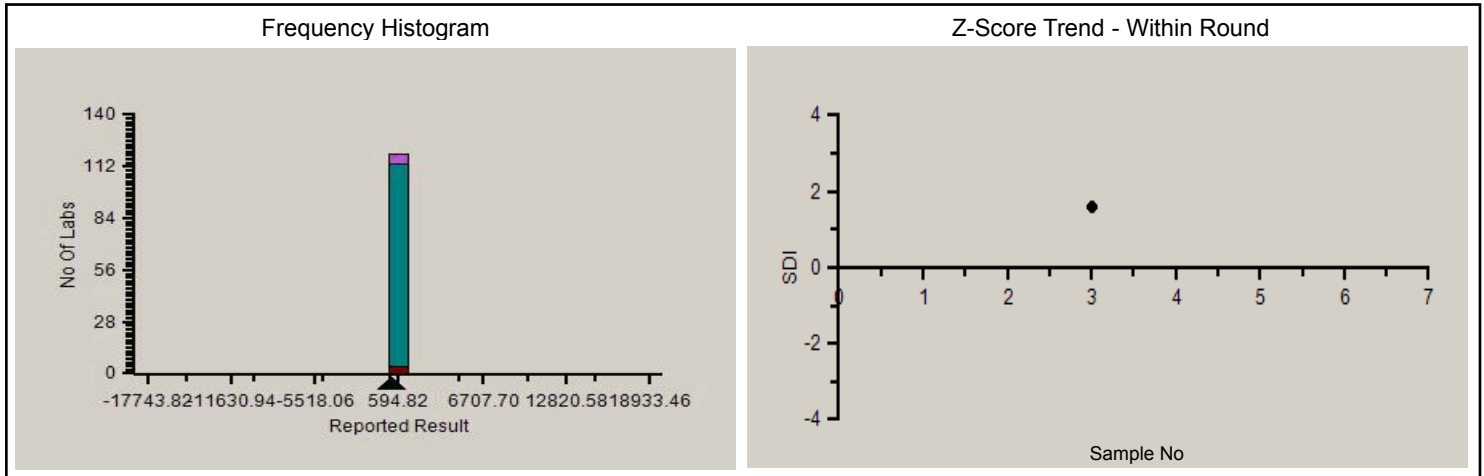
	N	Mean	SD	CV%	Excluded
All Methods	134	608.99	574.86	94.40	18
Impedance - (Your Method)	127	36.81	6.51	17.67	17
ERBA H 560 - (Your Analyzer)	5	45.00	2.58	5.74	1

Evaluation Based On - Equipment wise Peer Grouping

Your Result	46.00	SDI / z-Score	1.58
Assigned Value	38.74	Average SDI	1.64
SDPA	4.581	Uncertainty of AV	1.08
Standard Unit Result Val	46.00	%DEV	2.22

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Absolute Z-Score Average - Across Rounds



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

Comments :

Haematology - CBC, Platelet Count

		N	Mean	SD	CV%	Excluded
	All Analyzer	134	36.65	6.40	17.47	18
Your Analyzer :	ERBA H 560	5	45.00	2.58	5.74	1
	Beckman Coulter DxH 500	25	36.72	6.12	16.68	4
	Sysmex XP-100	15	33.14	4.52	13.64	1
	Beckman Coulter DxH 520	15	36.12	6.86	19.00	4
	Nihon Kohden Celltac Alpha	15	38.51	3.26	8.45	--
	Horiba Yumizen H500	15	43.00	8.52	19.80	2
	Beckman Coulter DxH 520	14	35.59	6.99	19.65	4
	Beckman Coulter DxH 520	13	34.94	7.09	20.30	4

Remarks: Interpretation of your reports

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CHITTORGARH

Sample No : 3

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Sample Date : 30-09-2022

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

Comparative Statistics

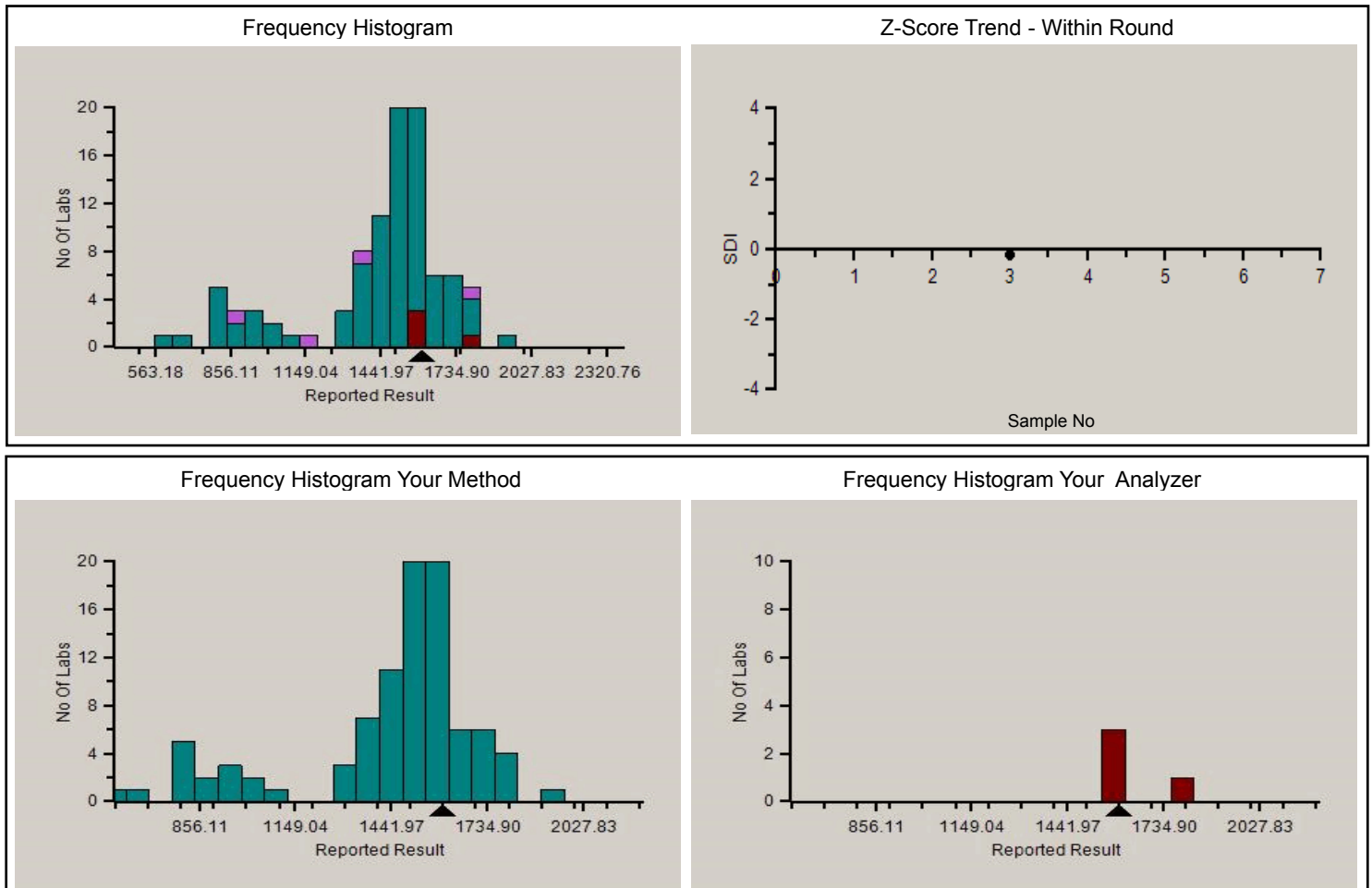
	N	Mean	SD	CV%	Excluded
All Methods	133	1,441.97	292.93	20.32	16
Impedance - (Your Method)	118	1,436.83	300.83	20.94	14
ERBA H 560 - (Your Analyzer)	5	1,642.50	85.00	5.18	1

Evaluation Based On - Equipment wise Peer Grouping

Your Result	1,600.00	SDI / z-Score	-0.16
Assigned Value	1,613.18	Average SDI	-0.71
SDPA	84.118	Uncertainty of AV	20.62
Standard Unit Result Val	1600.00	%DEV	-2.59

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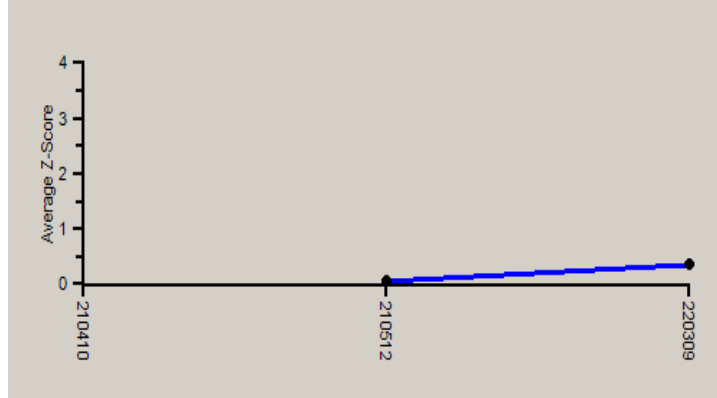
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Note : SDI with * marked are not considered for evaluation.

Comments :

Haematology - CBC, Total Leucocytes (WBC) count

		N	Mean	SD	CV%	Excluded
	All Analyzer	133	1,441.97	292.93	20.32	16
Your Analyzer :	ERBA H 560	5	1,642.50	85.00	5.18	1
	Beckman Coulter DxH 500	25	1,498.26	118.81	7.93	2
	Sysmex XP-100	15	1,566.67	192.28	12.27	3
	Beckman Coulter DxH 520	15	1,500.83	69.08	4.60	1
	Nihon Kohden Celltac Alpha	15	1,612.86	82.13	5.09	1
	Beckman Coulter DxH 520	14	1,500.83	69.08	4.60	1
	Horiba Yumizen H500	14	862.50	133.63	15.49	2
	Beckman Coulter DxH 520	13	1,500.83	69.08	4.60	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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