

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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	221	4.81	0.22	4.51	5
Impedance - (Your Method)	211	4.81	0.22	4.60	5
ERBA H 360 - (Your Analyzer)	2	5.04	--	--	--

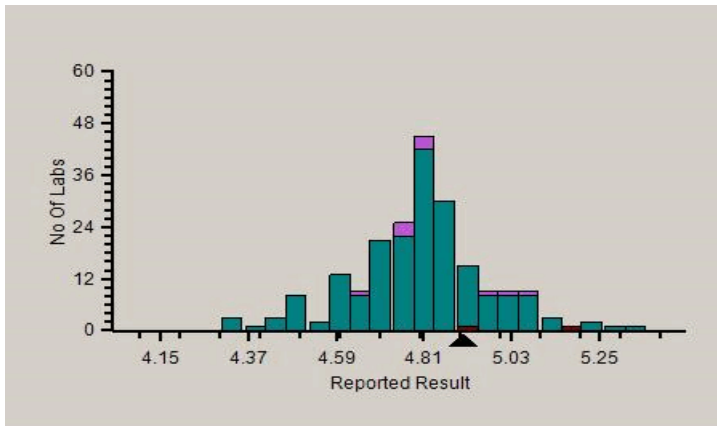
Evaluation Based On - Equipment wise Peer Grouping

Your Result	4.91	SDI / z-Score	-0.22
Assigned Value	4.96	Average SDI	0.20
SDPA	0.225	Uncertainty of AV	0.11
Standard Unit Result Val	4.91	%DEV	2.10

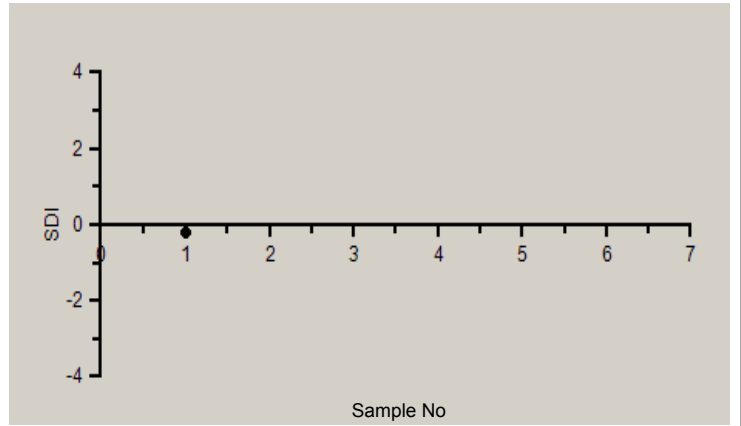
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

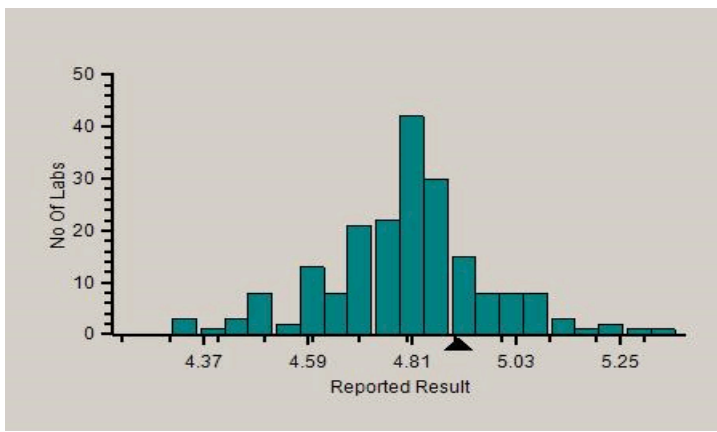
Frequency Histogram



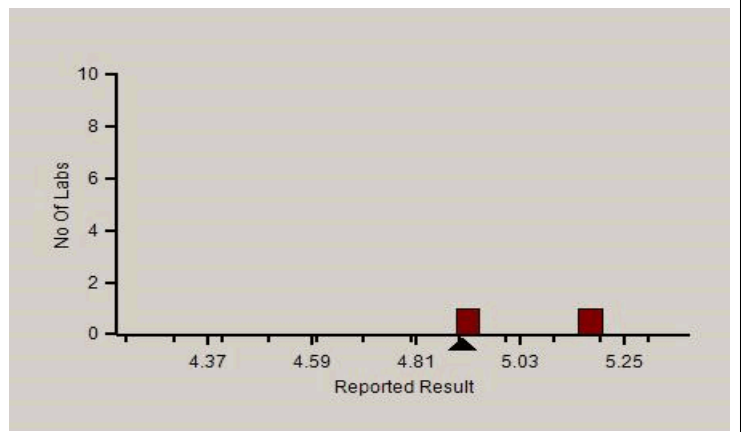
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

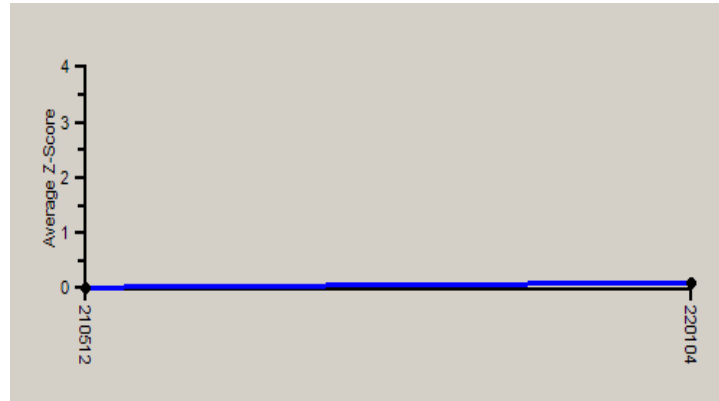
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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	221	4.81	0.22	4.51	5
Your Analyzer :	ERBA H 360	2	5.04	--	--	--
	Beckman Coulter DxH 500	43	4.82	0.25	5.18	1
	Avantor H 33-S	30	4.80	0.21	4.42	2
	Sysmex XP-100	24	4.76	0.13	2.71	--
	Horiba ABX Pentra XL 80	22	4.70	0.28	5.85	--
	Beckman Coulter DxH 800	19	4.81	0.11	2.27	--
	Beckman Coulter DxH 520	15	4.79	0.18	3.65	--
	Aspen AD-3200 Plus	8	4.97	0.25	5.05	--

Remarks: Interpretation of your reports

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

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

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



PC-1022

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

Report Date : 23/05/2022

Sample Date : 26-04-2022

Haematology - CBC, Haemoglobin, g/dL

Comparative Statistics

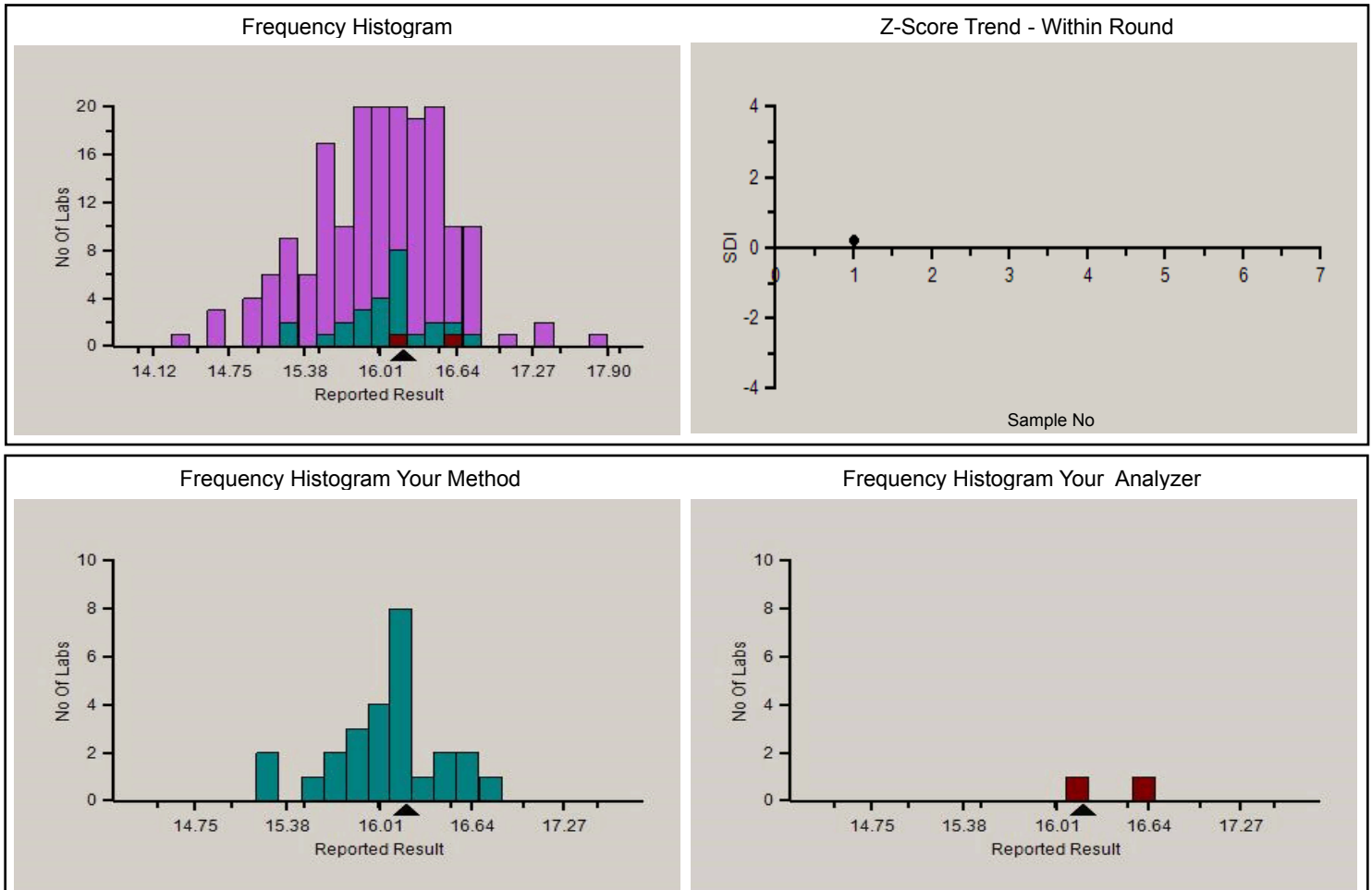
	N	Mean	SD	CV%	Excluded
All Methods	221	16.01	0.63	3.96	3
Non Cyanide method - (Your Method)	27	16.06	0.37	2.32	1
ERBA H 360 - (Your Analyzer)	2	16.40	--	--	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	16.20	SDI / z-Score	0.20
Assigned Value	16.00	Average SDI	0.74
SDPA	0.984	Uncertainty of AV	0.46
Standard Unit Result Val	16.20	%DEV	0.88

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



PC-1022

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

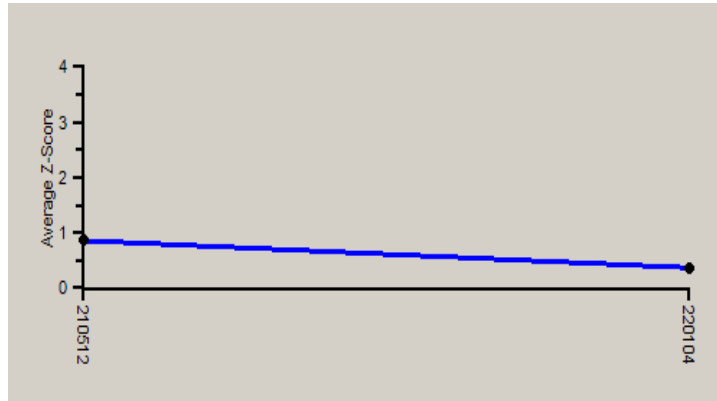
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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, Haemoglobin

		N	Mean	SD	CV%	Excluded
	All Analyzer	221	16.01	0.63	3.96	3
Your Analyzer :	ERBA H 360	2	16.40	--	--	--
	Beckman Coulter DxH 500	44	16.23	0.67	4.12	--
	Avantor H 33-S	30	15.62	0.66	4.23	1
	Sysmex XP-100	25	15.90	0.41	2.58	--
	Horiba ABX Pentra XL 80	21	16.47	0.52	3.13	--
	Beckman Coulter DxH 800	19	16.04	0.24	1.47	--
	Beckman Coulter DxH 520	14	16.25	0.33	2.04	1
	Aspen AD-3200 Plus	8	15.10	0.76	5.05	--

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 : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

Report Date : 23/05/2022

Sample Date : 26-04-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	218	33.24	1.55	4.65	4
Calculated - (Your Method)	136	33.41	1.41	4.22	1
ERBA H 360 - (Your Analyzer)	2	32.60	--	--	--

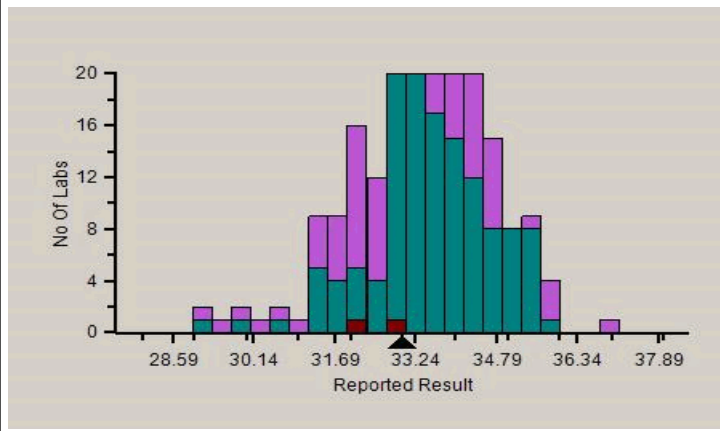
Evaluation Based On - Equipment wise Peer Grouping

Your Result	33.00	SDI / z-Score	1.12
Assigned Value	32.20	Average SDI	1.16
SDPA	0.714	Uncertainty of AV	0.34
Standard Unit Result Val	33.00	%DEV	-1.22

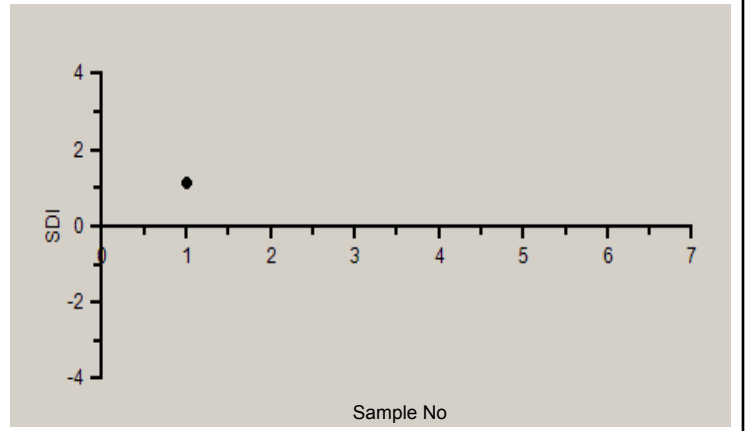
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

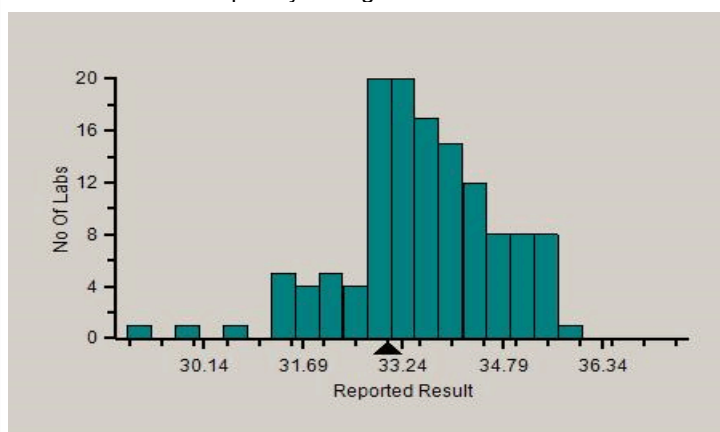
Frequency Histogram



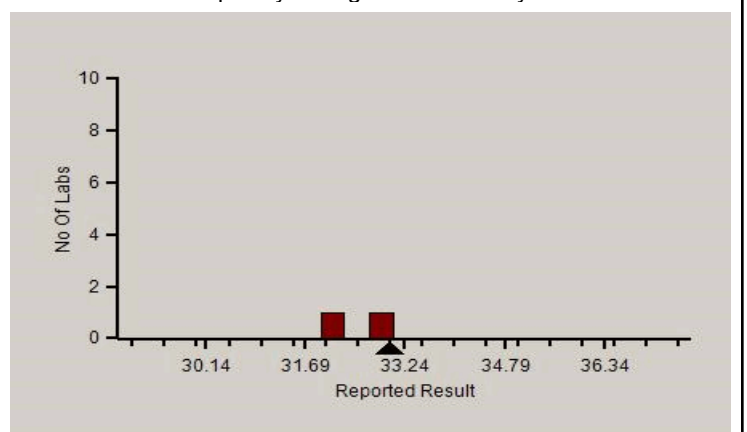
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

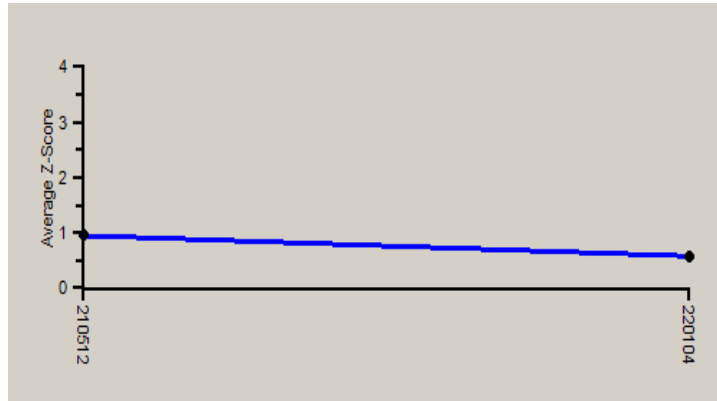
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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	218	33.24	1.55	4.65	4
Your Analyzer :	ERBA H 360	2	32.60	--	--	--
	Beckman Coulter DxH 500	44	33.70	1.52	4.52	1
	Avantor H 33-S	30	32.60	1.33	4.08	--
	Sysmex XP-100	23	33.38	1.07	3.20	--
	Horiba ABX Pentra XL 80	22	34.54	1.13	3.28	1
	Beckman Coulter DxH 800	19	33.34	0.62	1.85	--
	Beckman Coulter DxH 520	14	34.12	0.79	2.31	--
	Aspen AD-3200 Plus	8	30.14	2.17	7.20	--

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 : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

Report Date : 23/05/2022

Sample Date : 26-04-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	218	32.66	2.21	6.77	5
Calculated - (Your Method)	135	32.89	1.94	5.88	2
ERBA H 360 - (Your Analyzer)	2	32.00	--	--	--

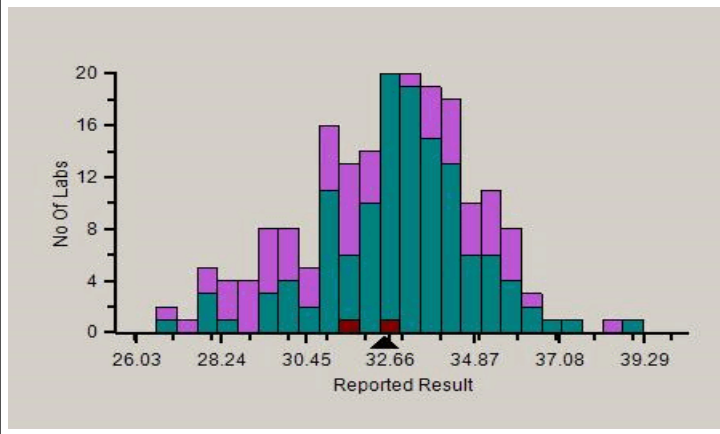
Evaluation Based On - Equipment wise Peer Grouping

Your Result	32.50	SDI / z-Score	0.70
Assigned Value	31.60	Average SDI	0.35
SDPA	1.289	Uncertainty of AV	0.61
Standard Unit Result Val	32.50	%DEV	-1.18

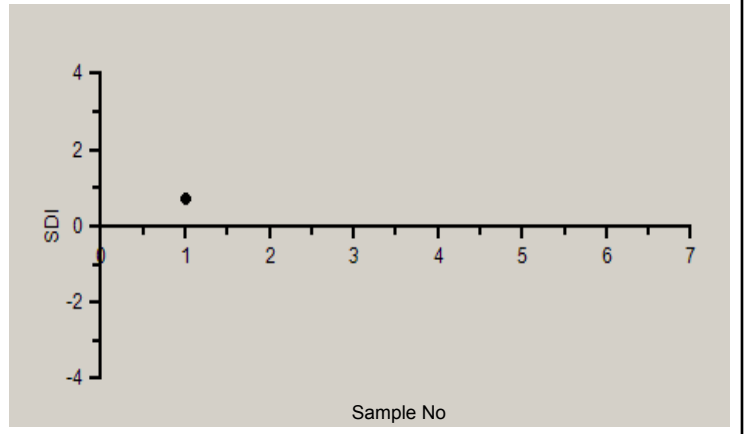
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

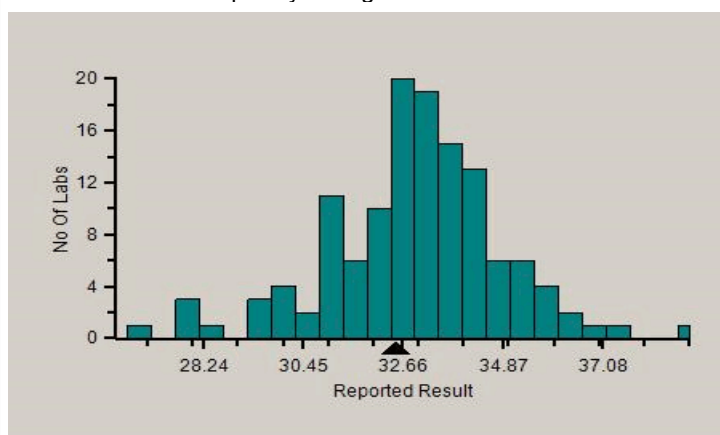
Frequency Histogram



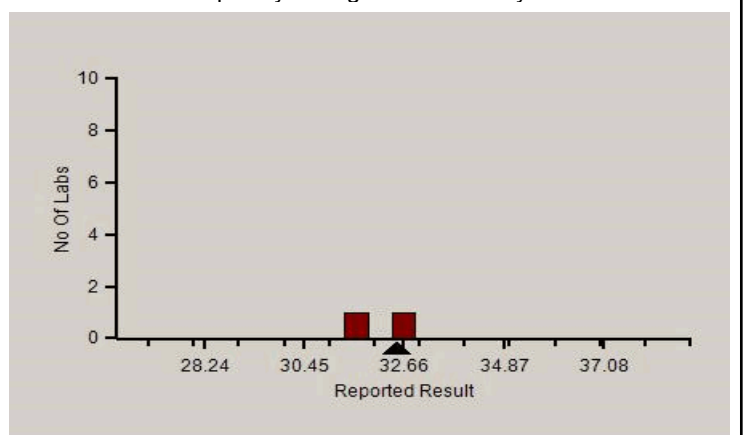
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

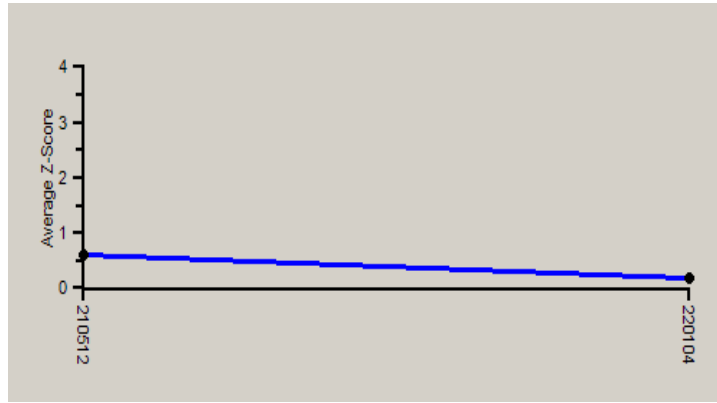
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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, MCHC (Mean Corpuscular Hb Concentration)

	N	Mean	SD	CV%	Excluded
All Analyzer	218	32.66	2.21	6.77	5
Your Analyzer : ERBA H 360	2	32.00	--	--	--
Beckman Coulter DxH 500	44	33.07	1.49	4.49	1
Avantor H 33-S	30	30.05	1.61	5.35	2
Sysmex XP-100	23	33.34	1.77	5.31	--
Horiba ABX Pentra XL 80	22	34.81	1.71	4.92	1
Beckman Coulter DxH 800	19	32.83	1.31	3.98	--
Beckman Coulter DxH 520	14	34.16	1.75	5.12	--
Aspen AD-3200 Plus	8	30.69	2.06	6.72	--

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 : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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	219	102.07	5.16	5.05	2
Calculated - (Your Method)	77	101.51	3.98	3.92	--
ERBA H 360 - (Your Analyzer)	2	101.70	--	--	--

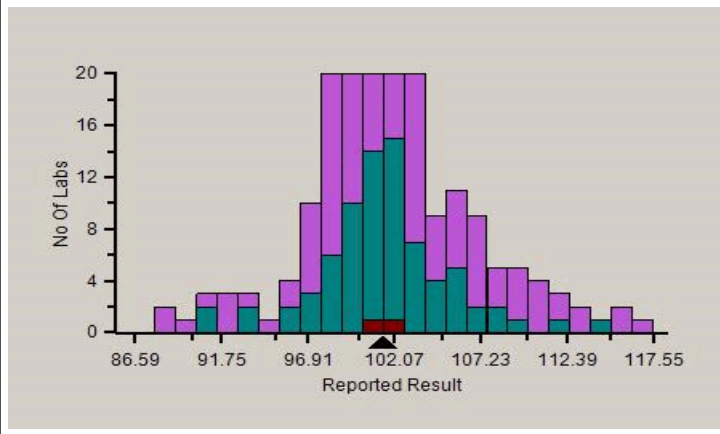
Evaluation Based On - Equipment wise Peer Grouping

Your Result	101.40	SDI / z-Score	-0.17
Assigned Value	102.00	Average SDI	-0.09
SDPA	3.442	Uncertainty of AV	1.63
Standard Unit Result Val	101.40	%DEV	-0.10

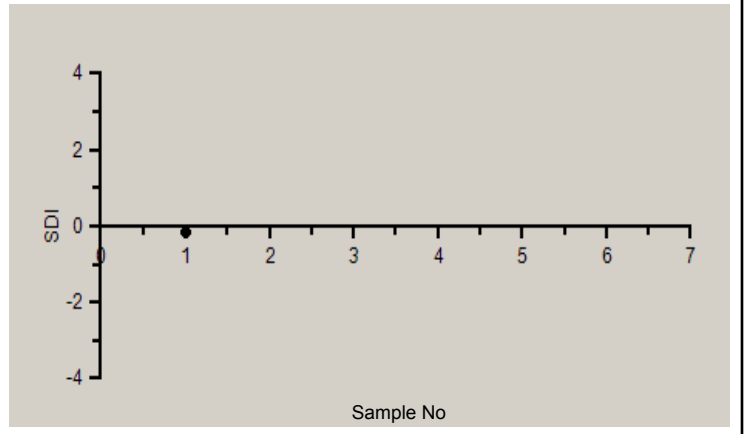
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

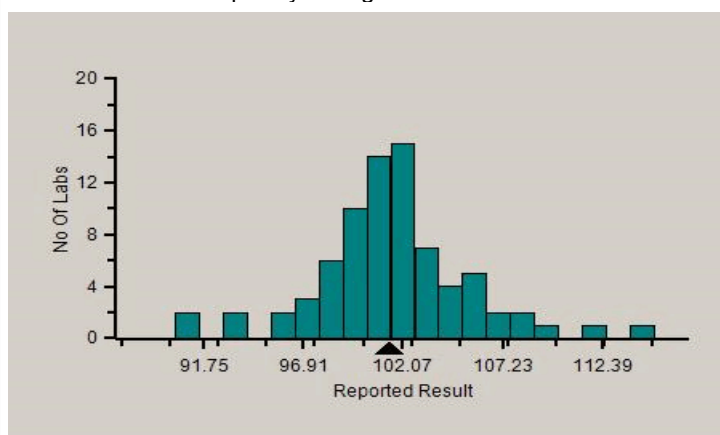
Frequency Histogram



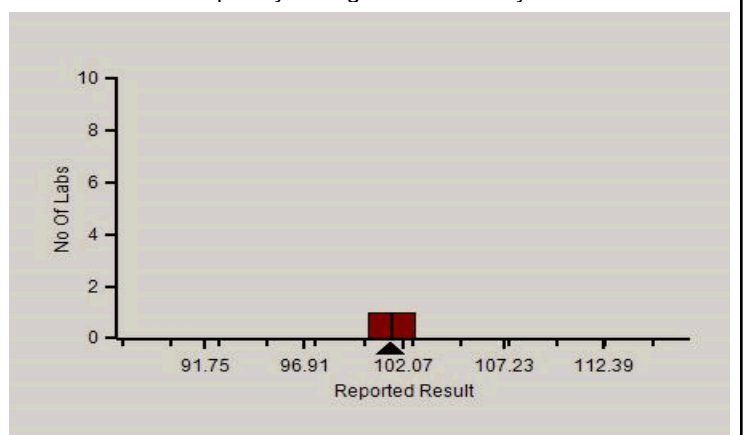
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

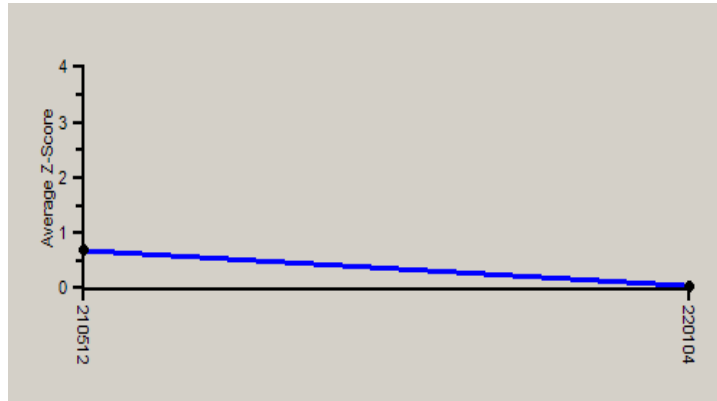
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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, MCV (Mean Corpuscular Volume)		N	Mean	SD	CV%	Excluded
	All Analyzer	219	102.07	5.16	5.05	2
Your Analyzer :	ERBA H 360	2	101.70	--	--	--
	Beckman Coulter DxH 500	44	102.28	4.12	4.03	--
	Avantor H 33-S	29	108.63	5.16	4.75	1
	Sysmex XP-100	24	100.17	3.13	3.13	--
	Horiba ABX Pentra XL 80	22	99.36	3.34	3.36	--
	Beckman Coulter DxH 800	19	101.61	3.23	3.18	--
	Beckman Coulter DxH 520	14	100.05	3.44	3.44	--
	Aspen AD-3200 Plus	8	98.50	6.80	6.90	--

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 : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

Report Date : 23/05/2022

Sample Date : 26-04-2022

Haematology - CBC, Platelet Count, 1000/ μ L

Comparative Statistics

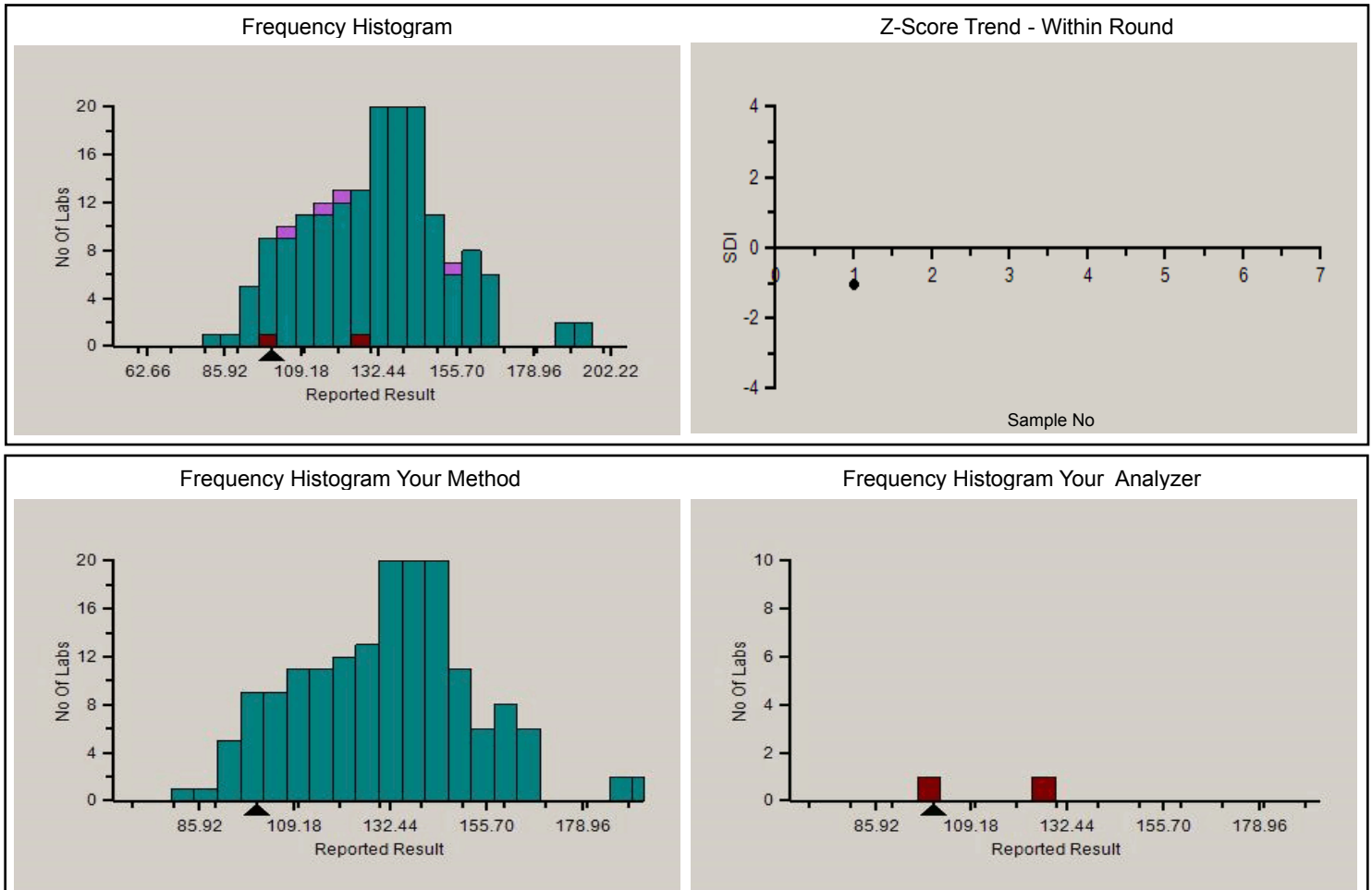
	N	Mean	SD	CV%	Excluded
All Methods	219	132.44	23.26	17.56	32
Impedance - (Your Method)	208	132.56	23.80	17.95	32
ERBA H 360 - (Your Analyzer)	2	113.00	--	--	--

Evaluation Based On - Equipment wise Peer Grouping

Your Result	100.00	SDI / z-Score	-1.06
Assigned Value	126.95	Average SDI	-0.64
SDPA	25.347	Uncertainty of AV	6.34
Standard Unit Result Val	100.00	%DEV	-24.56

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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, Platelet Count

		N	Mean	SD	CV%	Excluded
	All Analyzer	219	132.44	23.26	17.56	32
Your Analyzer :	ERBA H 360	2	113.00	--	--	--
	Beckman Coulter DxH 500	44	122.02	20.63	16.91	4
	Avantor H 33-S	29	136.81	19.43	14.21	3
	Sysmex XP-100	25	143.14	9.95	6.95	4
	Horiba ABX Pentra XL 80	21	167.69	25.44	15.17	4
	Beckman Coulter DxH 800	19	129.53	15.07	11.63	2
	Beckman Coulter DxH 520	14	119.48	12.17	10.18	1
	Aspen AD-3200 Plus	8	133.20	11.39	8.55	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



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

Report Date : 23/05/2022

Sample Date : 26-04-2022

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

Comparative Statistics

	N	Mean	SD	CV%	Excluded
All Methods	218	3,073.43	1,064.49	34.64	75
Impedance - (Your Method)	204	3,034.63	1,066.90	35.16	72
ERBA H 360 - (Your Analyzer)	3	--	--	--	3

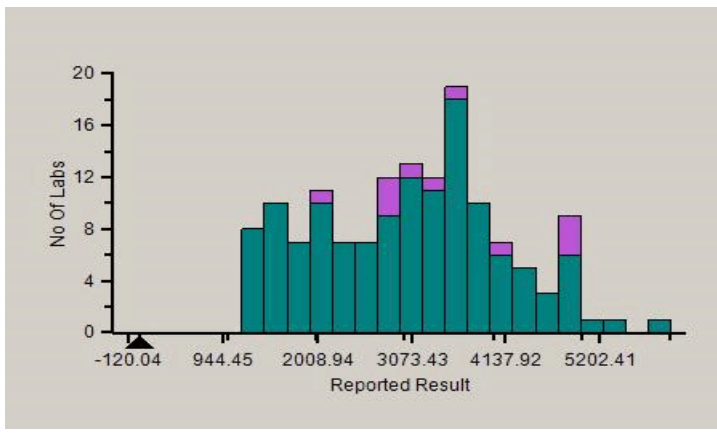
Evaluation Based On - Equipment wise Peer Grouping

Your Result	3.99	SDI / z' Score	*
Assigned Value	4,760.00	Average SDI	0.00
SDPA	675.000	Uncertainty of AV	318.77
Standard Unit Result Val	3.99	%DEV	-99.87

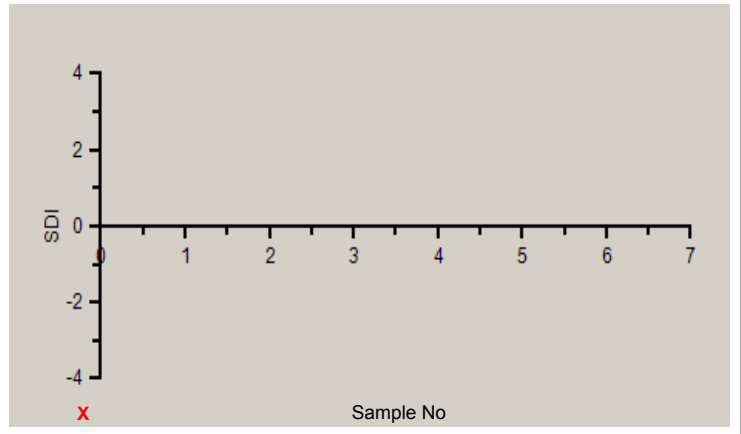
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

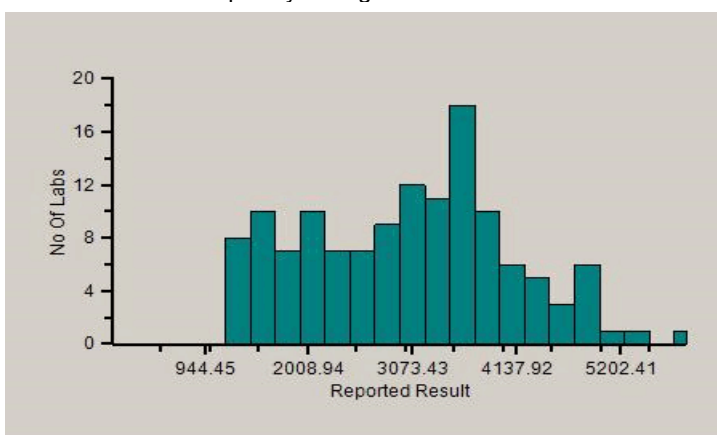
Frequency Histogram



Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

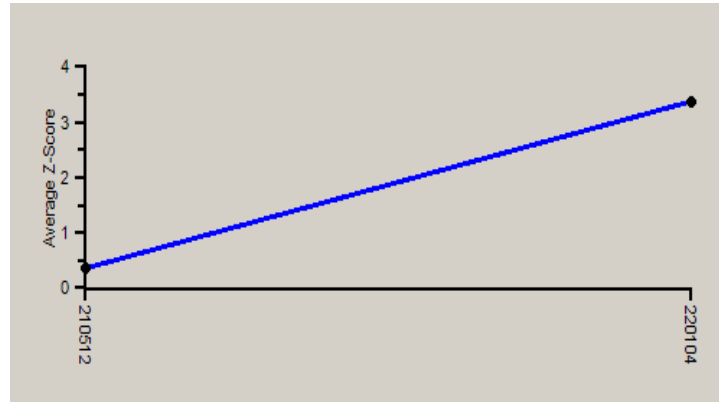
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

Sample No : 1

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	218	3,073.43	1,064.49	34.64	75
Your Analyzer : ERBA H 360	3	--	--	--	3
Beckman Coulter DxH 500	42	1,853.94	445.32	24.02	9
Avantor H 33-S	29	3,369.29	659.94	19.59	15
Sysmex XP-100	25	3,932.68	773.43	19.67	6
Horiba ABX Pentra XL 80	22	3,409.09	347.72	10.20	11
Beckman Coulter DxH 800	19	3,375.00	701.90	20.80	3
Beckman Coulter DxH 520	14	1,911.67	308.57	16.14	8
Nihon Kohden Celltac Alpha	8	4,314.00	840.17	19.48	3

Remarks: Interpretation of your reports

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

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

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

Dr Puneet Kumar Nigam

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



Analyte Methodwise Result Report

Lab : 455
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR
Report Date : 23/05/2022

Cycle No : 220104
Sample No : 2
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	--	--	--

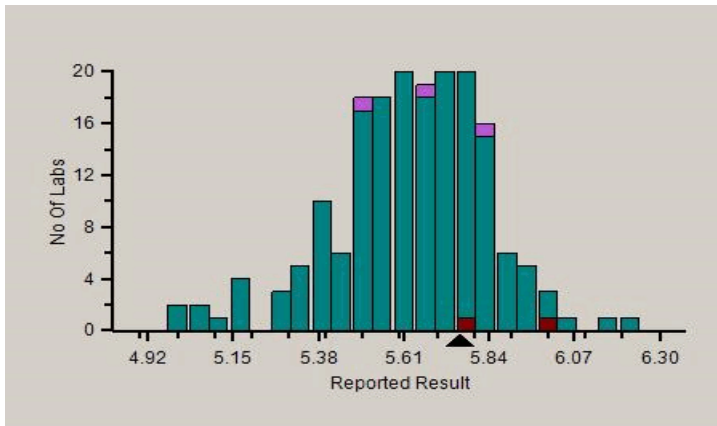
Evaluation Based On - Equipment wise Peer Grouping

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

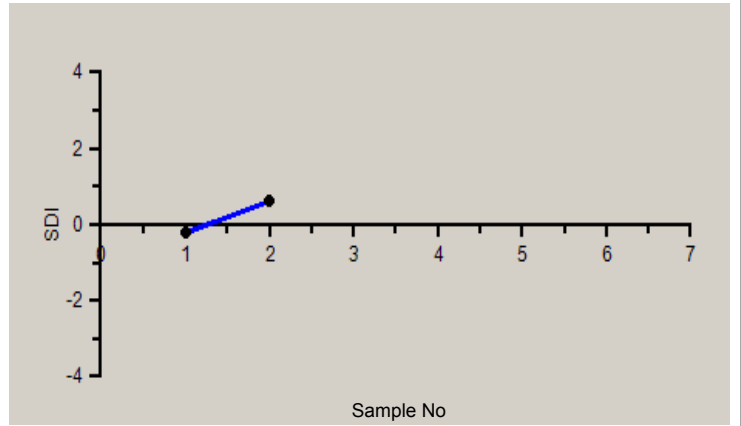
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

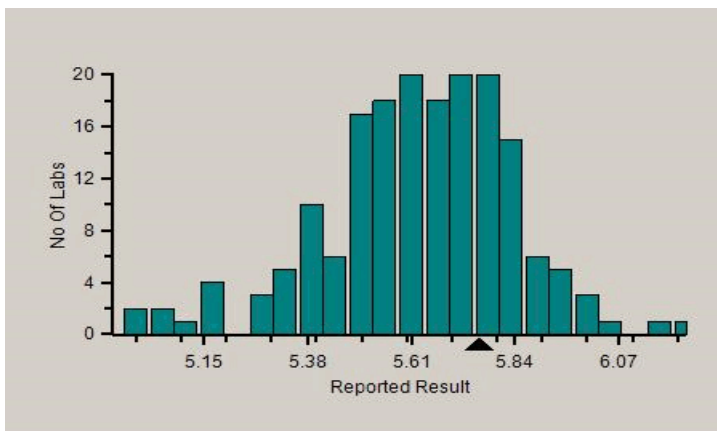
Frequency Histogram



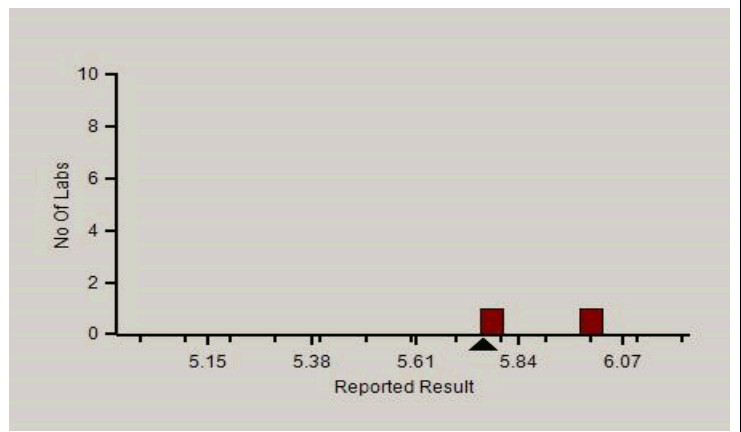
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

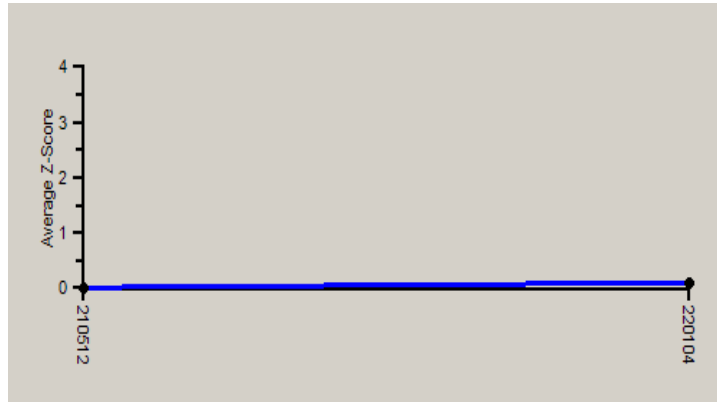
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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
 - 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

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, Haemoglobin, g/dL

Comparative Statistics

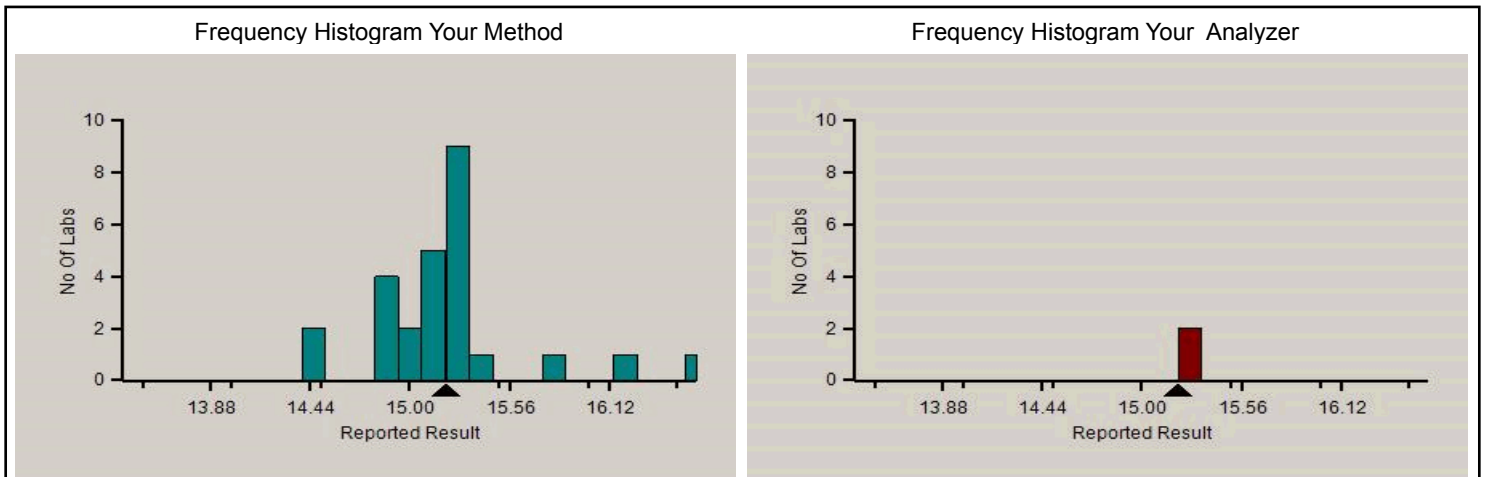
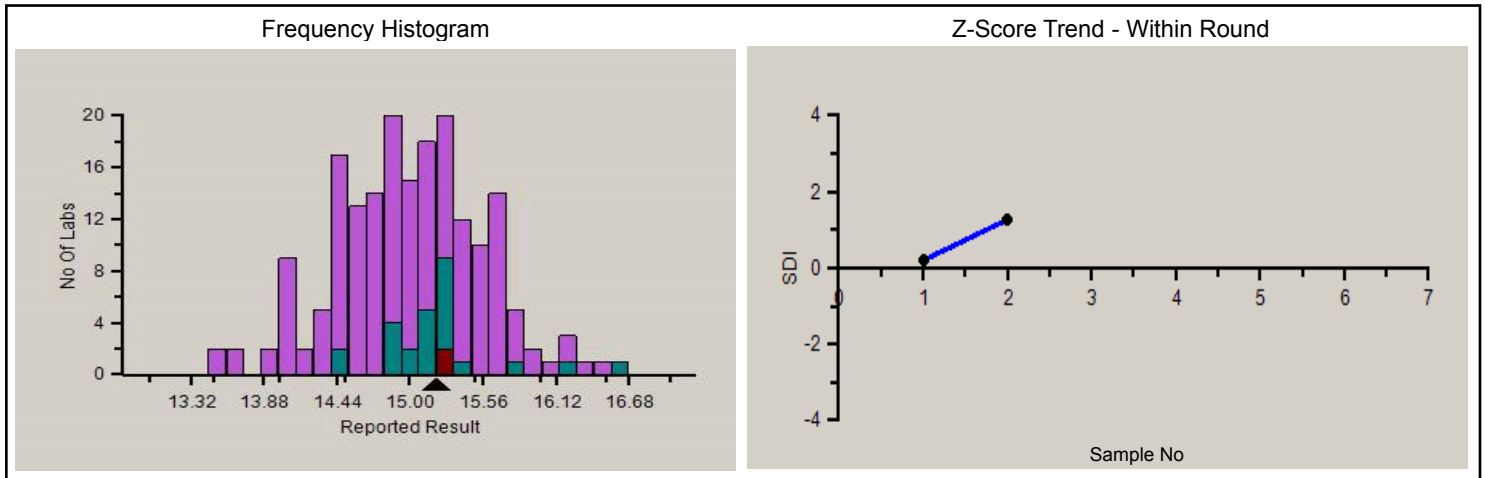
	N	Mean	SD	CV%	Excluded
All Methods	220	15.00	0.56	3.70	2
Non Cyanide method - (Your Method)	26	15.21	0.44	2.92	--
ERBA H 360 - (Your Analyzer)	2	15.25	--	--	--

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

Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

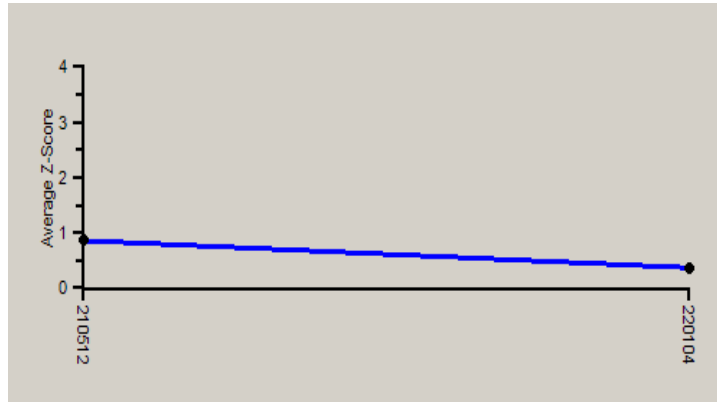
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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, 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.
- 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 : 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, 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	--	--	--

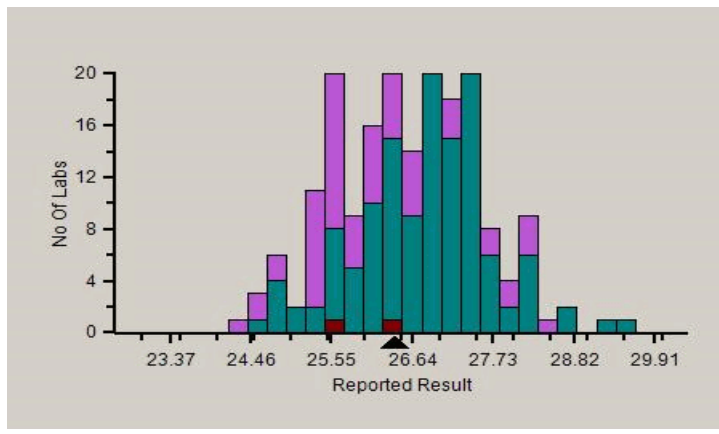
Evaluation Based On - Equipment wise Peer Grouping

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

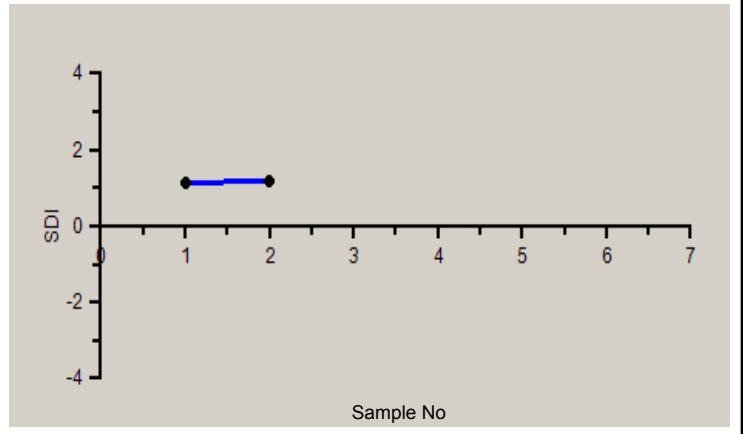
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

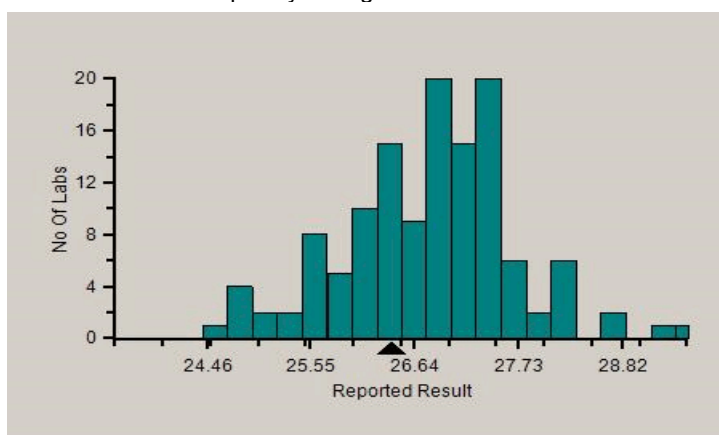
Frequency Histogram



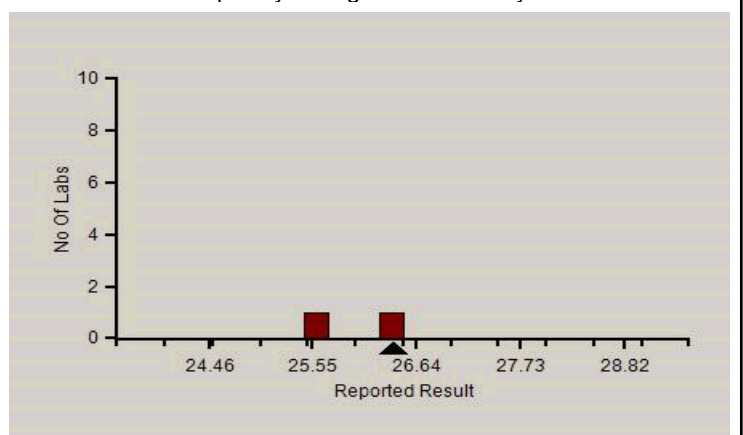
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

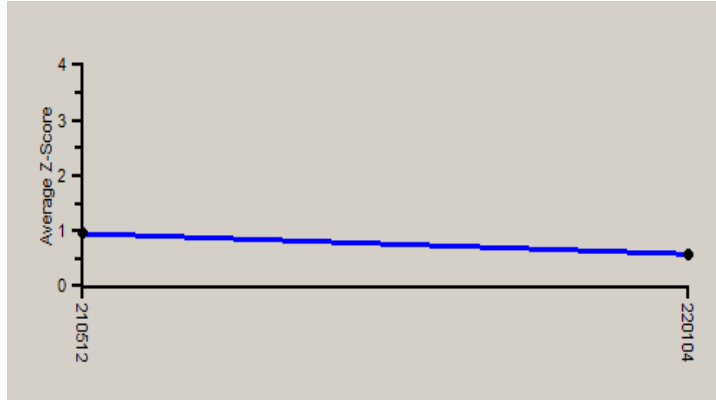
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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, 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

- 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 : 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, 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	--	--	--

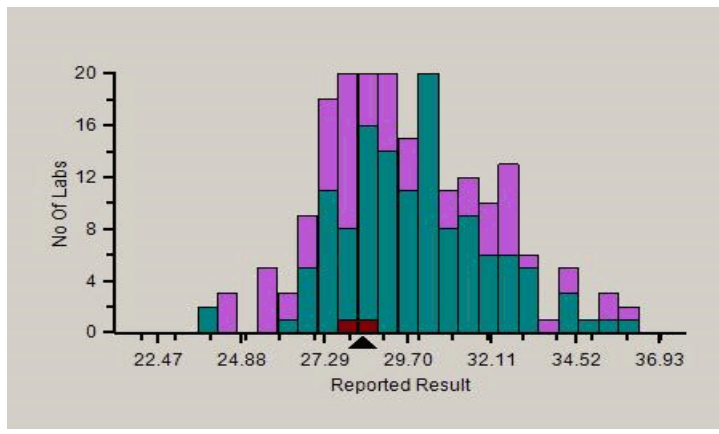
Evaluation Based On - Equipment wise Peer Grouping

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

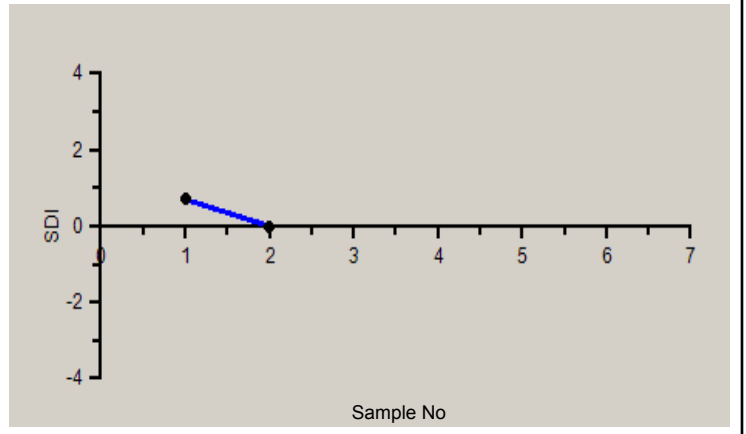
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

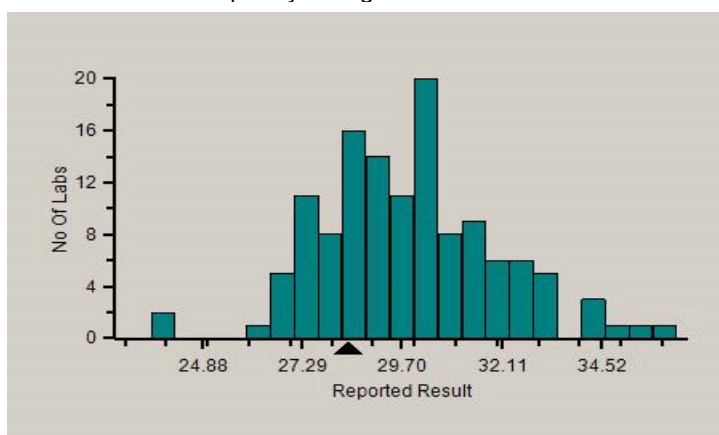
Frequency Histogram



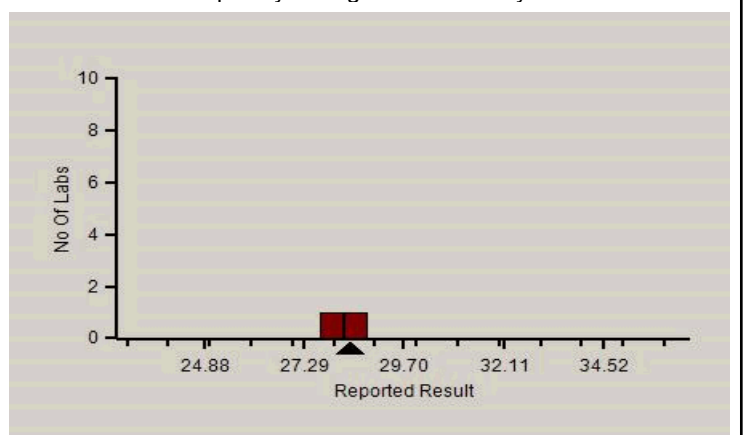
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

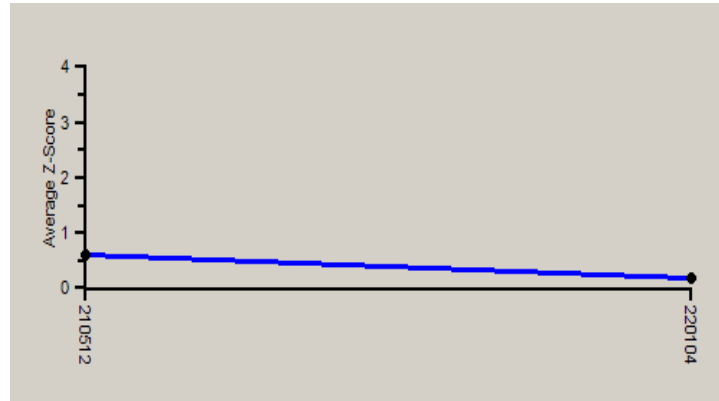
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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, 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

- 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 : 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, MCV (Mean Corpuscular Volume), fL

Comparative Statistics

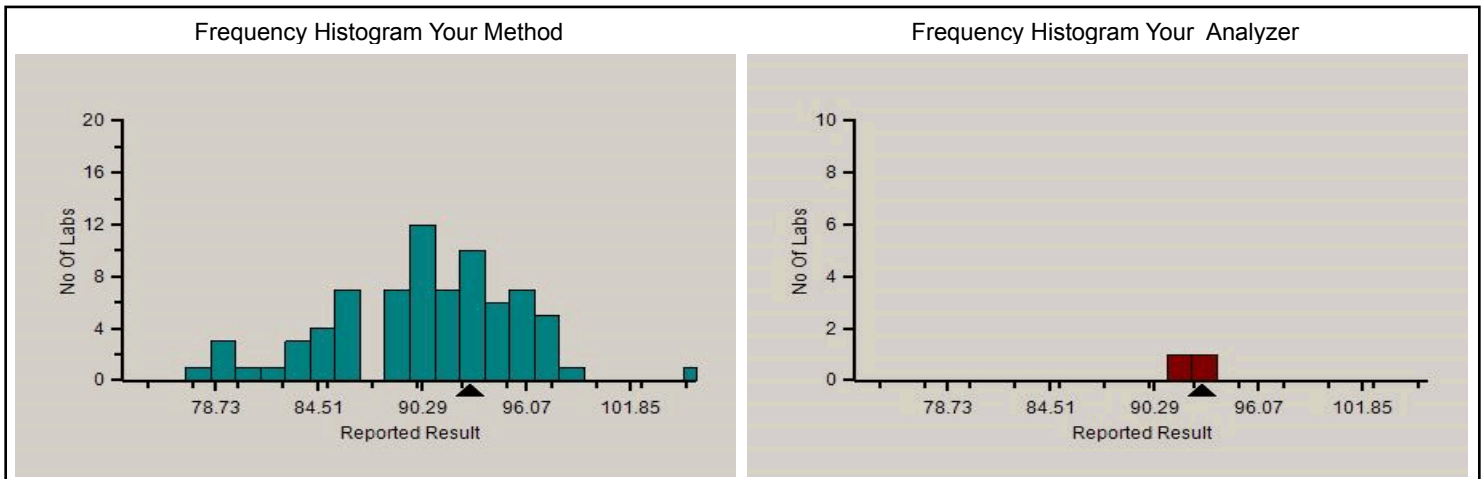
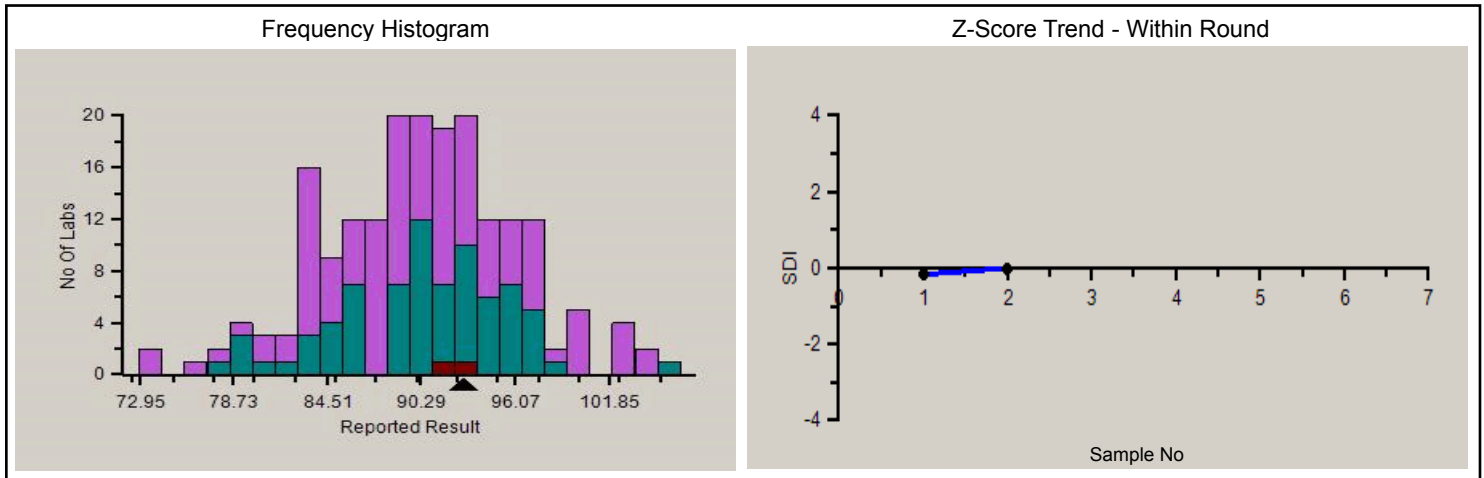
	N	Mean	SD	CV%	Excluded
All Methods	218	90.29	5.78	6.40	3
Calculated - (Your Method)	78	90.67	5.44	6.00	1
ERBA H 360 - (Your Analyzer)	2	91.95	--	--	--

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

X : SDI more than 4



PC-1022

Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

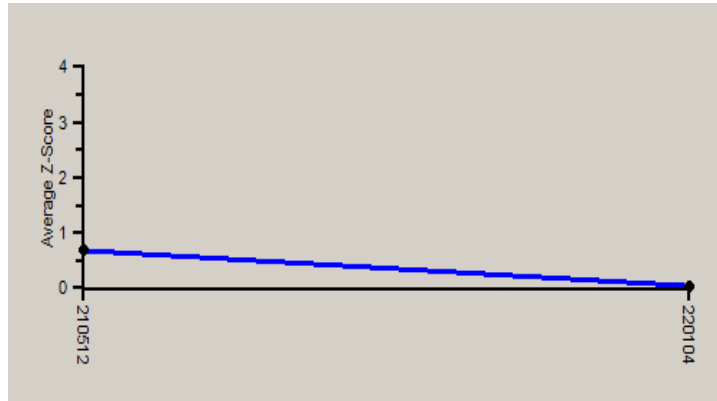
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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, 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	--

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 : 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, 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	--	--	--

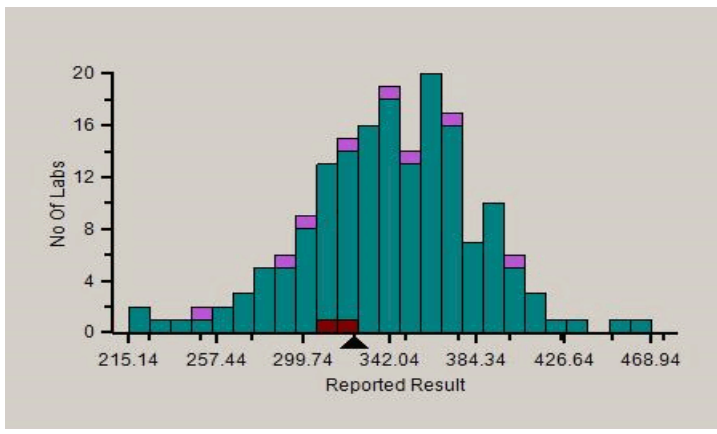
Evaluation Based On - Equipment wise Peer Grouping

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

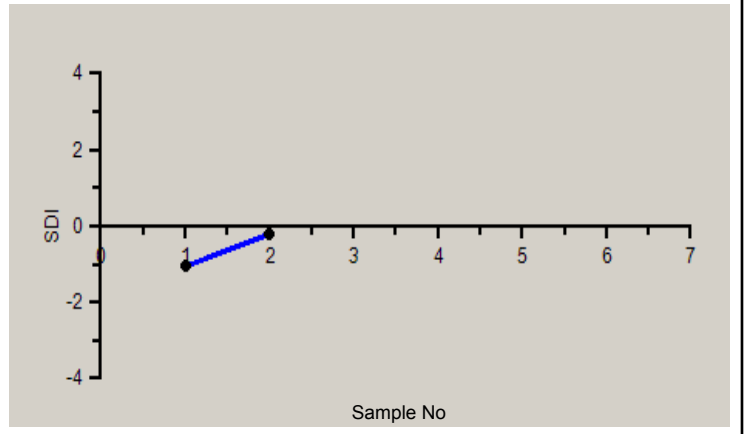
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

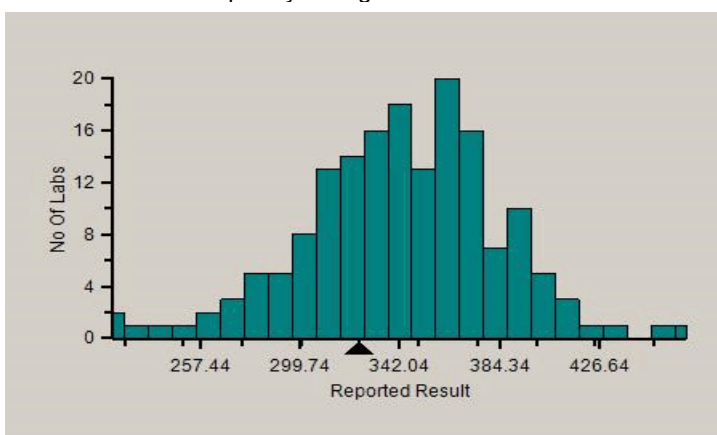
Frequency Histogram



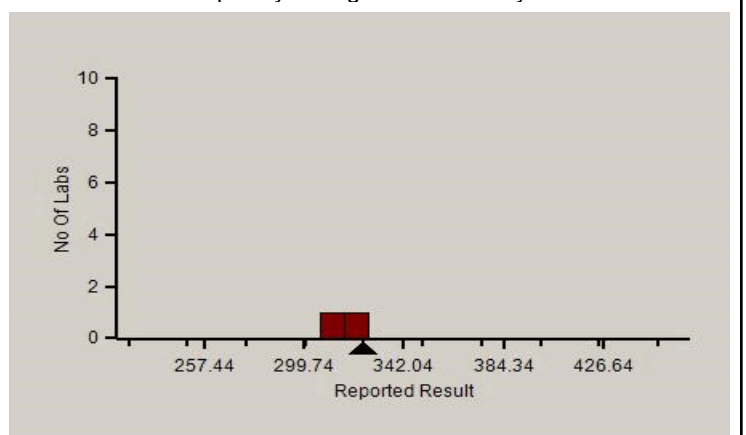
Z-Score Trend - Within Round



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, Platelet Count

		N	Mean	SD	CV%	Excluded
	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

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 : 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, 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

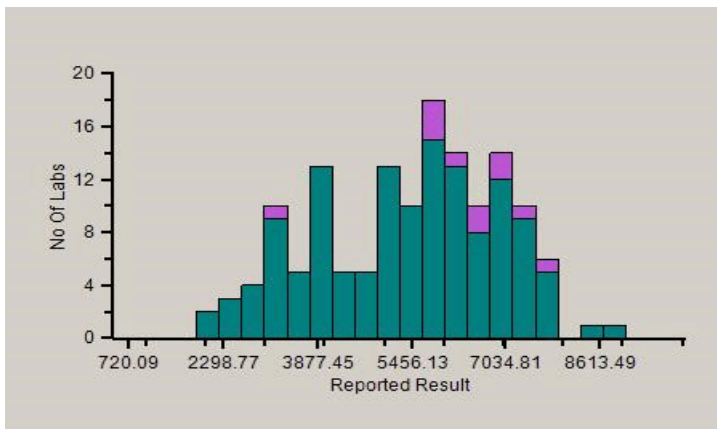
Evaluation Based On - Equipment wise Peer Grouping

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

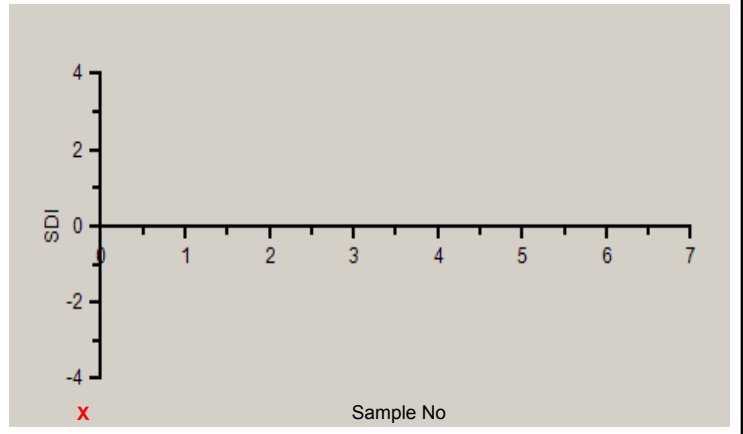
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

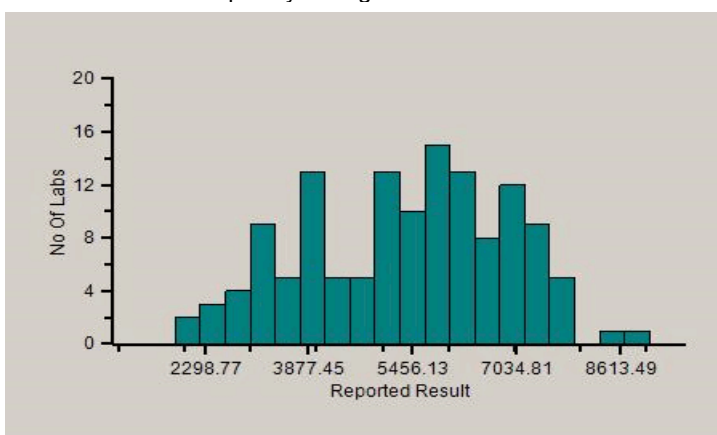
Frequency Histogram



Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



Analyte Methodwise Result Report

Lab : 455

Cycle No : 220104

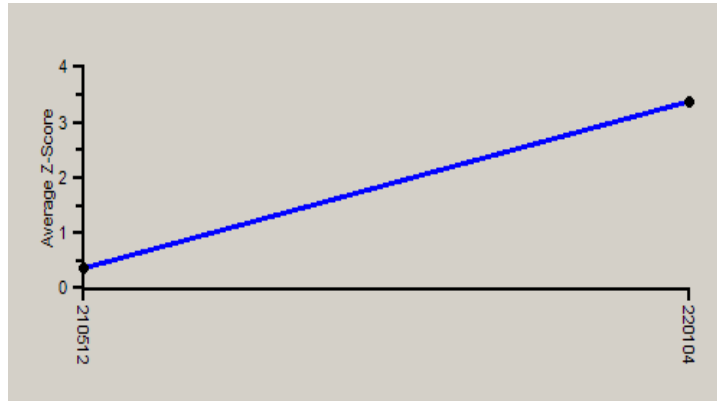
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR

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

Dr Puneet Kumar Nigam

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



PC-1022

10. Outlier

Sr.No.	Date	Product /Prospective Non-confirmation	SD value of IQC result	Root cause		Corrective/ Preventive Action				Responsible Person	CA/PA closed on date	Follow up for effectiveness of CA/PA taken	QM Sign
				Instrument function checks	Technical Error in IQC Specimen handling	Repeat Run (Within range or not)	Calibration and repeat IQC	ILCP	Others				
(1)	30/4/22	wire	~	OK	No	-NA-	-NA-	-NA-	-NA-	Typing error	kanishk 30/4/22	Good	Mehra
		result								error			
		entry								error			
		showed								found			
		typing error								Resolved			
		↓								↓			
		Z score not generated								showed satisfactory result.			

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: _____

MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR (455)

Outlier And Analyte Summary Report

Result Details For Cycle No 210103 and Sample No 02

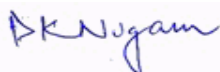
Report Date : 19/03/2021

Instrument : ERBA H 360

Analyte	StandardUnit	Result Value	Mean	Z-Score	RMZ
@ Eosinophils Differential.	%	5.00	--	0.00	0.00
@ Erythrocyte (RBC) Count.	mill/cu.mm	2.15	--	-0.19	0.15
@ Haemoglobin.	g/dL	6.00	--	0.00	0.09
@ Lymphocytes Differential.	%	33.00	--	0.06	-0.08
@ MCH (Mean Corpuscular Hb).	pg	27.90	--	0.42	0.19
@ MCHC (Mean Corpuscular Hb Concentration).	g/dL	30.60	--	1.77	0.90
@ MCV (Mean Corpuscular Volume).	fL	91.20	--	-0.54	-0.09
@ Neutrophils Differential.	%	61.00	--	0.07	0.07
@ Platelet Count.	1000/ μ L	394.00	--	0.47	0.21
@ Total Leucocytes (WBC) count.	/c.mm	4180.00	--	-0.23	-0.23

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.

Total Parameters	10
Not Evaluated Parameters	0
Evaluated Parameters	10
Outlier Parameters (X)	0
EQAS Score Haematology - CBC WB	100.00 %



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

End of Report

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: _____

MEDICENTRE SONOGRAPHY & CLINICAL LAB, DUNGERPUR (455)

Outlier And Analyte Summary Report

Result Details For Cycle No 210103 and Sample No 01

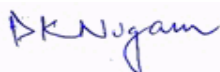
Report Date : 19/03/2021

Instrument : ERBA H 360

Analyte	StandardUnit	Result Value	Mean	Z-Score	RMZ
@ Eosinophils Differential.	%	6.00	--	0.00	0.00
@ Erythrocyte (RBC) Count.	mill/cu.mm	2.73	--	0.48	0.15
@ Haemoglobin.	g/dL	6.90	--	0.17	0.09
@ Lymphocytes Differential.	%	32.00	--	-0.21	-0.08
@ MCH (Mean Corpuscular Hb).	pg	25.40	--	-0.05	0.19
@ MCHC (Mean Corpuscular Hb Concentration).	g/dL	28.70	--	0.03	0.90
@ MCV (Mean Corpuscular Volume).	fL	88.40	--	0.36	-0.09
@ Neutrophils Differential.	%	58.00	--	0.07	0.07
@ Platelet Count.	1000/ μ L	305.00	--	-0.06	0.21
@ Total Leucocytes (WBC) count.	/c.mm	3010.00	--	-0.23	-0.23

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.

Total Parameters	10
Not Evaluated Parameters	0
Evaluated Parameters	10
Outlier Parameters (X)	0
EQAS Score Haematology - CBC WB	100.00 %



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

End of Report