

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	220	5.61	0.23	4.12	3
Impedance - (Your Method)	211	5.61	0.24	4.19	3
ERBA H 360 - (Your Analyzer)	2	5.87	--	--	--

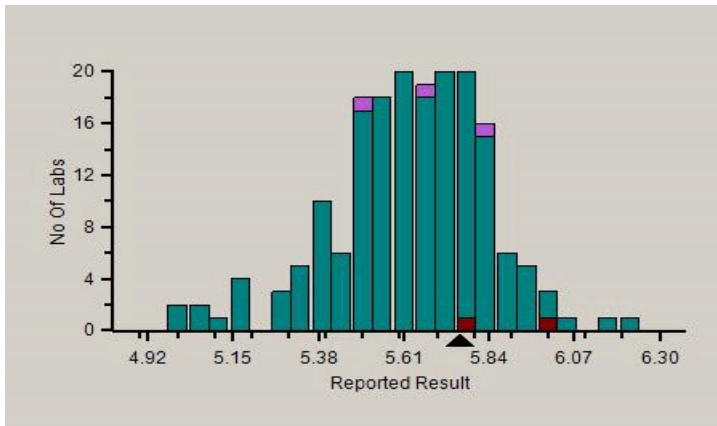
Evaluation Based On - Equipment wise Peer Grouping

Your Result	5.76	SDI / z-Score	0.61
Assigned Value	5.62	Average SDI	0.20
SDPA	0.228	Uncertainty of AV	0.11
Standard Unit Result Val	5.76	%DEV	2.69

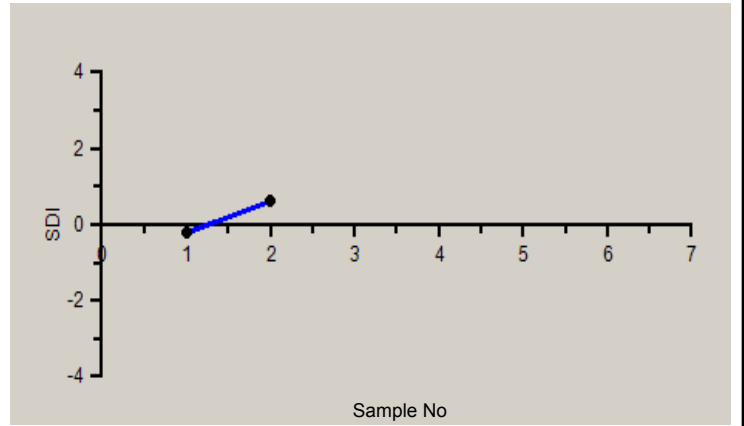
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

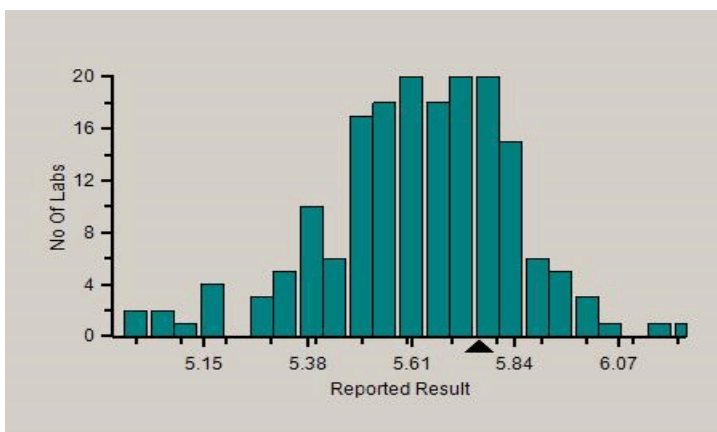
Frequency Histogram



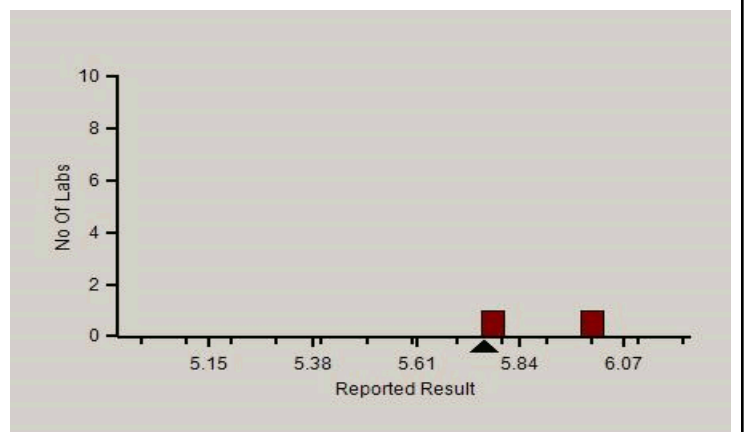
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

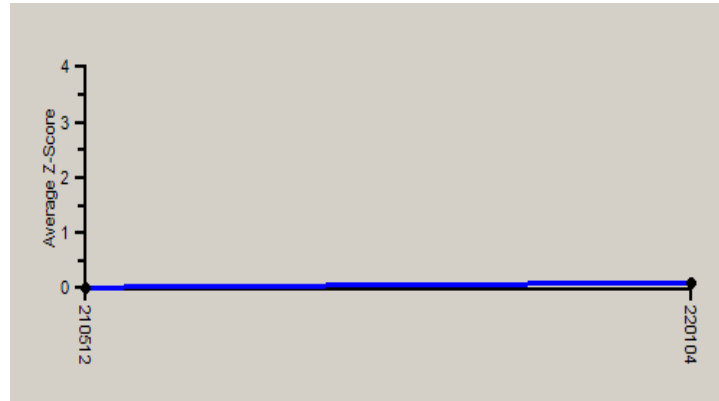
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

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	220	5.61	0.23	4.12	3
Your Analyzer :	ERBA H 360	2	5.87	--	--	--
	Beckman Coulter DxH 500	42	5.56	0.25	4.46	--
	Avantor H 33-S	31	5.66	0.24	4.31	--
	Sysmex XP-100	25	5.62	0.17	2.97	--
	Horiba ABX Pentra XL 80	22	5.72	0.18	3.10	2
	Beckman Coulter DxH 800	19	5.65	0.09	1.67	--
	Beckman Coulter DxH 520	15	5.57	0.23	4.20	--
	Aspen AD-3200 Plus	8	5.66	0.38	6.70	--

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- 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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PC-1022

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Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

Haematology - CBC, Haemoglobin, g/dL

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	220	15.00	0.56	3.70	2
Non Cyanide method - (Your Method)	26	15.21	0.44	2.92	--
ERBA H 360 - (Your Analyzer)	2	15.25	--	--	--

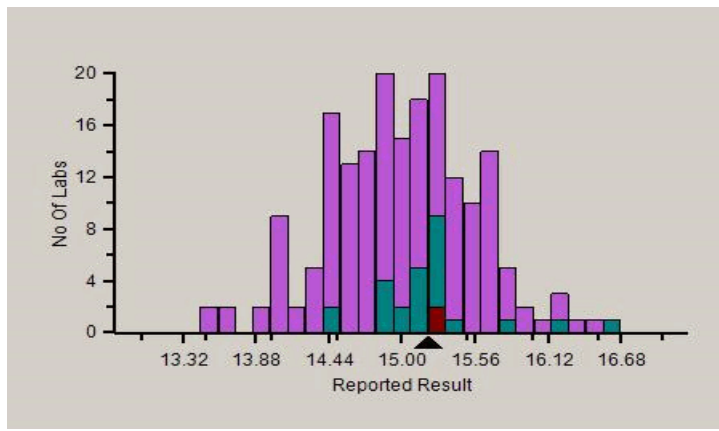
Evaluation Based On - Equipment wise Peer Grouping

Your Result	15.20	SDI / z-Score	1.27
Assigned Value	14.60	Average SDI	0.74
SDPA	0.472	Uncertainty of AV	0.22
Standard Unit Result Val	15.20	%DEV	-0.06

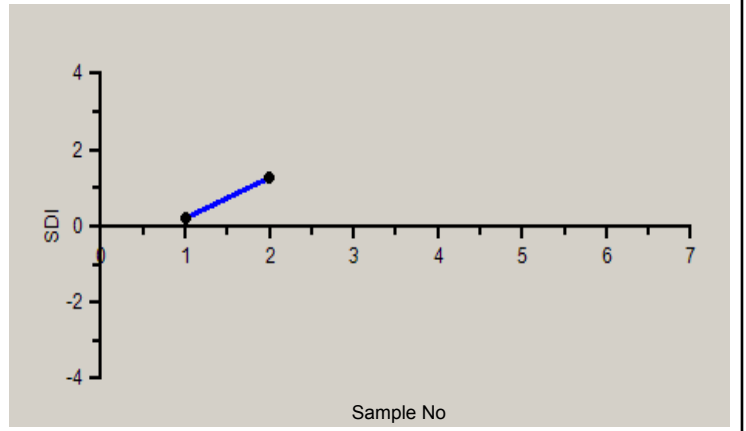
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X : SDI more than 4

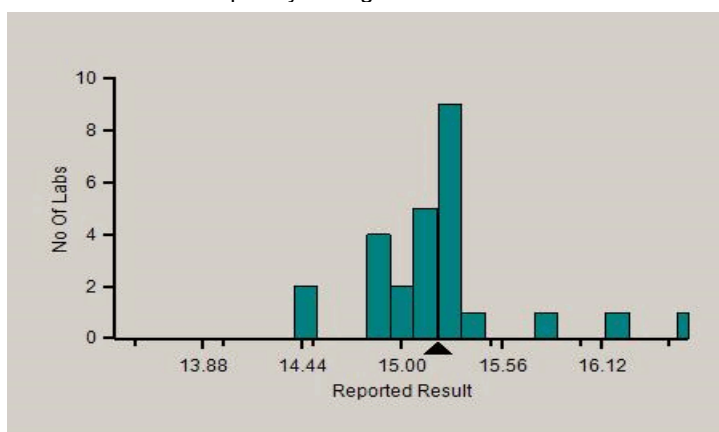
Frequency Histogram



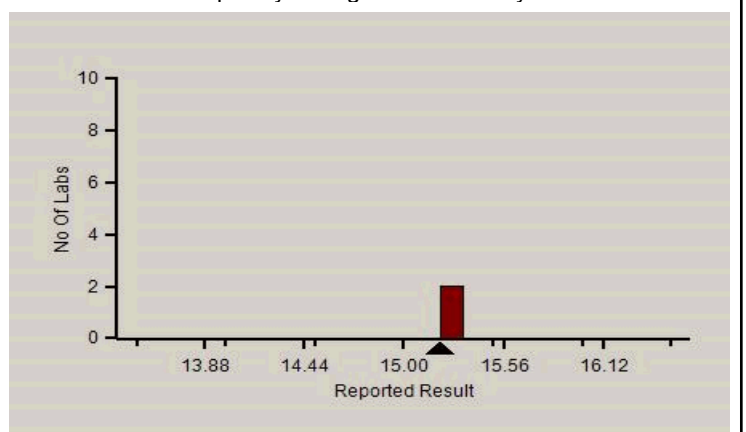
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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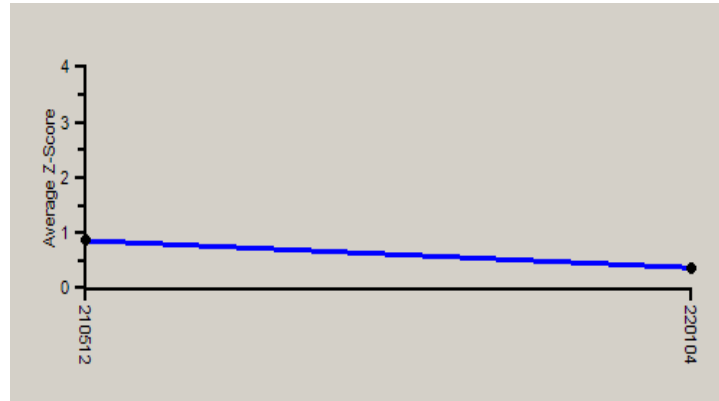
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 2

Report Date : 23/05/2022

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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	220	15.00	0.56	3.70	2
Your Analyzer :	ERBA H 360	2	15.25	--	--	--
	Beckman Coulter DxH 500	43	15.20	0.52	3.42	--
	Avantor H 33-S	31	14.69	0.68	4.60	--
	Sysmex XP-100	26	15.00	0.34	2.25	--
	Horiba ABX Pentra XL 80	21	15.46	0.46	2.95	1
	Beckman Coulter DxH 800	19	15.00	0.25	1.66	--
	Beckman Coulter DxH 520	14	15.15	0.38	2.53	--
	Aspen AD-3200 Plus	8	14.48	0.59	4.09	--

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 : 2

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Sample Date : 26-04-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	217	26.64	1.09	4.08	4
Calculated - (Your Method)	135	26.83	0.98	3.66	3
ERBA H 360 - (Your Analyzer)	2	26.00	--	--	--

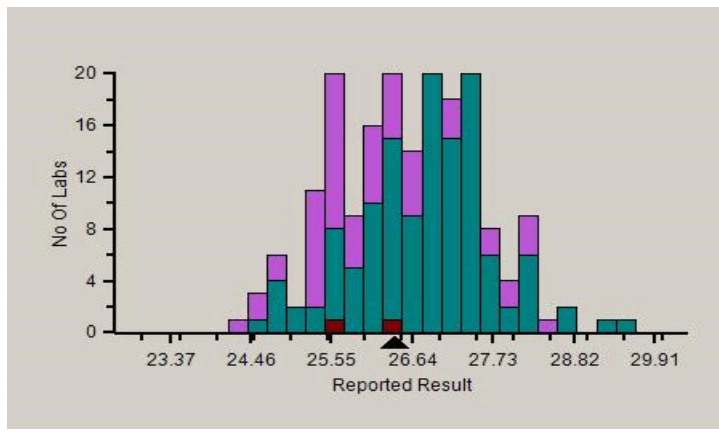
Evaluation Based On - Equipment wise Peer Grouping

Your Result	26.40	SDI / z-Score	1.20
Assigned Value	25.80	Average SDI	1.16
SDPA	0.502	Uncertainty of AV	0.24
Standard Unit Result Val	26.40	%DEV	-1.61

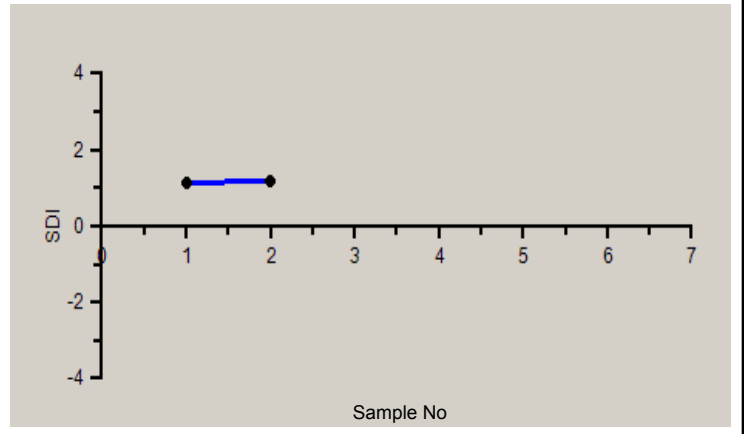
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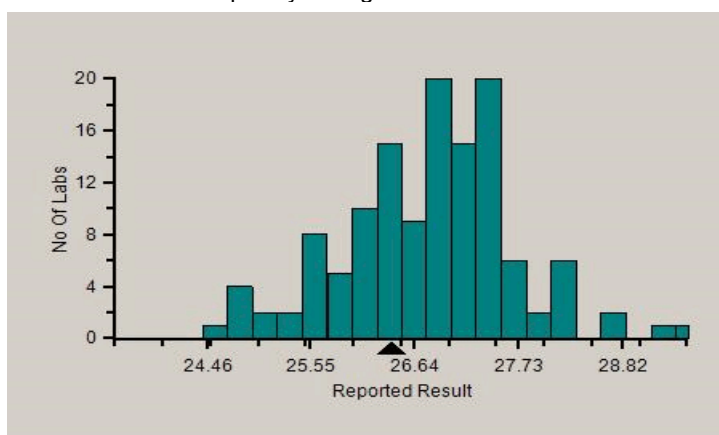
Frequency Histogram



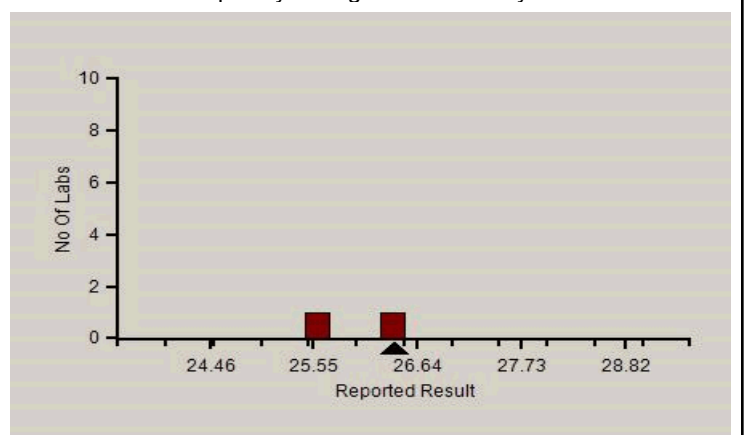
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

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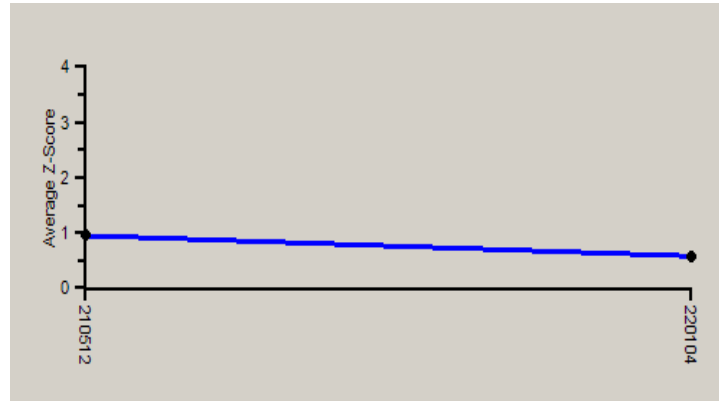
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

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	217	26.64	1.09	4.08	4
Your Analyzer :	ERBA H 360	2	26.00	--	--	--
	Beckman Coulter DxH 500	43	27.23	1.02	3.75	1
	Avantor H 33-S	30	25.97	1.11	4.28	--
	Sysmex XP-100	24	26.79	0.90	3.34	--
	Horiba ABX Pentra XL 80	22	27.01	0.75	2.79	1
	Beckman Coulter DxH 800	19	26.52	0.43	1.60	--
	Beckman Coulter DxH 520	14	27.31	0.85	3.12	--
	Aspen AD-3200 Plus	8	25.54	2.24	8.77	--

Remarks: Interpretation of your reports

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	217	29.70	2.41	8.13	3
Calculated - (Your Method)	134	29.86	2.10	7.05	2
ERBA H 360 - (Your Analyzer)	2	28.25	--	--	--

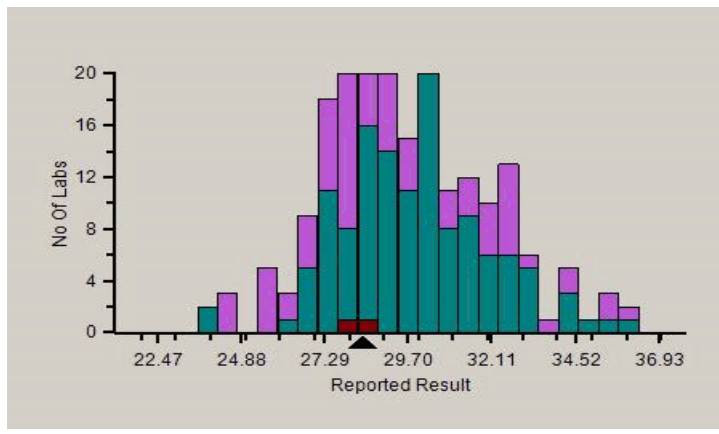
Evaluation Based On - Equipment wise Peer Grouping

Your Result	28.40	SDI / z-Score	0.00
Assigned Value	28.40	Average SDI	0.35
SDPA	0.828	Uncertainty of AV	0.39
Standard Unit Result Val	28.40	%DEV	-4.88

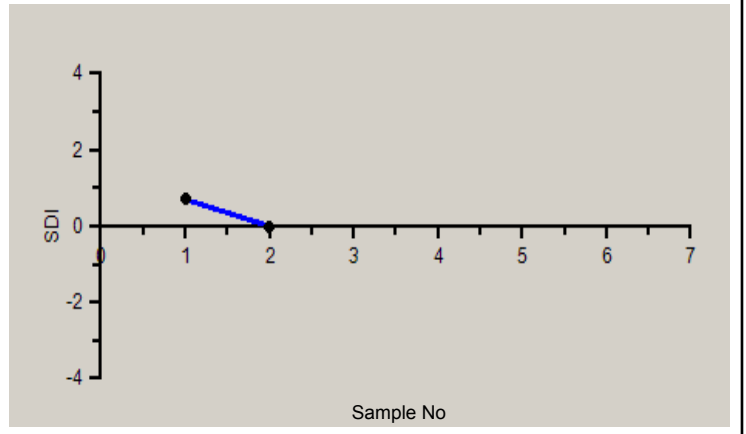
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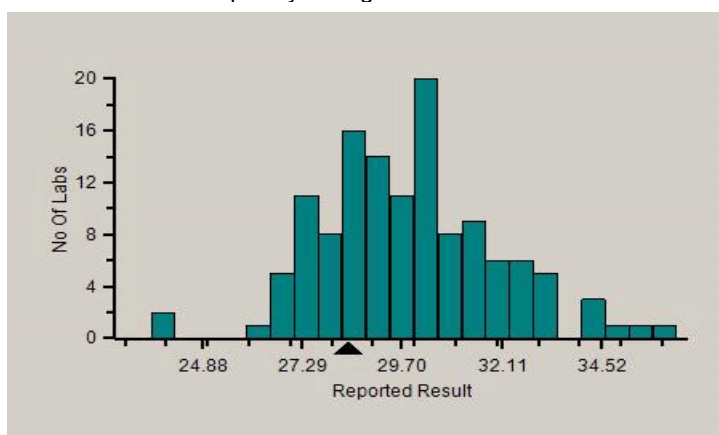
Frequency Histogram



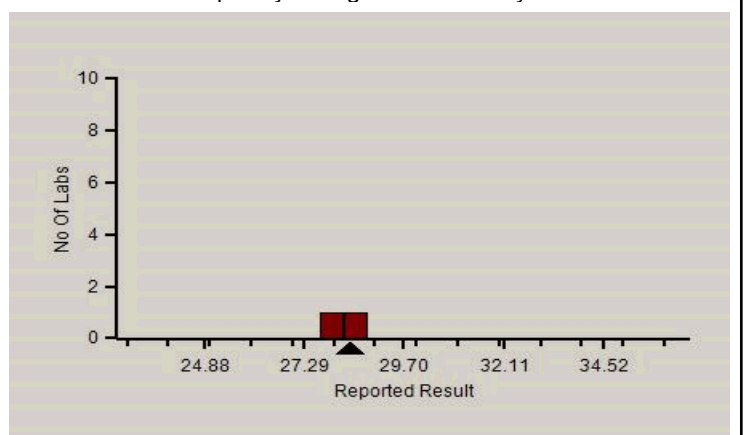
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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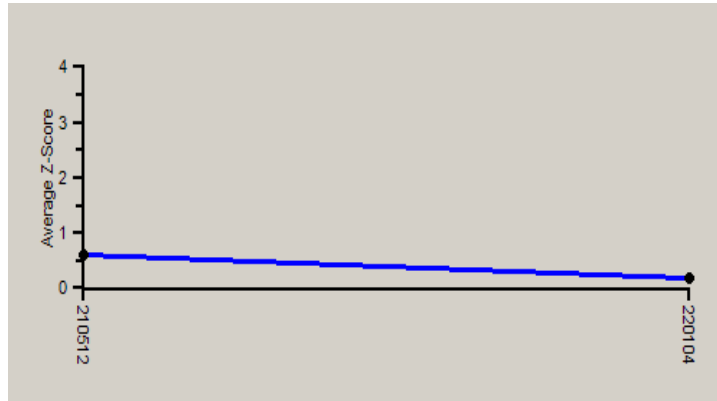
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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Sample Date : 26-04-2022

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	217	29.70	2.41	8.13	3
Your Analyzer :	ERBA H 360	2	28.25	--	--	--
	Beckman Coulter DxH 500	43	30.62	1.40	4.59	1
	Avantor H 33-S	30	27.65	1.83	6.61	1
	Sysmex XP-100	24	29.63	2.44	8.22	--
	Horiba ABX Pentra XL 80	22	32.14	2.64	8.20	--
	Beckman Coulter DxH 800	19	28.25	1.16	4.12	--
	Beckman Coulter DxH 520	14	30.78	0.83	2.71	1
	Aspen AD-3200 Plus	8	28.56	2.07	7.25	--

Remarks: Interpretation of your reports

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Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

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

Comparative Statistics

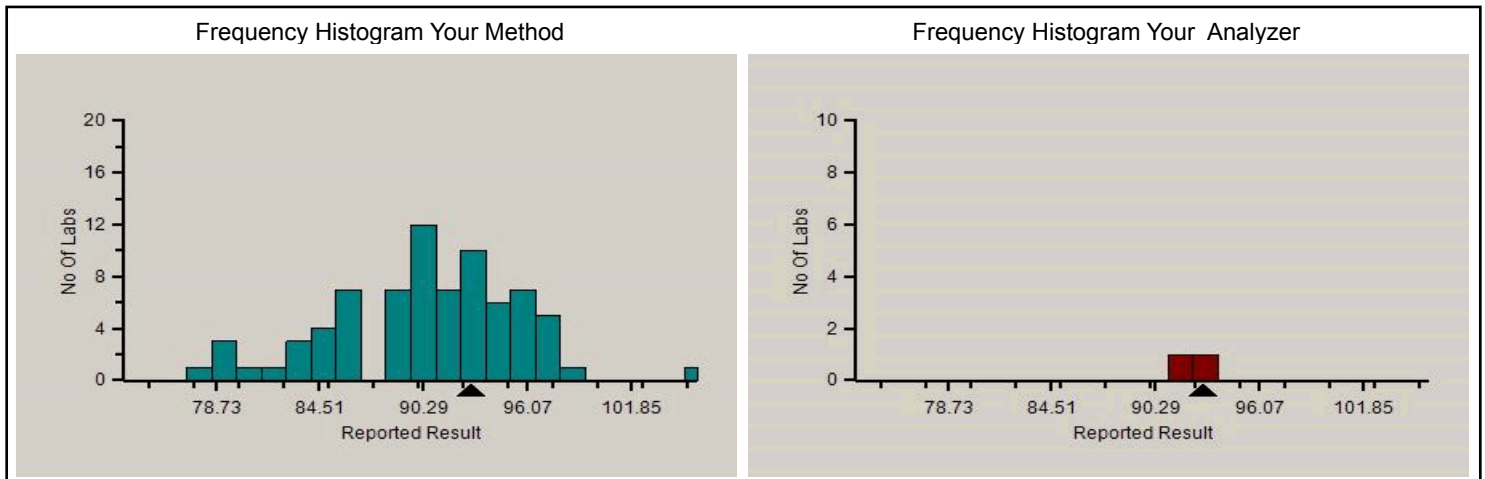
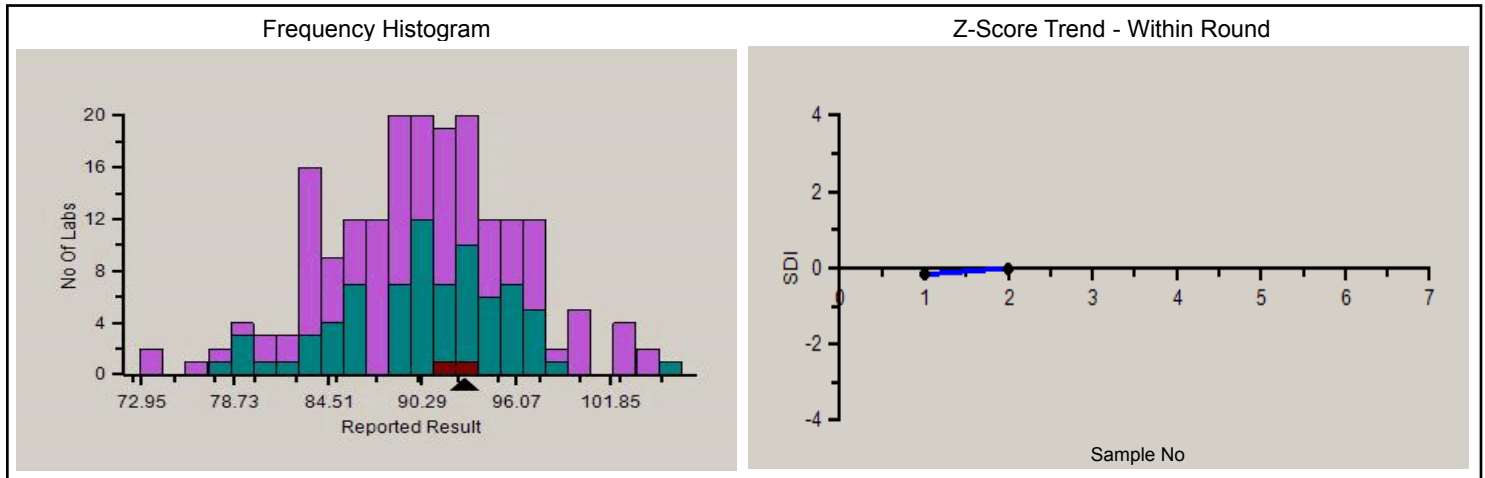
	N	Mean	SD	CV%	Excluded
All Methods	218	90.29	5.78	6.40	3
Calculated - (Your Method)	78	90.67	5.44	6.00	1
ERBA H 360 - (Your Analyzer)	2	91.95	--	--	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	92.90	SDI / z-Score	0.00
Assigned Value	92.90	Average SDI	-0.09
SDPA	2.226	Uncertainty of AV	1.05
Standard Unit Result Val	92.90	%DEV	2.47

Note : # - Not evaluated / Bimodal distribution

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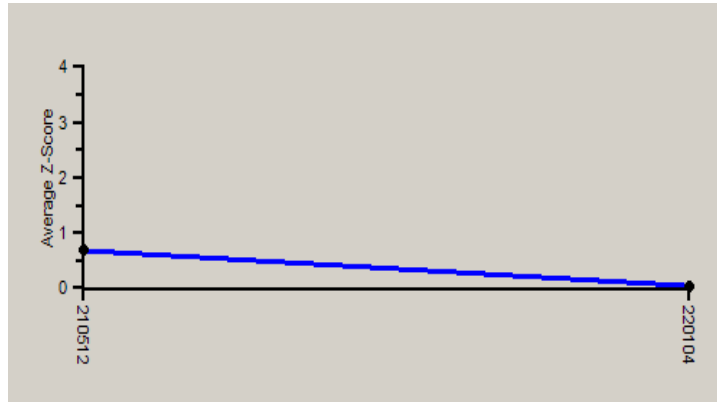
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Sample No : 2

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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	218	90.29	5.78	6.40	3
Your Analyzer :	ERBA H 360	2	91.95	--	--	--
	Beckman Coulter DxH 500	43	89.19	3.52	3.95	2
	Avantor H 33-S	29	93.81	4.71	5.02	1
	Sysmex XP-100	25	90.89	5.05	5.56	--
	Horiba ABX Pentra XL 80	22	84.93	5.49	6.46	--
	Beckman Coulter DxH 800	19	94.01	3.25	3.45	--
	Beckman Coulter DxH 520	14	87.10	4.67	5.36	--
	Aspen AD-3200 Plus	8	89.51	7.39	8.26	--

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Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

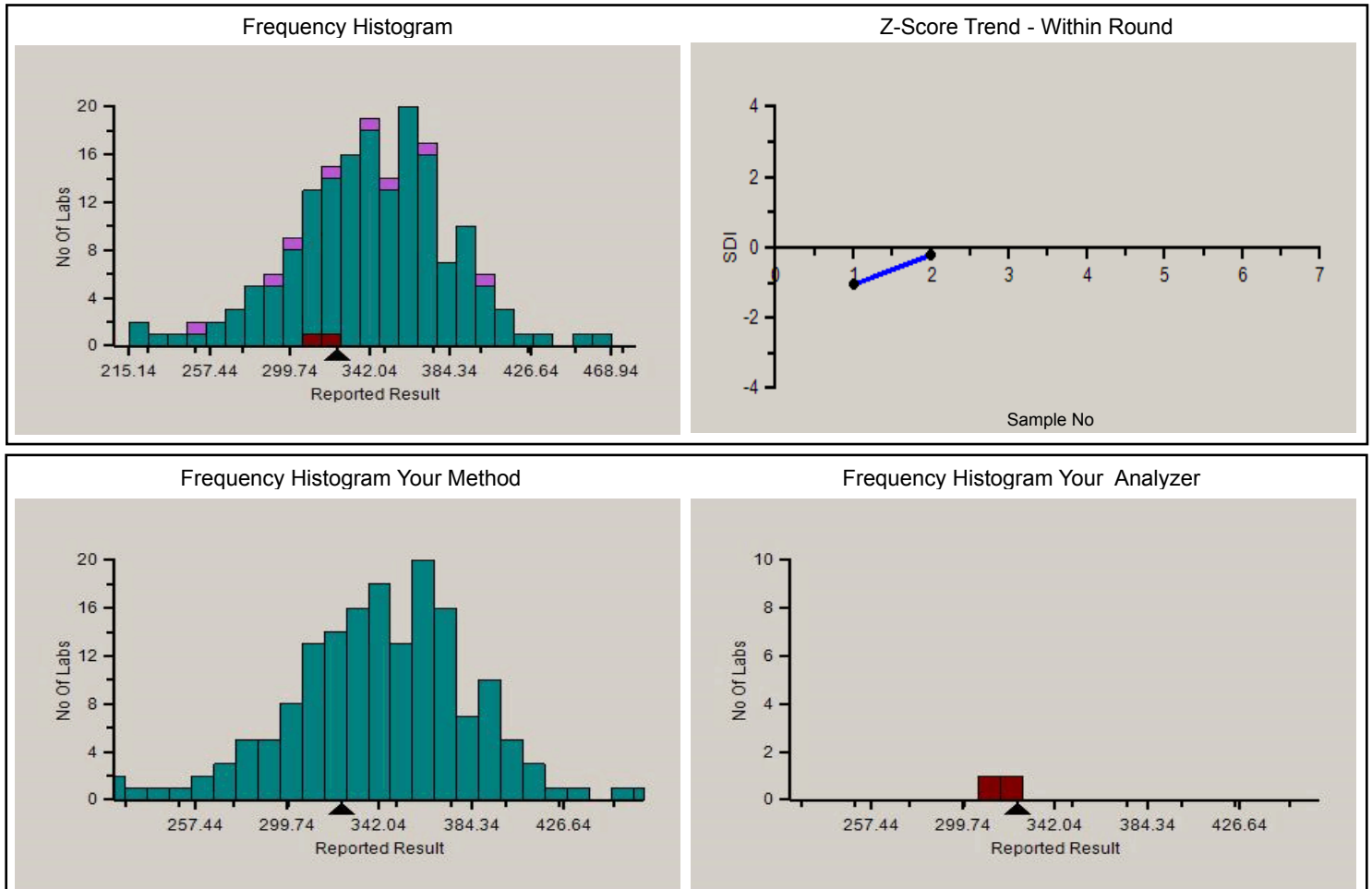
	N	Mean	SD	CV%	Excluded
All Methods	219	342.04	42.30	12.37	32
Impedance - (Your Method)	209	342.41	42.33	12.36	32
ERBA H 360 - (Your Analyzer)	2	317.50	--	--	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	325.00	SDI / z' Score	-0.21
Assigned Value	334.54	Average SDI	-0.64
SDPA	45.200	Uncertainty of AV	9.42
Standard Unit Result Val	325.00	%DEV	-5.09

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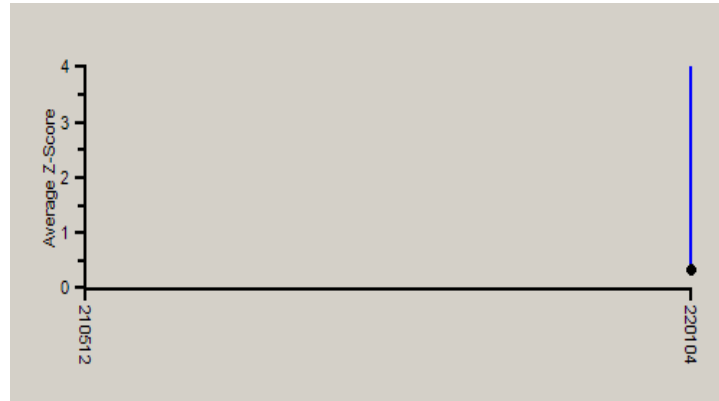
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Absolute Z-Score Average - Across Rounds



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Haematology - CBC, Platelet Count

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	All Analyzer	219	342.04	42.30	12.37	32
Your Analyzer :	ERBA H 360	2	317.50	--	--	--
	Beckman Coulter DxH 500	43	335.76	44.56	13.27	3
	Avantor H 33-S	29	340.04	38.84	11.42	3
	Sysmex XP-100	26	366.00	22.16	6.06	6
	Horiba ABX Pentra XL 80	22	322.45	34.33	10.65	2
	Beckman Coulter DxH 800	19	345.00	41.04	11.90	2
	Beckman Coulter DxH 520	14	358.10	33.74	9.42	1
	Aspen AD-3200 Plus	8	379.80	48.14	12.68	3

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	217	5,456.13	1,578.68	28.93	72
Impedance - (Your Method)	203	5,389.17	1,590.11	29.51	69
ERBA H 360 - (Your Analyzer)	3	--	--	--	3

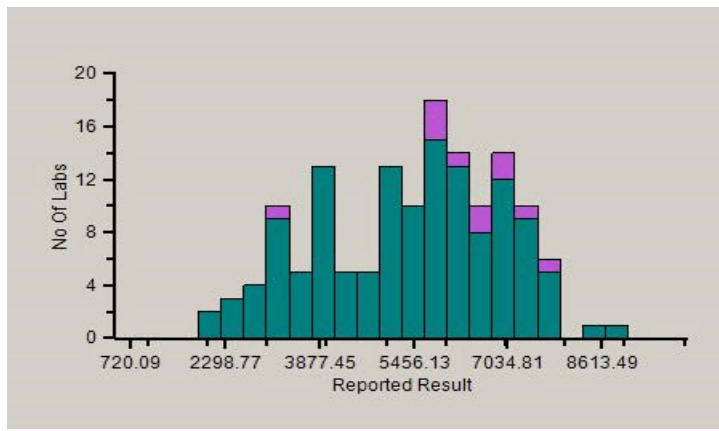
Evaluation Based On - Equipment wise Peer Grouping

Your Result	5.81	SDI / z-Score	*
Assigned Value	5,930.00	Average SDI	0.00
SDPA	915.223	Uncertainty of AV	660.51
Standard Unit Result Val	5.81	%DEV	-99.89

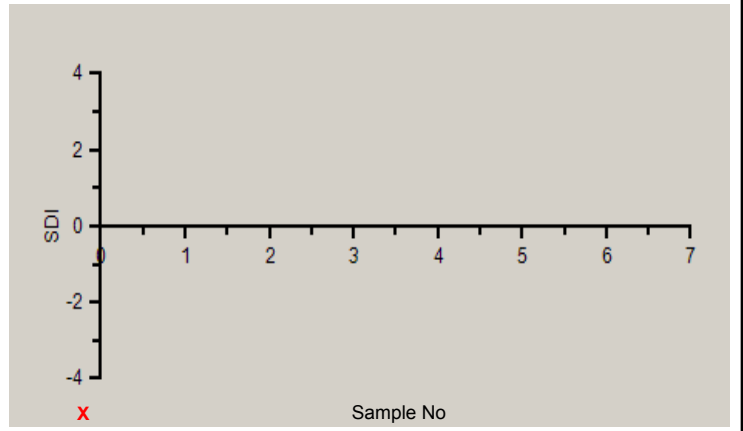
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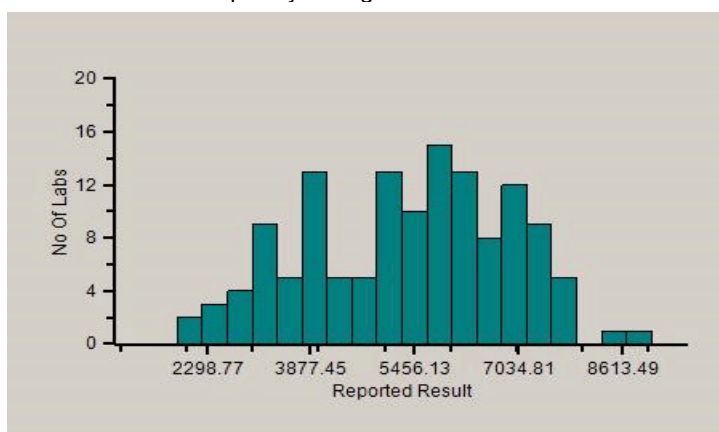
Frequency Histogram



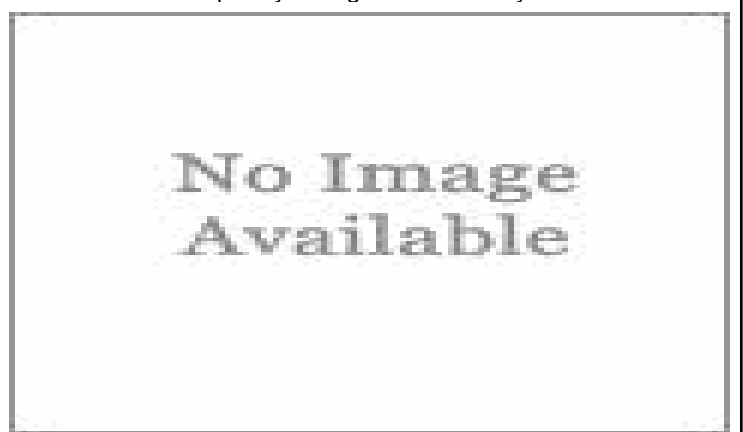
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

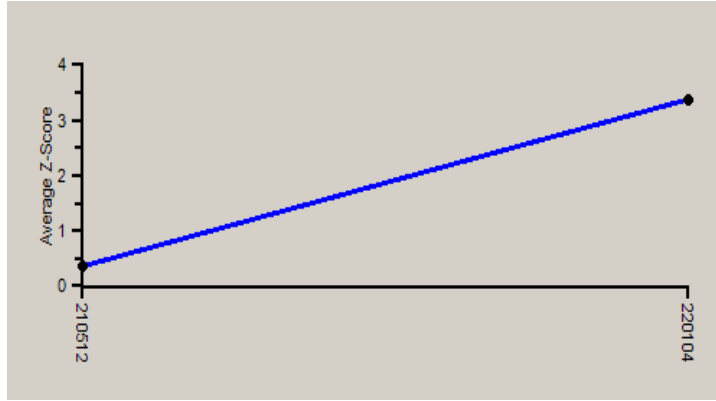
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 2

Report Date : 23/05/2022

Sample Date : 26-04-2022

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	217	5,456.13	1,578.68	28.93	72
Your Analyzer : ERBA H 360	3	--	--	--	3
Beckman Coulter DxH 500	41	3,808.18	975.57	25.62	8
Avantor H 33-S	29	6,662.14	677.03	10.16	15
Sysmex XP-100	26	6,519.48	811.55	12.45	5
Horiba ABX Pentra XL 80	22	5,408.33	694.73	12.85	10
Beckman Coulter DxH 800	19	5,425.00	816.91	15.06	3
Beckman Coulter DxH 520	14	3,383.33	635.66	18.79	8
Nihon Kohden Celltac Alpha	8	6,388.00	1,690.64	26.47	3

Remarks: Interpretation of your reports

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

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

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

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