Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Biochemistry, Bilirubin Direct, mg/dl

Comparative Statistics	N	Mean	SD	CV%	Excluded
All Methods	277	0.10	0.04	33.65	13
Diazotization - (Your Method)	205	0.10	0.03	31.37	6
Mindray BS-240 - (Your Analyzer)	3	0.12	0.02	14.17	0

Evaluation Based On - Equipment wise Peer Grouping			
Your Result	0.13	SDI / z-Score	0.82
Assigned Value	0.10	Average SDI	0.26
SDPA	0.034	Uncertainity of AV	0.01
Standard Unit Result Val	0.13	%DEV	27.45

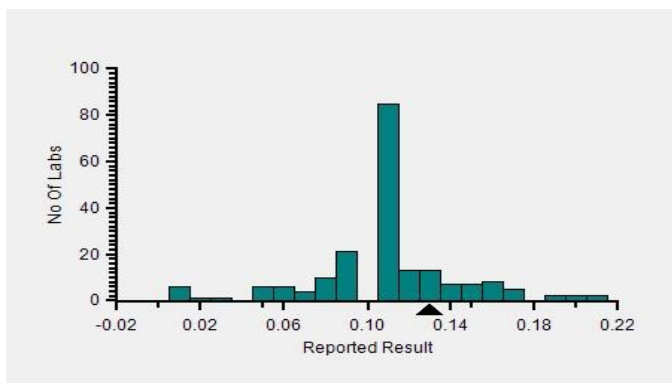Note : # - Not evaluated / Bimodal distribution
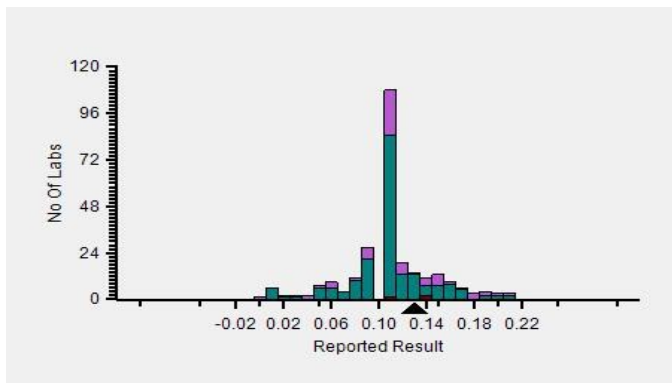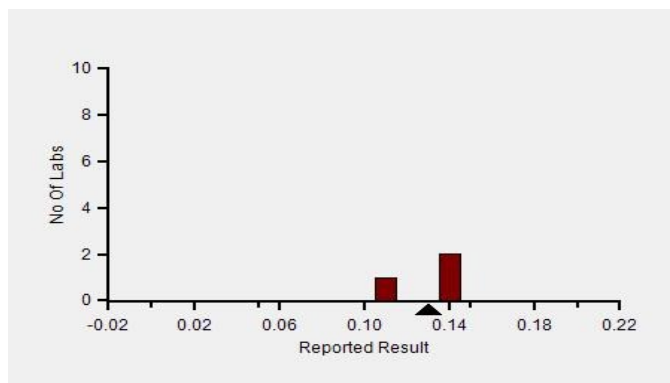
X : SDI more than 4

Frequency Histogram

Z-Score Trend - Within Round

Frequency Histogram Your Method

Frequency Histogram Your Analyzer

PC-1022

Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Cycle No : 230104

Sample No : 02

Sample Date : 14/04/2023

Frequency Histogram Your Method

Note :   SDI with * marked are not considered for evaluation

Comments :
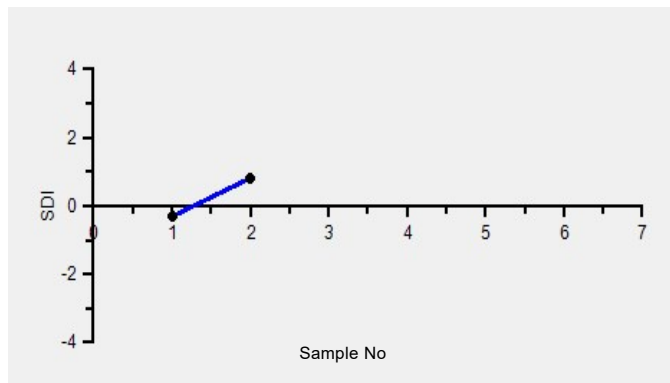
Biochemistry, Bilirubin Direct		N	Mean	SD	CV%	Excluded
	All Analyzer	277	0.10	0.04	33.65	13
Your Analyzer :	**Mindray BS-240**	**3**	**0.12**	**0.02**	**14.17**	**–**
	Fuji Dri-Chem NX500/i	34	0.10	0.03	29.59	1
	Erba EM 200	32	0.10	0.04	38.78	1
	Roche cobas c 311	30	0.11	0.04	38.53	–
	Roche cobas c 111	20	0.12	0.02	14.78	–
	Fuji Dri-Chem 4000i	15	0.10	0.00	0.00	–
	Roche cobas INTEGRA	14	0.09	0.01	9.57	–
	Fuji Dri-Chem NX600	14	0.10	0.00	0.00	–

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

        • One out of three pass   - Unacceptable performance, Review for systematic error

        • All failed   - Unacceptable performance, Review for systematic error

PC-1022

METROPOLIS EQASPLUS
PROFICIENCY. TRAINING. EXCELLENCE

Lab : 887	**Cycle No : 230104**
Lab Name : HEER CLINICAL LABORATORY	**Sample No : 02**
Report Date : 19/05/2023	**Sample Date : 14/04/2023**

Biochemistry, Bilirubin Total, mg/dl

Comparative Statistics	N	Mean	SD	CV%	Excluded
🟪 All Methods	278	0.25	0.11	44.05	11
🟩 Diazotization - (Your Method)	102	0.25	0.09	34.41	3
🟥 Mindray BS-240 - (Your Analyzer)	4	0.22	0.01	3.64	0

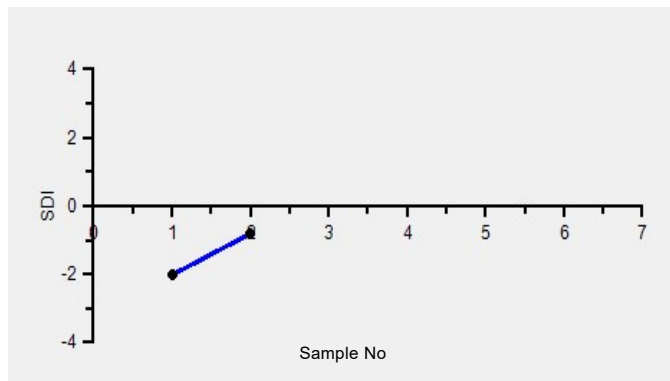| Evaluation Based On - Equipment wise Peer Grouping			
Your Result	0.21	**SDI / z-Score**	-0.81
Assigned Value	0.26	**Average SDI**	-1.42
SDPA	0.067	**Uncertainty of AV**	0.02
Standard Unit Result Val	0.21	**%DEV**	-14.98

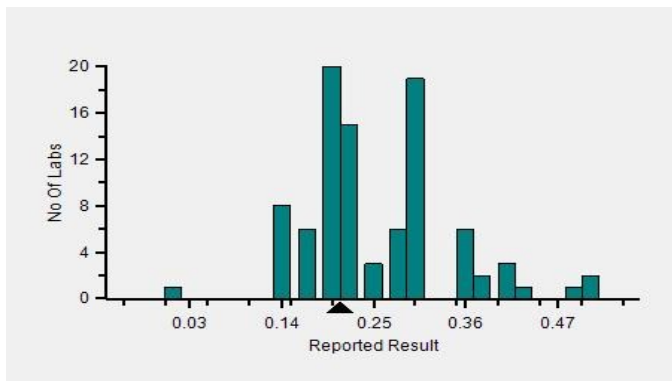Note : # - Not evaluated / Bimodal distribution
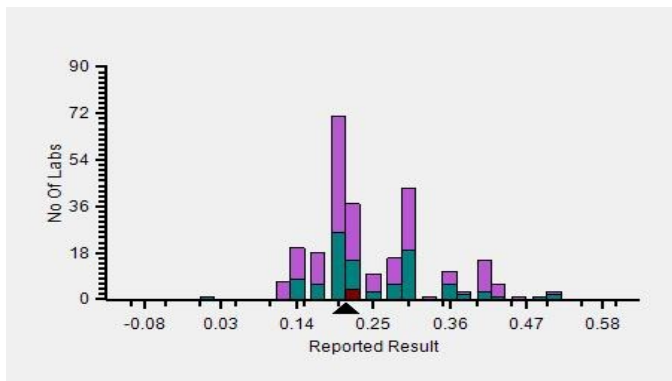
X : SDI more than 4

Frequency Histogram
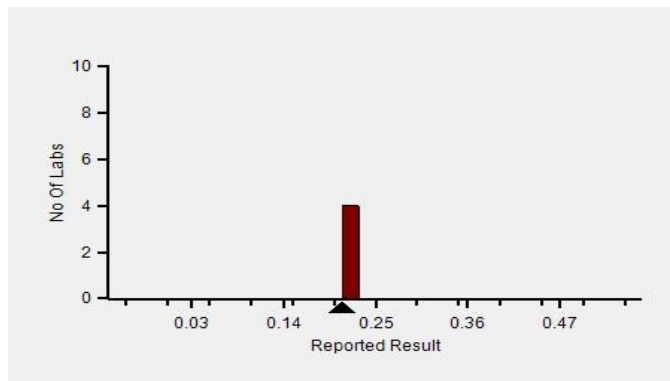

Z-Score Trend - Within Round

Frequency Histogram Your Method

Frequency Histogram Your Analyzer

Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Cycle No : 230104

Sample No : 02

Sample Date : 14/04/2023

Frequency Histogram Your Method

Note :   SDI with * marked are not considered for evaluation

Comments :

Biochemistry, Bilirubin Total

		N	Mean	SD	CV%	Excluded
	All Analyzer	278	0.25	0.11	44.05	11
Your Analyzer :	**Mindray BS-240**	**4**	**0.22**	**0.01**	**3.64**	–
	Fuji Dri-Chem NX500/i	34	0.30	0.10	31.67	1
	Erba EM 200	33	0.23	0.07	31.14	1
	Roche cobas c 311	30	0.18	0.04	20.57	–
	Roche cobas c 111	20	0.20	0.05	24.62	–
	Fuji Dri-Chem 4000i	15	0.30	0.07	21.67	–
	Roche cobas INTEGRA	14	0.19	0.04	20.21	–
	Fuji Dri-Chem NX600	14	0.29	0.05	18.53	–

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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Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Biochemistry, Calcium, mg/dl

Comparative Statistics	N	Mean	SD	CV%	Excluded
🟪 All Methods	257	8.49	0.71	8.35	7
🟩 Arsenazo III - (Your Method)	112	8.82	0.72	8.19	4
🟥 Mindray BS-240 - (Your Analyzer)	4	9.27	0.58	6.22	0

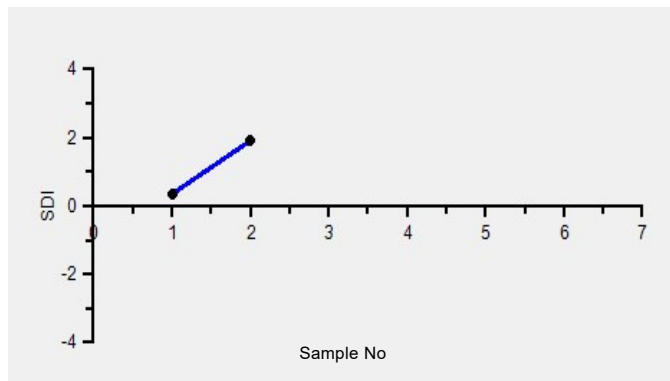| Evaluation Based On - Equipment wise Peer Grouping			
Your Result	10.10	SDI / z-Score	1.91
Assigned Value	8.80	Average SDI	1.13
SDPA	0.683	Uncertainity of AV	0.20
Standard Unit Result Val	10.10	%DEV	14.58

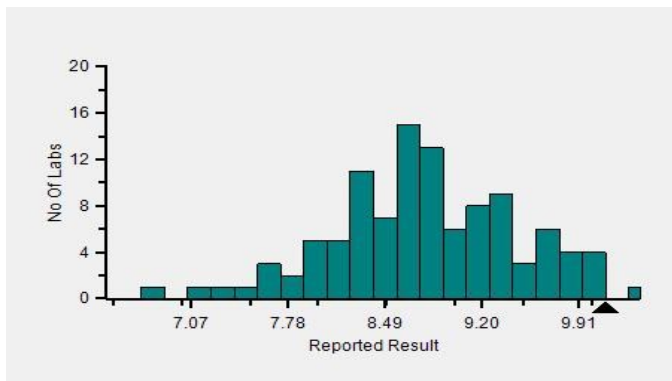Note :   # - Not evaluated / Bimodal distribution
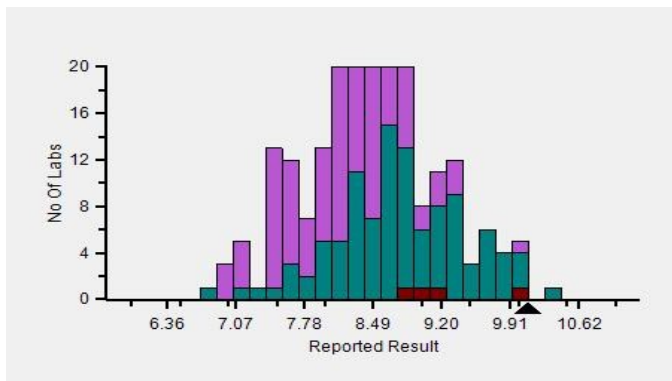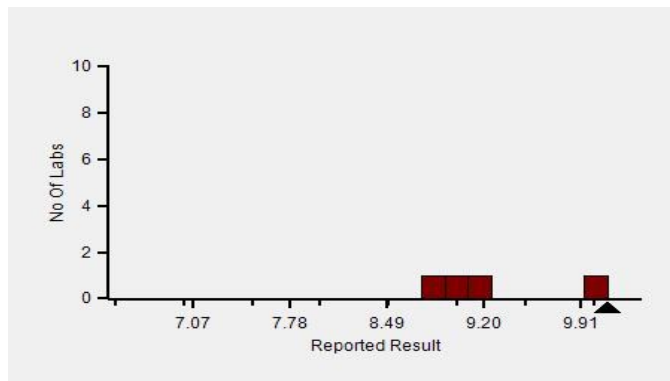
X : SDI more than 4

Frequency Histogram

Z-Score Trend - Within Round

Frequency Histogram Your Method

Frequency Histogram Your Analyzer

PC-1022

METROPOLIS EQASPLUS
PROFICIENCY. TRAINING. EXCELLENCE.

Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Cycle No : 230104

Sample No : 02

Sample Date : 14/04/2023

Frequency Histogram Your Method

Note :   SDI with * marked are not considered for evaluation

Comments :

Biochemistry, Calcium

		N	Mean	SD	CV%	Excluded
	All Analyzer	257	8.49	0.71	8.35	7
Your Analyzer :	**Mindray BS-240**	**4**	**9.27**	**0.58**	**6.22**	–
	Fuji Dri-Chem NX500/i	33	7.72	0.59	7.69	1
	Roche cobas c 311	31	8.55	0.28	3.29	–
	Erba EM 200	28	8.99	0.65	7.24	1
	Roche cobas c 111	16	8.59	0.48	5.62	–
	Fuji Dri-Chem NX600	15	7.78	0.35	4.46	–
	Fuji Dri-Chem 4000i	13	7.96	0.33	4.18	–
	Roche cobas INTEGRA	13	8.39	0.14	1.65	–

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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Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Cycle No : 230104

Sample No : 02

Sample Date : 14/04/2023

Biochemistry, Chloride, mmol/L

Comparative Statistics	N	Mean	SD	CV%	Excluded
🟪 All Methods	248	99.79	5.11	5.12	4
🟩 ISE indirect - (Your Method)	65	97.41	4.73	4.85	0
🟥 Sensa Core ST100 - (Your Analyzer)	1	--	--	--	0

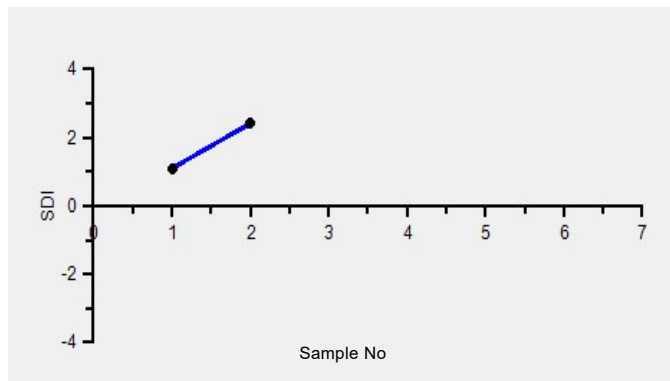| Evaluation Based On - Method wise Peer Grouping			
Your Result	108.60	SDI / z-Score	2.42
Assigned Value	97.48	Average SDI	1.76
SDPA	4.586	Uncertainity of AV	0.69
Standard Unit Result Val	108.60	%DEV	11.49

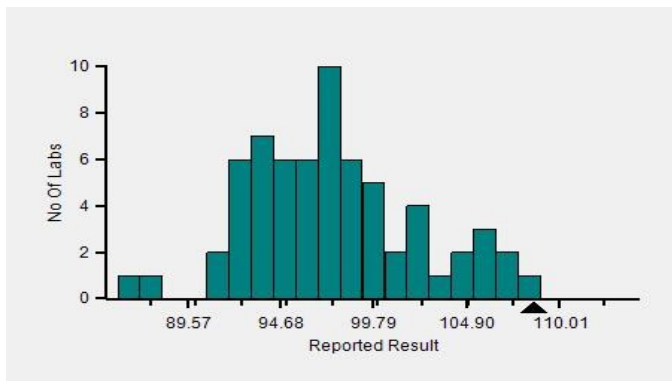Note :   # - Not evaluated / Bimodal distribution
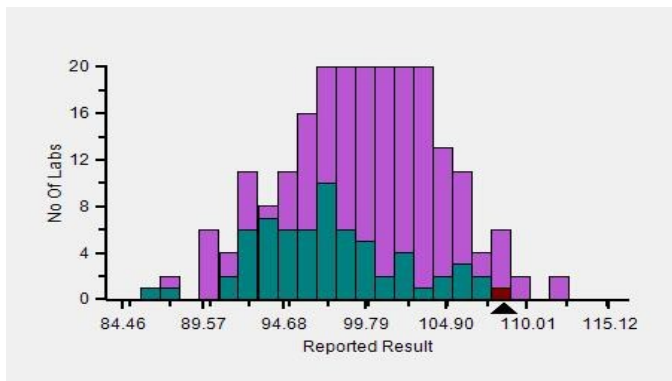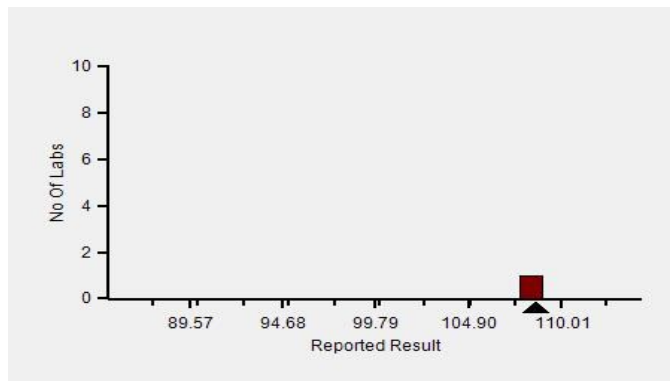
X : SDI more than 4

Frequency Histogram

Z-Score Trend - Within Round

Frequency Histogram Your Method

Frequency Histogram Your Analyzer

PC-1022

Lab : 887

Lab Name : HEER CLINICAL LABORATORY

Report Date : 19/05/2023

Cycle No : 230104

Sample No : 02

Sample Date : 14/04/2023

Frequency Histogram Your Method

Note :   SDI with * marked are not considered for evaluation

Comments :

Biochemistry, Chloride

		N	Mean	SD	CV%	Excluded
	All Analyzer	248	99.79	5.11	5.12	4
Your Analyzer :	**Sensa Core ST100**	**1**	**–**	**–**	**–**	**–**
	Fuji Dri-Chem NX500/i	32	99.41	3.64	3.66	–
	Roche cobas c 311	23	96.84	5.74	5.92	–
	Fuji Dri-Chem 4000i	17	97.94	3.31	3.38	–
	Roche AVL 9180	17	98.88	7.51	7.59	1
	Fuji Dri-Chem NX600	17	98.38	1.91	1.94	–
	EasyLyte	12	102.79	4.37	4.26	1
	Roche cobas 6000	8	93.83	3.42	3.64	–

Remarks: Interpretation of your reports

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

     b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.

     c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

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

     a) Reported on 2 samples:

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         • 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

METROPOLIS EQASPLUS — PROFICIENCY. TRAINING. EXCELLENCE.

Lab : 887	**Cycle No : 230104**
Lab Name : HEER CLINICAL LABORATORY	**Sample No : 02**
Report Date : 19/05/2023	**Sample Date : 14/04/2023**

Biochemistry, Cholesterol, mg/dl

Comparative Statistics	N	Mean	SD	CV%	Excluded
■ All Methods	277	161.35	11.15	6.91	5
■ CHOD-PAP - (Your Method)	71	159.14	11.02	6.93	1
■ Mindray BS-240 - (Your Analyzer)	4	165.84	8.45	5.10	0

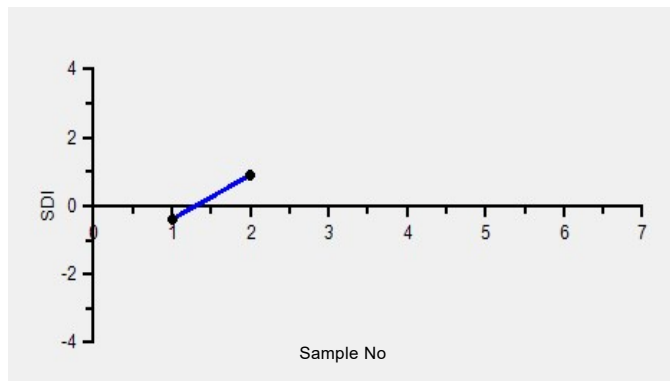| Evaluation Based On - Equipment wise Peer Grouping			
Your Result	176.36	**SDI / z-Score**	0.91
Assigned Value	166.88	**Average SDI**	0.26
SDPA	10.374	**Uncertainity of AV**	1.93
Standard Unit Result Val	176.36	**%DEV**	10.82

Note :   # - Not evaluated / Bimodal distribution
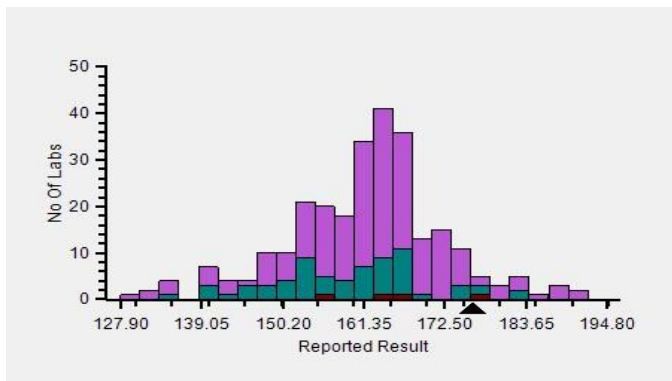
          X : SDI more than 4
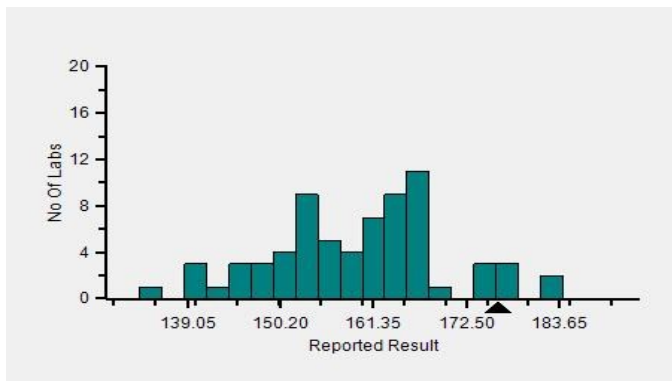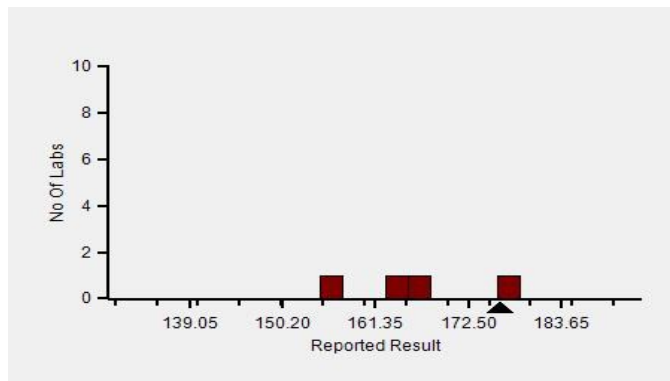

Frequency Histogram

Z-Score Trend - Within Round

Frequency Histogram Your Method

Frequency Histogram Your Analyzer

PC-1022

METROPOLIS EQASPLUS
PROFICIENCY. TRAINING. EXCELLENCE

Lab : 887	**Cycle No : 230104**
Lab Name : HEER CLINICAL LABORATORY	**Sample No : 02**
Report Date : 19/05/2023	**Sample Date : 14/04/2023**

Frequency Histogram Your Method

Note : SDI with * marked are not considered for evaluation

Comments :

Biochemistry, Cholesterol

		N	Mean	SD	CV%	Excluded
	All Analyzer	277	161.35	11.15	6.91	5
Your Analyzer :	**Mindray BS-240**	**4**	**165.84**	**8.45**	**5.10**	**–**
	Fuji Dri-Chem NX500/i	33	159.63	13.11	8.21	–
	Erba EM 200	32	158.64	9.10	5.74	1
	Roche cobas c 311	31	165.09	7.66	4.64	1
	Roche cobas c 111	21	166.37	10.53	6.33	1
	Fuji Dri-Chem 4000i	14	160.22	7.85	4.90	–
	Roche cobas INTEGRA	14	162.24	5.15	3.18	–
	Fuji Dri-Chem NX600	13	163.08	5.47	3.35	–

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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