

**Analyte Methodwise Result Report**

Lab : 456

Cycle No : 220309

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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	--
Hydrodynamic focussing with direct current - (Your Method)	9	1.26	0.04	2.78	--
Sysmex XS 800 I - (Your Analyzer)	2	1.30	--	--	--

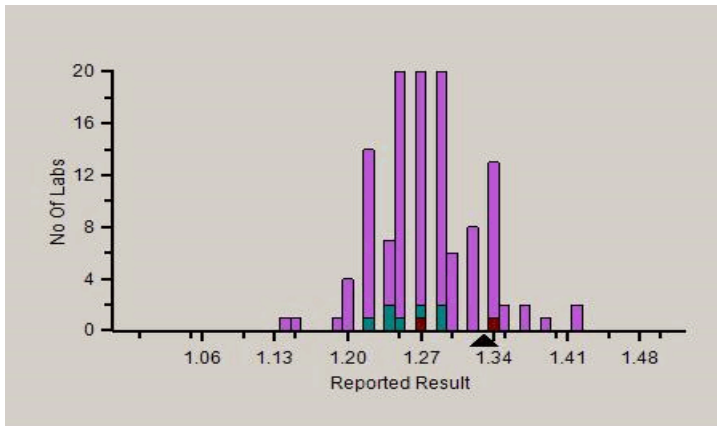
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	1.33	SDI / z-Score	1.12
Assigned Value	1.27	Average SDI	0.79
SDPA	0.050	Uncertainty of AV	0.01
Standard Unit Result Val	1.33	%DEV	5.56

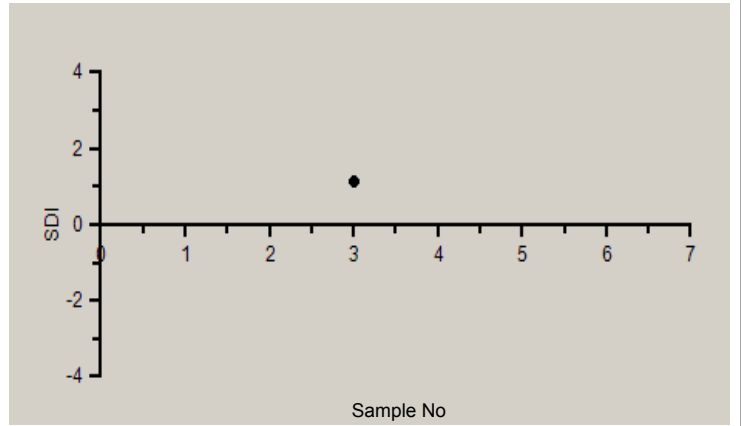
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

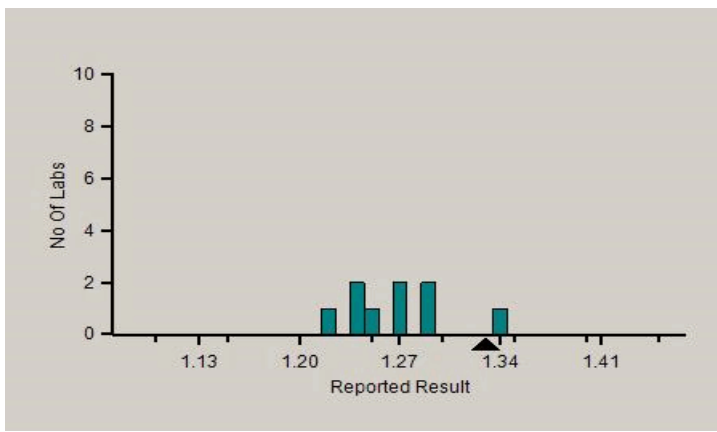
Frequency Histogram



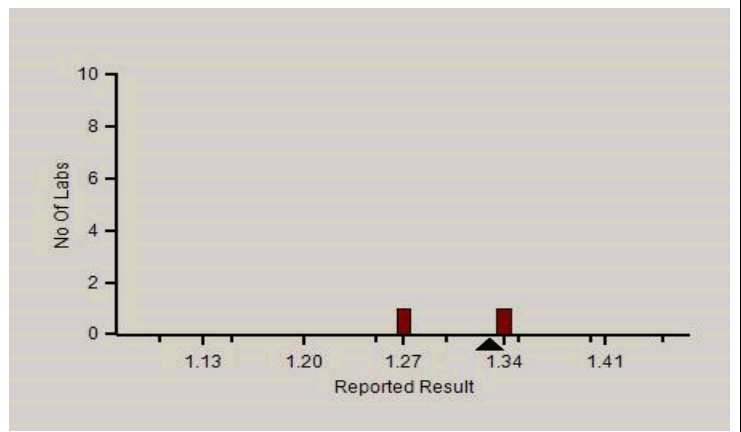
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Lab : 456

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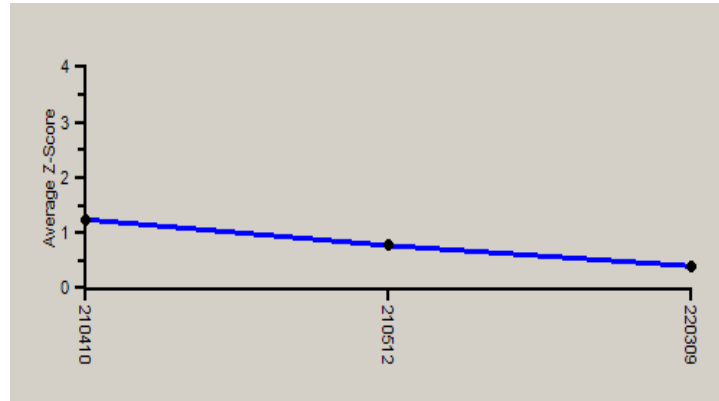
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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	--
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>1.30</b>	--	--	--
	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

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

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

- a) Reported on 2 samples:
  - Two out of two pass - Acceptable performance
  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass - Acceptable performance
  - Two out of three pass - Review for random error & take action if appropriate
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Lab : 456

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Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

**Haematology - CBC, Haemoglobin, g/dL**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	134	3.15	0.28	8.72	--
SLS - (Your Method)	11	3.30	0.22	6.52	--
Sysmex XS 800 I - (Your Analyzer)	2	3.35	--	--	--

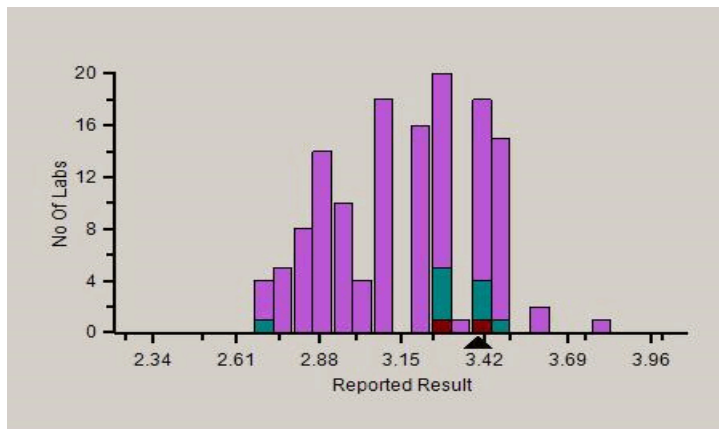
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	3.40	SDI / z-Score	0.24
Assigned Value	3.37	Average SDI	0.62
SDPA	0.107	Uncertainty of AV	0.03
Standard Unit Result Val	3.40	%DEV	3.09

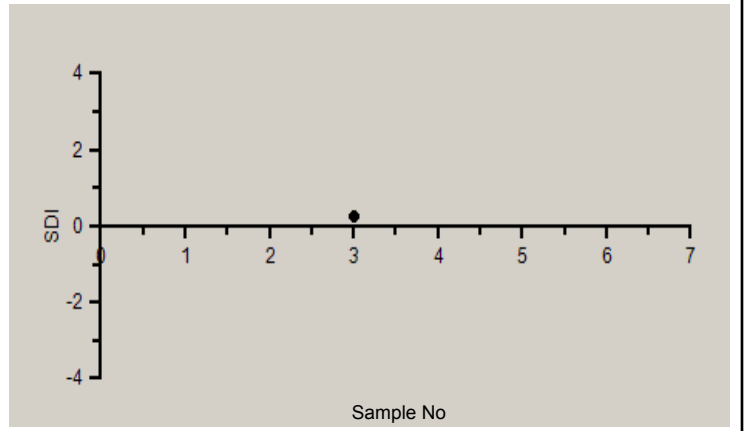
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

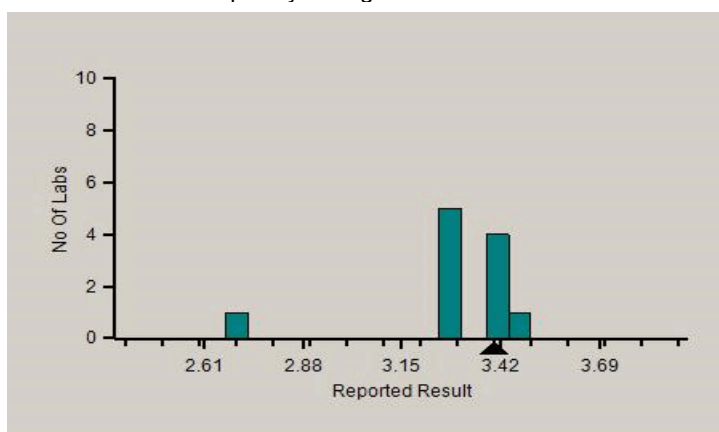
Frequency Histogram



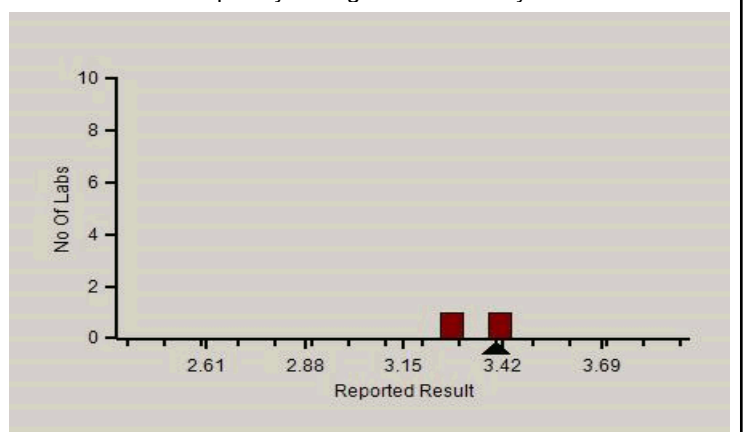
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



**Analyte Methodwise Result Report**

Lab : 456

Cycle No : 220309

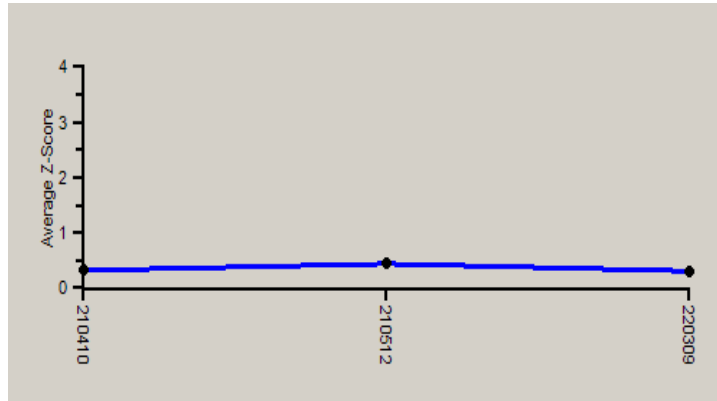
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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	--
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>3.35</b>	--	--	--
	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

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Interpretation when an analyte is reported for multiple samples in a Round:

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Lab : 456

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Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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
System XS 800 I - (Your Analyzer)	2	25.90	--	--	--

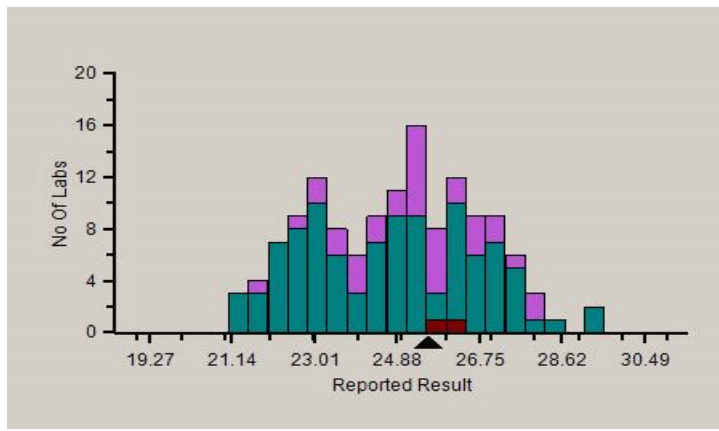
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	25.60	SDI / z-Score	-0.70
Assigned Value	26.34	Average SDI	-0.18
SDPA	1.058	Uncertainty of AV	0.25
Standard Unit Result Val	25.60	%DEV	3.35

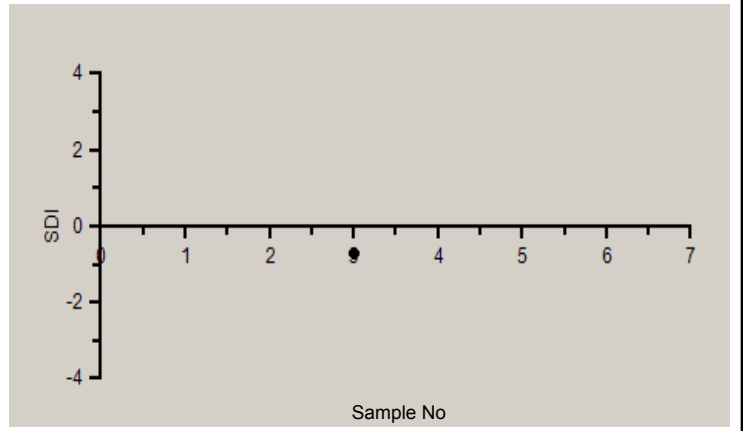
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

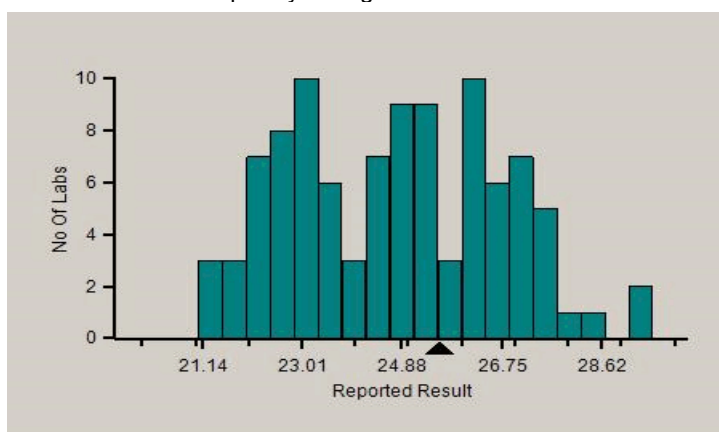
Frequency Histogram



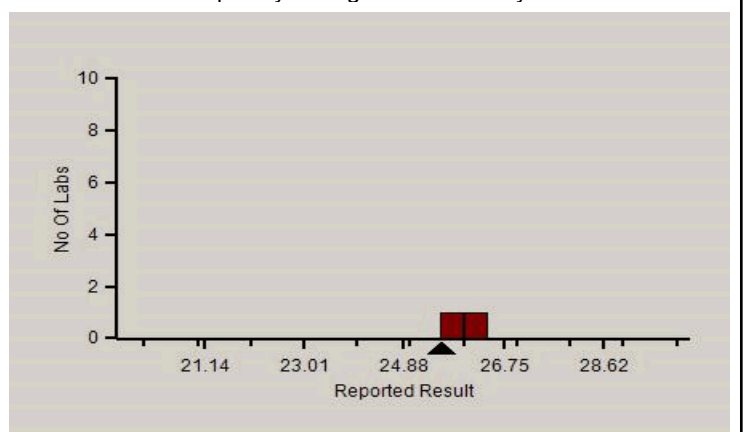
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Cycle No : 220309

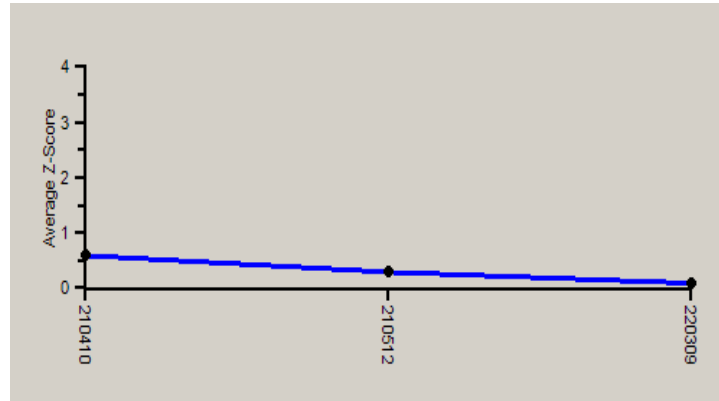
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>25.90</b>	--	--	--
	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

- If your SDI lies between +/- 2.0 SDI then your results are well within limits.
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Sample No : 3

Report Date : 10/12/2022

Sample Date : 30-09-2022

**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
System XS 800 I - (Your Analyzer)	2	20.90	--	--	--

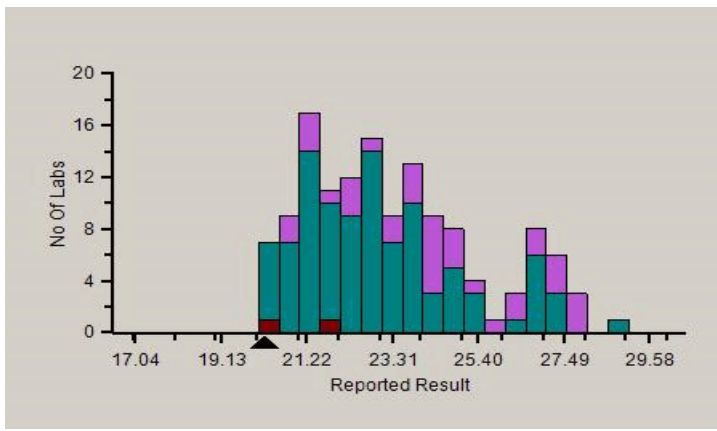
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	20.20	SDI / z-Score	-2.38
Assigned Value	23.05	Average SDI	-2.15
SDPA	1.199	Uncertainty of AV	0.29
Standard Unit Result Val	20.20	%DEV	-12.04

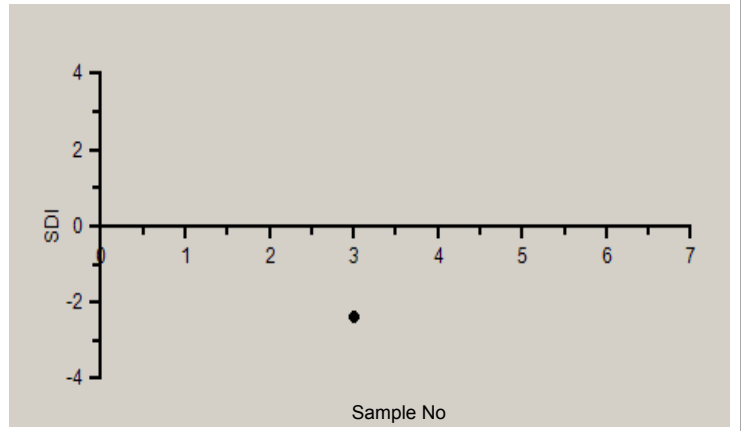
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

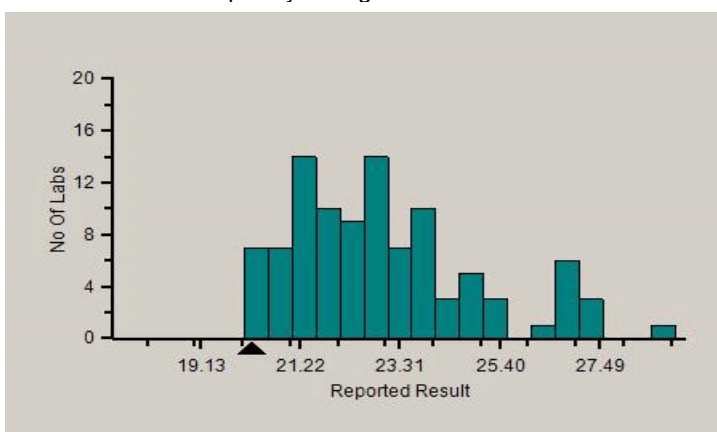
Frequency Histogram



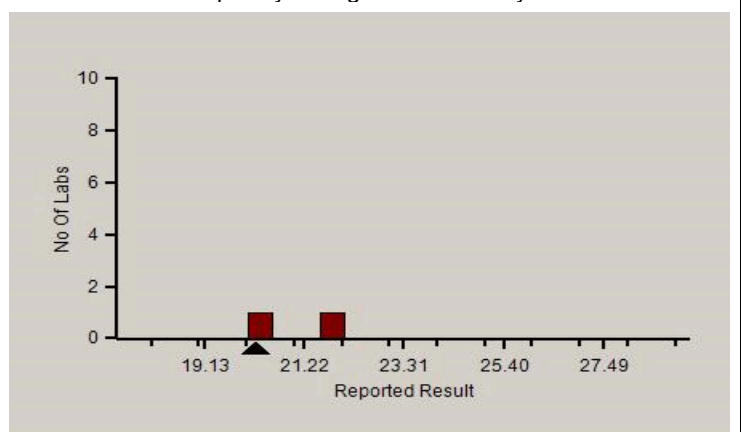
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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Cycle No : 220309

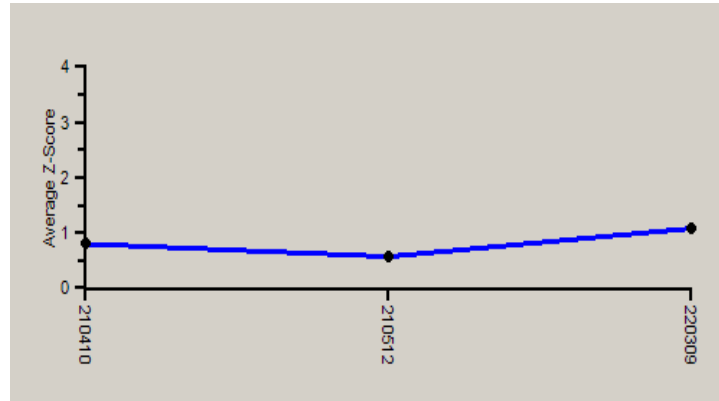
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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, MCHC (Mean Corpuscular Hb Concentration)**

		N	Mean	SD	CV%	Excluded
	All Analyzer	134	23.35	2.11	9.02	1
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>20.90</b>	--	--	--
	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

Report Date : 10/12/2022

Sample Date : 30-09-2022

**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	--
System XS 800 I - (Your Analyzer)	2	121.00	--	--	--

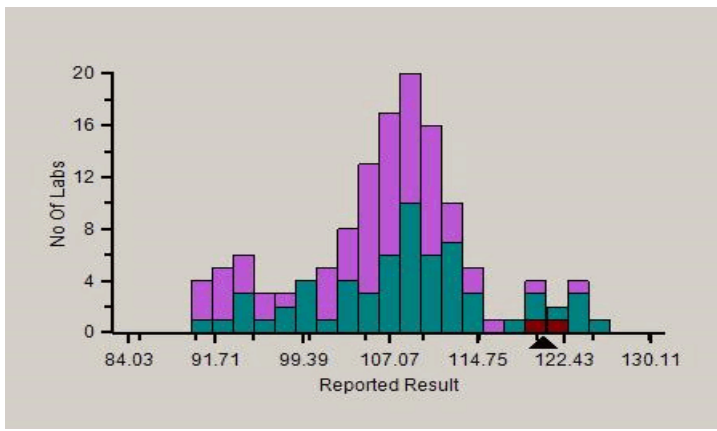
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	120.60	SDI / z-Score	0.89
Assigned Value	114.60	Average SDI	0.87
SDPA	6.762	Uncertainty of AV	1.63
Standard Unit Result Val	120.60	%DEV	10.97

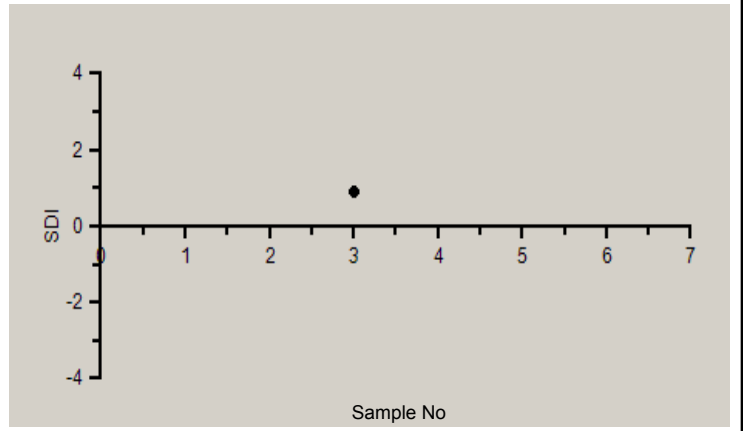
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

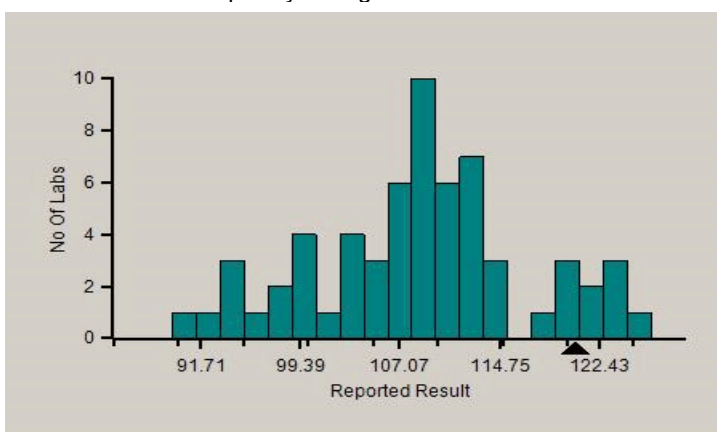
Frequency Histogram



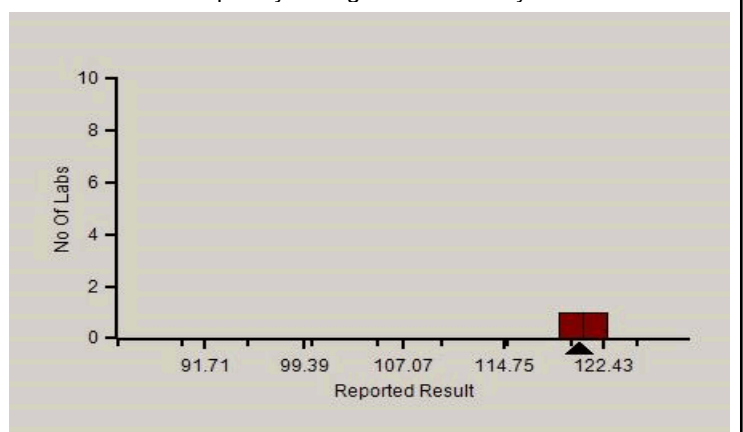
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



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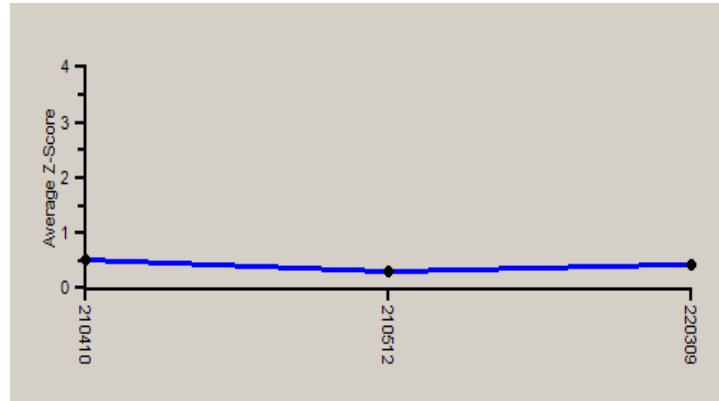
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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, MCV (Mean Corpuscular Volume)**

		N	Mean	SD	CV%	Excluded
	All Analyzer	134	107.05	7.76	7.25	2
<b>Your Analyzer :</b>	<b>Symex XS 800 I</b>	<b>2</b>	<b>121.00</b>	--	--	--
	Beckman Coulter DxH 500	25	106.48	2.32	2.17	--
	Symex 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

Report Date : 10/12/2022

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**Haematology - CBC, Platelet Count, 1000/  $\mu$ L**

**Comparative Statistics**

	N	Mean	SD	CV%	Excluded
All Methods	134	608.99	574.86	94.40	18
Hydrodynamic focussing with direct current - (Your Method)	7	33.83	3.19	9.43	1
Sysmex XS 800 I - (Your Analyzer)	2	34.50	--	--	--

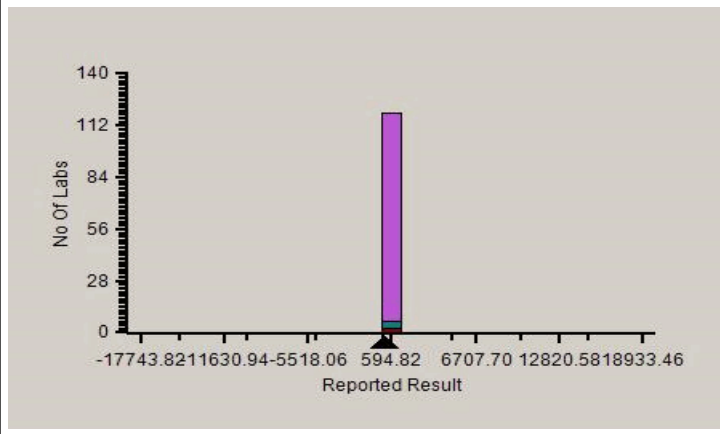
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	38.00	SDI / z-Score	1.17
Assigned Value	32.86	Average SDI	0.24
SDPA	4.384	Uncertainty of AV	1.07
Standard Unit Result Val	38.00	%DEV	12.32

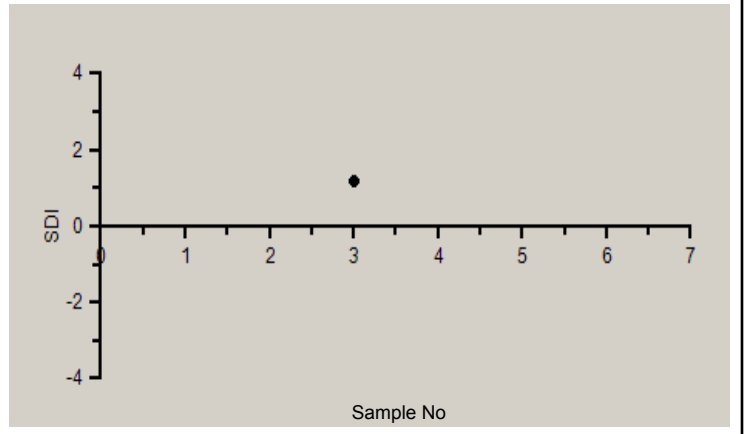
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X : SDI more than 4

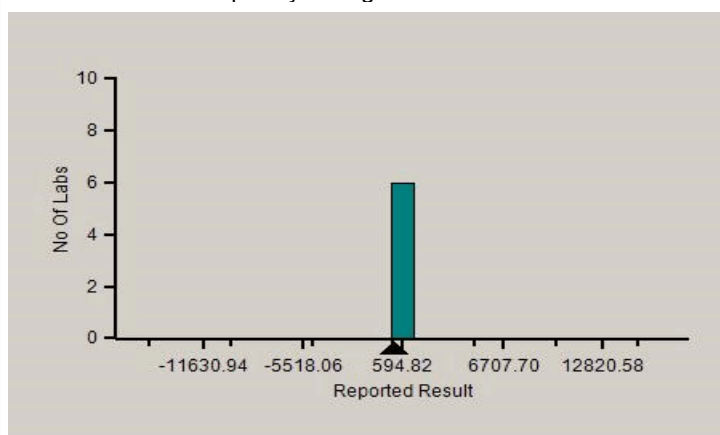
Frequency Histogram



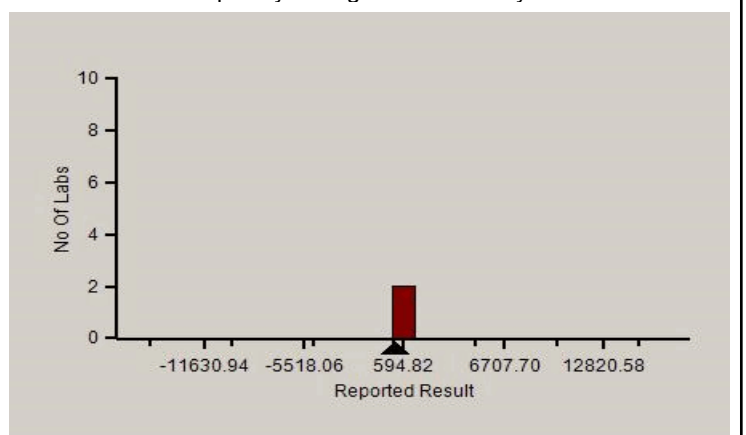
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

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Cycle No : 220309

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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, Platelet Count**

		N	Mean	SD	CV%	Excluded
	All Analyzer	134	36.65	6.40	17.47	18
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>34.50</b>	--	--	--
	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

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  - One out of two pass - Review for random error & take action if appropriate
  - Both failed - Unacceptable performance, Review for systematic error
- 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 : 456

Cycle No : 220309

Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

Sample No : 3

Report Date : 10/12/2022

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
Flow cytometry - (Your Method)	15	1,483.08	225.03	15.17	2
Sysmex XS 800 I - (Your Analyzer)	2	1,540.00	--	--	--

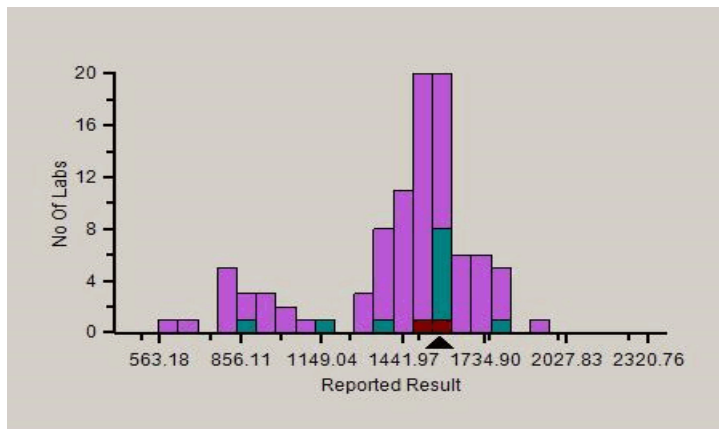
**Evaluation Based On - Equipment wise Peer Grouping**

Your Result	1,570.00	SDI / z-Score	0.16
Assigned Value	1,550.56	Average SDI	-0.26
SDPA	121.143	Uncertainty of AV	30.91
Standard Unit Result Val	1570.00	%DEV	5.86

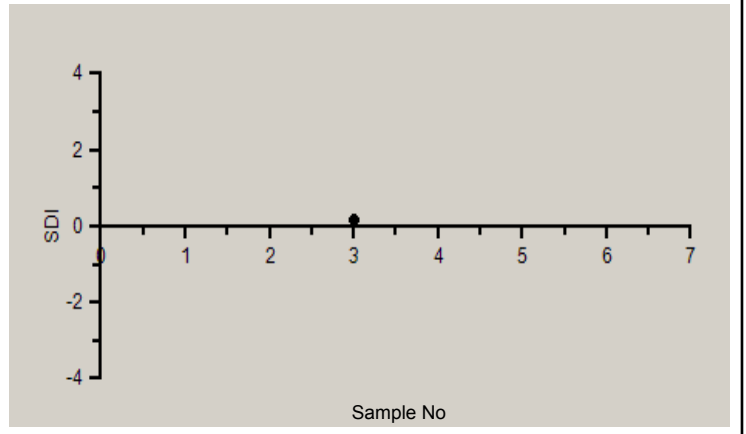
Note : # - Not evaluated / Bimodal distribution

X : SDI more than 4

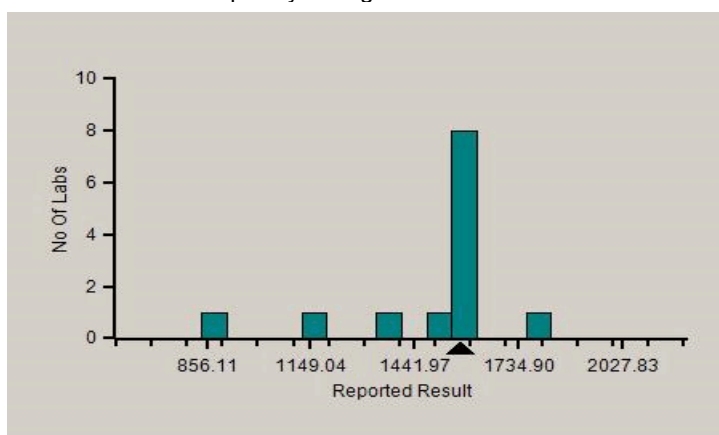
Frequency Histogram



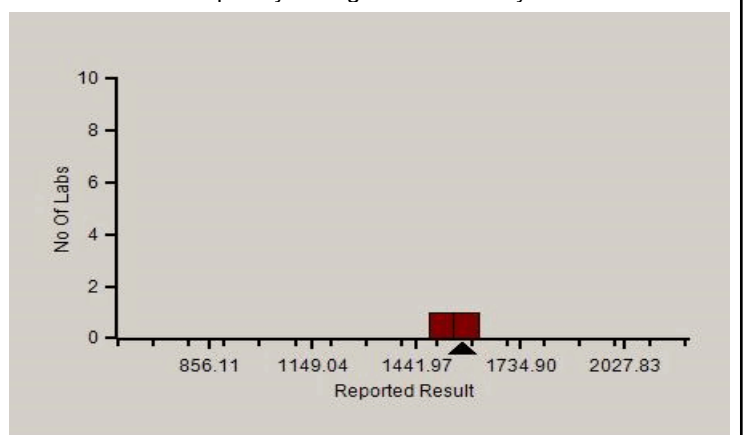
Z-Score Trend - Within Round



Frequency Histogram Your Method



Frequency Histogram Your Analyzer



PC-1022

**Analyte Methodwise Result Report**

Lab : 456

Cycle No : 220309

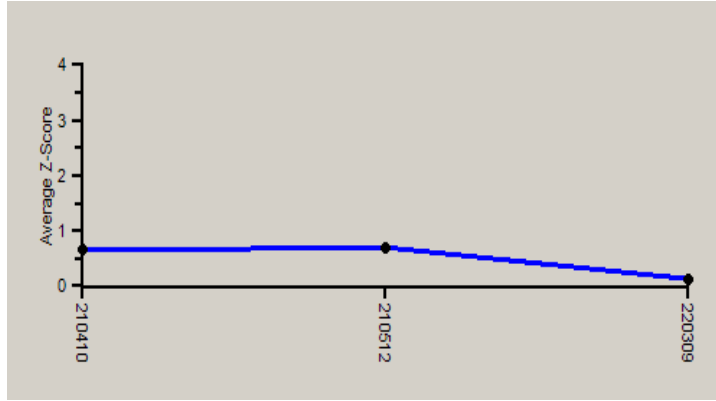
Lab Name : MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA

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, Total Leucocytes (WBC) count**

		N	Mean	SD	CV%	Excluded
	All Analyzer	133	1,441.97	292.93	20.32	16
<b>Your Analyzer :</b>	<b>Sysmex XS 800 I</b>	<b>2</b>	<b>1,540.00</b>	--	--	--
	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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