

Exceptions

Analyte	Instrument	Result	Unit	Z-score	Comparator
▼ Albumin	Erba EM 200/XL-200	2.76	g/dL	-2.14	Peer
✗ Alkaline Phosphatase	Erba EM 200/XL-200	251	U/L	7.59	Peer
▼ AST/GOT	Erba EM 200/XL-200	89.5	U/L	2.19	Peer
✗ Calcium	Erba Chem 5/Chem 7	11.2	mg/dL	9.17	Method
✗ Phosphorus	Erba Chem 5/Chem 7	1.87	mg/dL	-13.6	Mode
▼ Potassium	SENSA CORE – ST-100/100B/100C /200	2.5	mEq/L	-2.02	Peer
▼ Protein, Total	Erba EM 200/XL-200	4.16	g/dL	-2.91	Peer

Legend: No Warnings Missing Result Late Results $2.0 \leq |Z\text{-score}| < 3.0$ $|Z\text{-score}| \geq 3.0$ * Amended Result (per participant's request)

EQAS News



Bio-Rad Laboratories is accredited to ISO/IEC 17043:2010. Refer to the User Guide for additional information on the EQAS Program, EQAS reports, their interpretation, statistics, and contact details.

Customer Information

Lab: 754498

**Attn: PRATHAP
 LEADS HEALTH CARE
 BIOCHEMISTRY
 3/38 DHARMAPALN BUILDING, KAINATTY
 NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
 WAYANAD KERALA 673122
 INDIA**



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Configuration Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020

Sample No: 6

Sample Date: 13 Jan 20

Lot No: 211700



Selected Options:

Data Input: Online
Report Receipt: QCNet
Subgroup Number: None

Instrument

1200 – Erba Chem 5/Plus

Analyte	Method	Reagent	Unit
031 AMYL	099 CNP-triose/CNPG3	0734 Reckon Diagnostics	56 U/L
042 CA	403 Arsenazo III	0734 Reckon Diagnostics	14 mg/dL
069 CK	004 Colorimetric	0006 Dedicated Reagent	56 U/L
140 PHOS	917 Phosphomolybdate method	0734 Reckon Diagnostics	14 mg/dL

Instrument

2011 – Erba EM 200

Analyte	Method	Reagent	Unit
007 ALB	583 Bromcresol Green (BCG)	0148 ERBA (Transasia)	15 g/dL
026 ALKP	363 PNPP, AMP Buffer	0006 Dedicated Reagent	56 U/L
020 ALT	138 UV without P5P	0006 Dedicated Reagent	56 U/L
034 AST	138 UV without P5P	0006 Dedicated Reagent	56 U/L
054 CHOL	667 Cholesterol oxidase, esterase, peroxidase	0148 ERBA (Transasia)	14 mg/dL
072 CREA	111 Enzymatic	0006 Dedicated Reagent	14 mg/dL
036 DBIL	683 Diazotization	0006 Dedicated Reagent	14 mg/dL
096 GLUC	717 Glucose oxidase, hydrogen peroxide (Trinder)	0148 ERBA (Transasia)	14 mg/dL
052 HDL	951 Direct measure-PEG	0148 ERBA (Transasia)	14 mg/dL
038 TBIL	952 Diazonium Ion	0006 Dedicated Reagent	14 mg/dL
144 TP	627 Biuret method	0148 ERBA (Transasia)	15 g/dL
168 TRIG	334 Enzymatic with glycerol blank	0899 Erba Mannheim XL System (Lachema)	14 mg/dL
160 UREA	317 Urease, colorimetric	0006 Dedicated Reagent	14 mg/dL
176 URIC	118 Uricase, colorimetric	0006 Dedicated Reagent	14 mg/dL

Instrument

3486 – Mindray CL-900i

Analyte	Method	Reagent	Unit
179 FT3	063 Chemiluminescence	1529 MINDRAY CL-i	01 pg/mL
183 FT4	063 Chemiluminescence	1529 MINDRAY CL-i	12 ng/dL
177 TSH	063 Chemiluminescence	1529 MINDRAY CL-i	33 µU/mL
178 TT3	063 Chemiluminescence	1529 MINDRAY CL-i	02 ng/mL
182 TT4	063 Chemiluminescence	1529 MINDRAY CL-i	13 µg/dL

Instrument

2090 – SENA CORE – ST-100/100B/100C /200

Analyte	Method	Reagent	Unit
135 K	023 ISE direct	0006 Dedicated Reagent	84 mEq/L
159 NA	023 ISE direct	0006 Dedicated Reagent	84 mEq/L

**Lab 754498**LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA**Sample Summary Report
Clinical Chemistry (Monthly) Program****Cycle 18**Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700**Instrument: Erba Chem 5/Chem 7**

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Amylase	U/L	724.6	706	0.36	-0.70	Mode
✗ Calcium	mg/dL	11.2	8.69	9.17	0.11	Method
✓ Creatine Kinase	U/L	209	198	1.13	1.47	Mode
✗ Phosphorus	mg/dL	1.87	3.82	-13.6	-6.25	Mode

Instrument: Erba EM 200/XL-200

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
▽ Albumin	g/dL	2.76	3.05	-2.14	-0.90	Peer
✗ Alkaline Phosphatase	U/L	251	164	7.59	1.59	Peer
✓ ALT (ALAT/GPT)	U/L	133.4	133	0.01	0.10	Peer
▽ AST/GOT	U/L	89.5	81.7	2.19	-0.30	Peer
✓ Bilirubin, Direct	mg/dL	1.05	0.997	0.58	3.80	Peer
✓ Bilirubin, Total	mg/dL	2.96	3.13	-1.30	-0.52	Peer
✓ Cholesterol, HDL	mg/dL	30.7	36.6	-1.35	-0.45	Peer
✓ Cholesterol, Total	mg/dL	160	163	-0.50	-0.83	Peer
✓ Creatinine	mg/dL	3.17	3.25	-0.65	-0.39	Peer
✓ Glucose	mg/dL	745	689	1.56	0.51	Peer
▽ Protein, Total	g/dL	4.16	4.82	-2.91	-0.47	Peer
✓ Triglycerides	mg/dL	74.6	80.4	-1.18	-0.73	Peer
✓ Urea	mg/dL	63.7	64.9	-0.35	-0.95	Peer
✓ Uric Acid	mg/dL	8.5	9.04	-1.20	-0.49	Peer

Instrument: Mindray CL-900i

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ T3, Free	pg/mL	3.42	3.51	-0.19	0.08	Mode
✓ T3, Total	ng/mL	1.06	1.01	0.45	0.58	Mode
✓ T4, Free	ng/dL	1.21	1.39	-1.85	-2.43	Mode
✓ T4, Total	µg/dL	7.92	6.71	1.48	0.42	Method
✓ TSH	µIU/mL	12.75	10.2	1.72	2.69	Method

Instrument: SENA CORE – ST-100/100B/100C /200

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
▽ Potassium	mEq/L	2.5	2.80	-2.02	-0.44	Peer
✓ Sodium	mEq/L	124.3	128	-0.89	-0.27	Peer

Legend: ✓ No Warnings 📄 Missing Result ⓘ Late Results ▽ 2.0 ≤ |Z-score| < 3.0 ✗ |Z-score| ≥ 3.0
 * Amended Result (per participant's request) † Non-robust determination of Mean and SD

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Date: _____



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Amylase Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



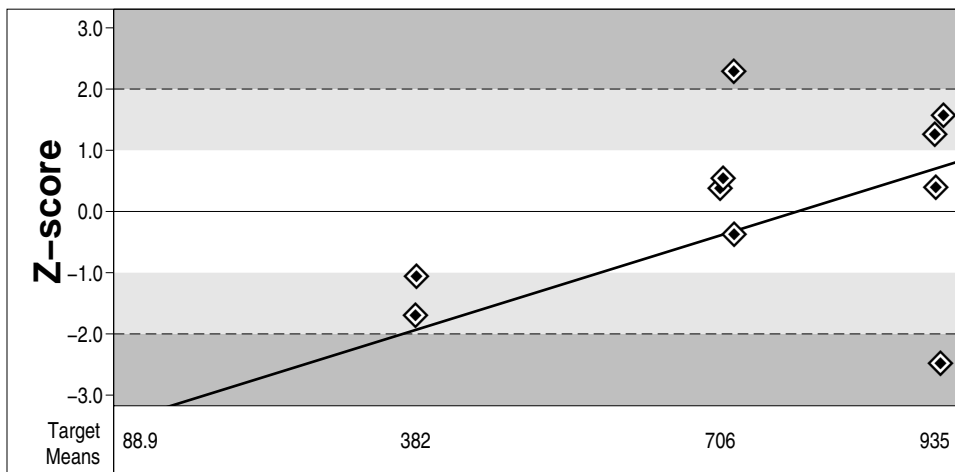
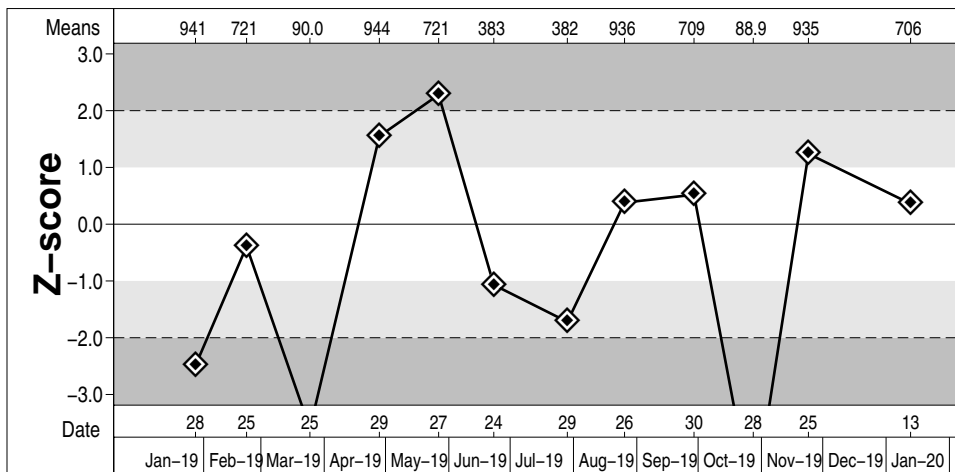
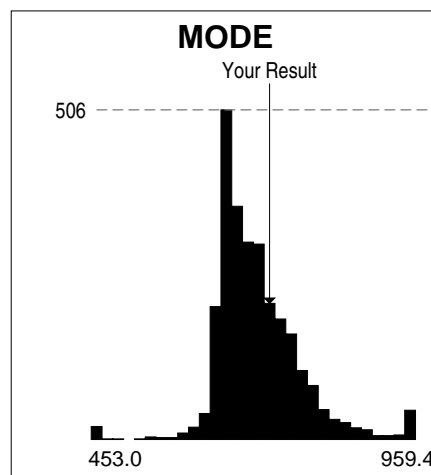
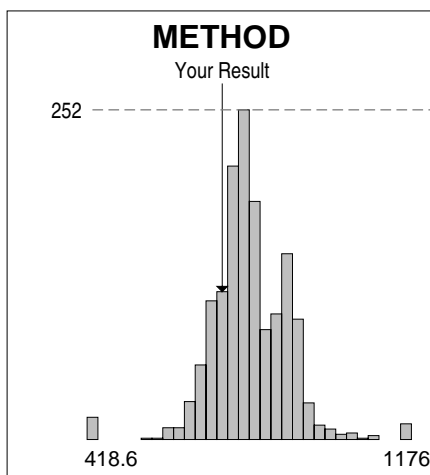
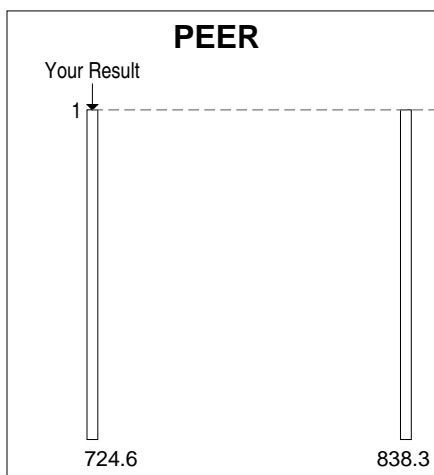
Erba Chem 5/Chem 7

Your Result
724.6 U/L

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	2718	706	50.6	7.17	2.43	0.36	-0.70	2.61
■ Your Method	1471	797	75.7	9.50	4.94	-0.96	-1.14	-9.12
○ Your Peer	2	781	91.2	11.7	161	-0.62	-0.31	-7.27



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 G7 PNP, Blocked Dedicated Reagent	571	665	1.66	1.15
Beckman Coulter AU Series CNP-triose/CNPG3 Dedicated Reagent	383	757	4.12	3.98
VITROS Microslide Series Amylopectin, colorimetric-VITROS VITROS Dry Slides Reagent Group	340	359	3.66	1.78
Abbott ARCHITECT/Alinity (c, i, ci ... CNP-triose/CNPG3 Dedicated Reagent	314	798	3.04	3.42
Siemens Dimension Series CNP-triose/CNPG3 Dedicated Reagent	288	892	2.57	3.38
Beckman Coulter AU Series G7 PNP, Blocked - IFCC Ref. Proc., Calibrated Dedicated Reagent	257	722	4.02	4.53
Roche cobas 6000/8000/c 311 G7 PNP, Blocked - IFCC Ref. Proc., Calibrated Dedicated Reagent	154	666	2.34	3.13
Roche cobas Integra / c 111 G7 PNP, Blocked Dedicated Reagent	139	693	2.15	3.16
Siemens ADVIA Chemistry Systems G7 PNP, Blocked Dedicated Reagent	123	708	2.36	3.76

Amylase 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Calcium Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



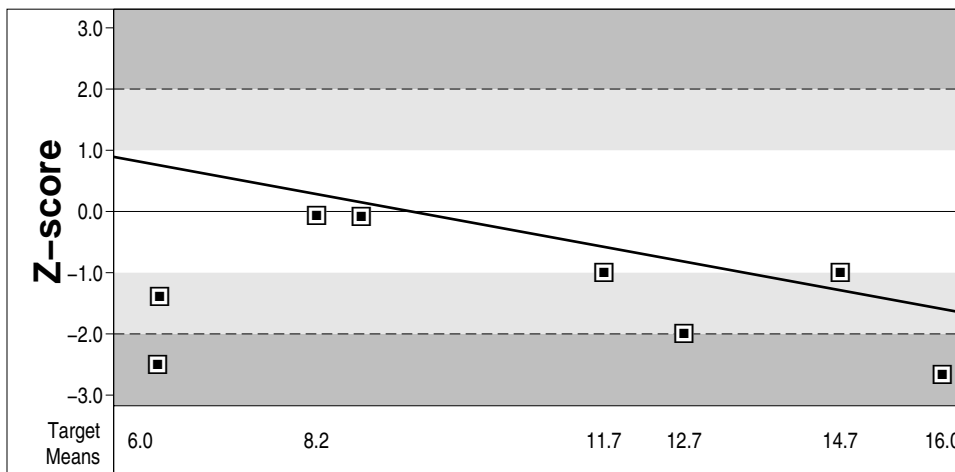
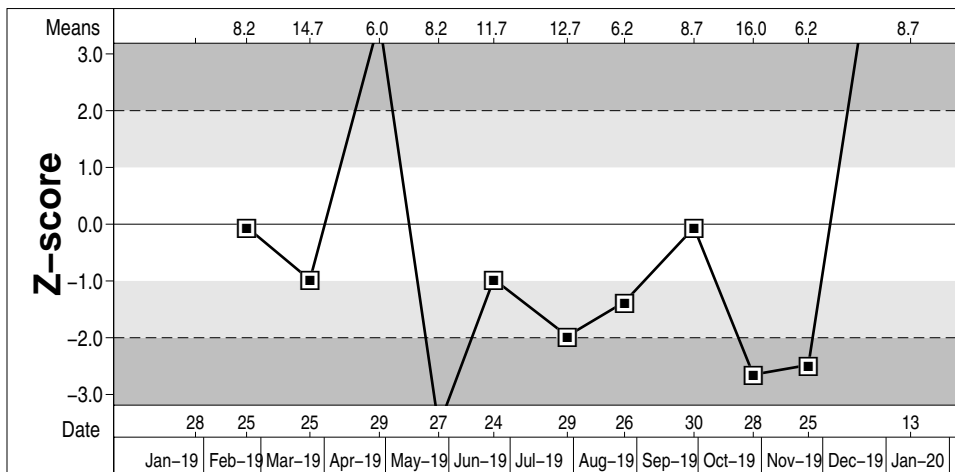
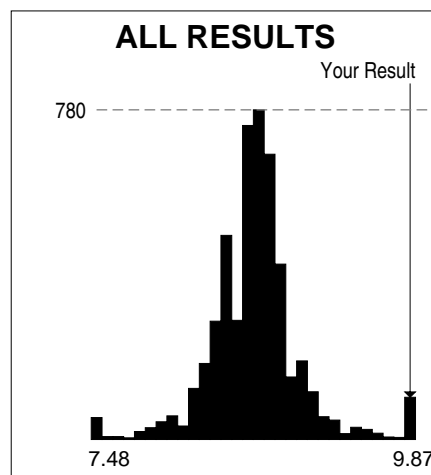
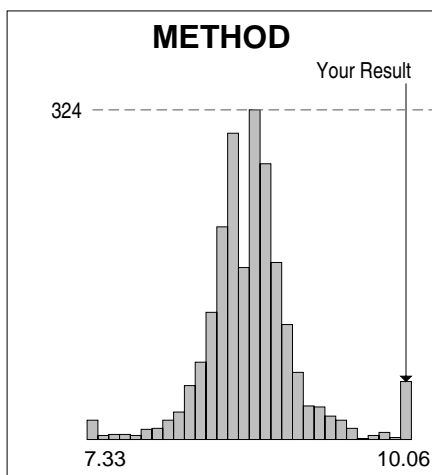
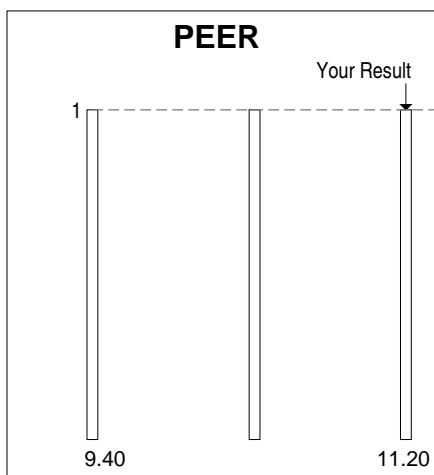
Erba Chem 5/Chem 7

Your Result
11.2 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	4946	8.68	0.239	2.76	0.009	10.5	0.30	29.1
■ Your Method	2174	8.69	0.273	3.14	0.015	9.17	0.11	28.8
● Your Peer	3	10.3	1.02	9.91	1.47	0.88	-0.17	8.74



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 BAPTA Dedicated Reagent	801	8.72	1.85	0.014
Beckman Coulter AU Series Arsenazo III Dedicated Reagent	681	8.72	2.12	0.018
Abbott ARCHITECT/Alinity (c, i, ci ... Arsenazo III Dedicated Reagent	456	8.60	2.22	0.022
VITROS Microslide Series Arsenazo III-VITROS VITROS Dry Slides Reagent Group	443	8.74	2.13	0.022
Siemens Dimension Series o-cresolphthalein complexone Dedicated Reagent	410	8.50	2.90	0.030
Roche cobas Integra / c 111 BAPTA Dedicated Reagent	273	8.63	2.54	0.033
Roche cobas 6000/8000/c 311 o-cresolphthalein complexone Dedicated Reagent	216	8.71	1.77	0.026
Beckman Coulter AU Series o-cresolphthalein complexone Dedicated Reagent	154	8.61	2.60	0.045
Siemens ADVIA Chemistry Systems Arsenazo III Dedicated Reagent	115	8.62	2.13	0.043

Calcium 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Creatine Kinase Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



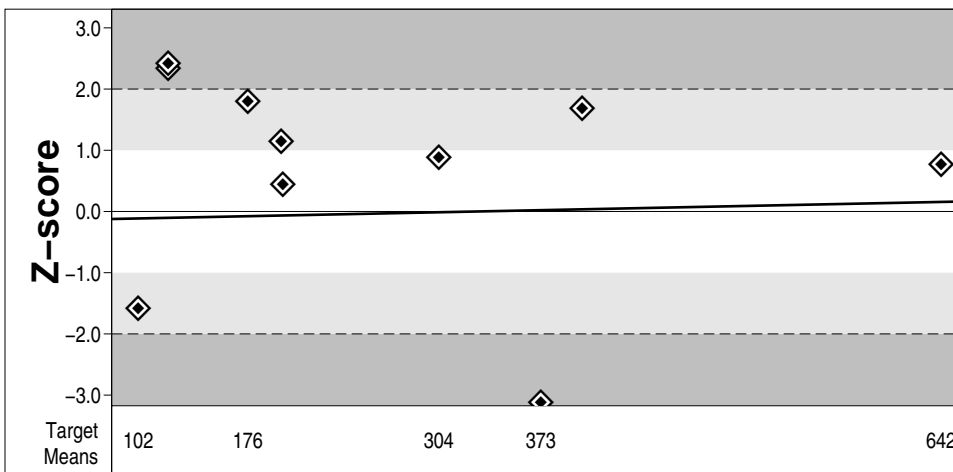
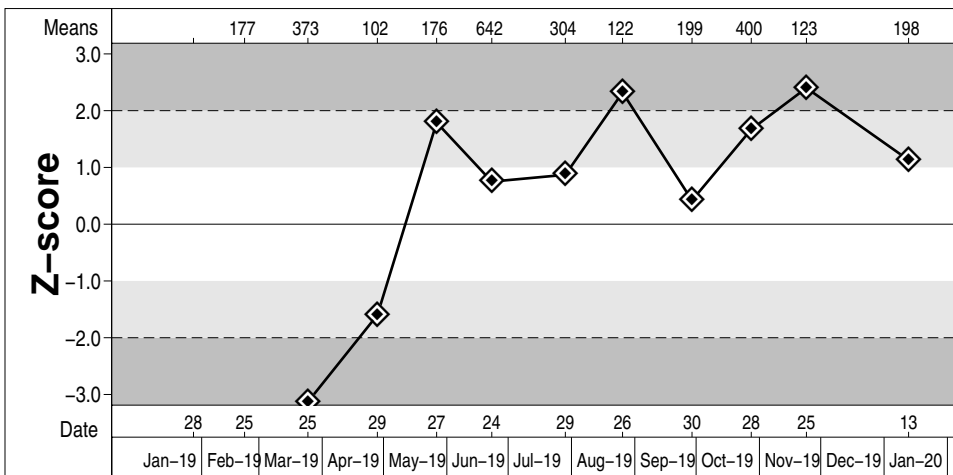
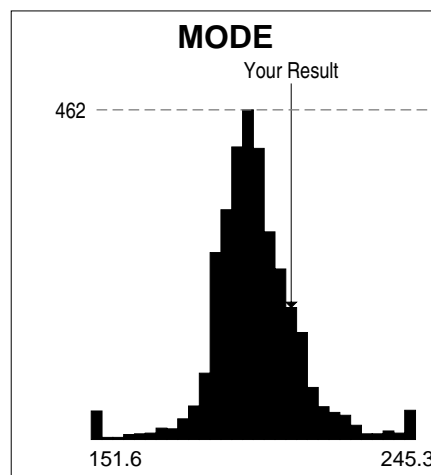
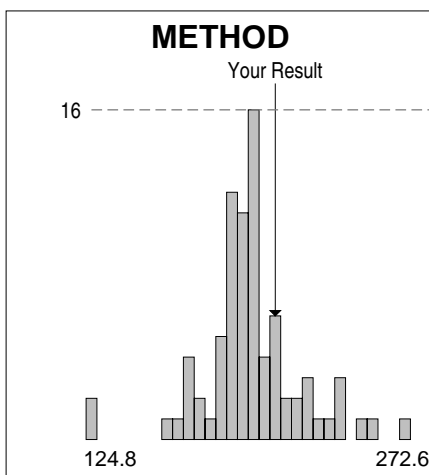
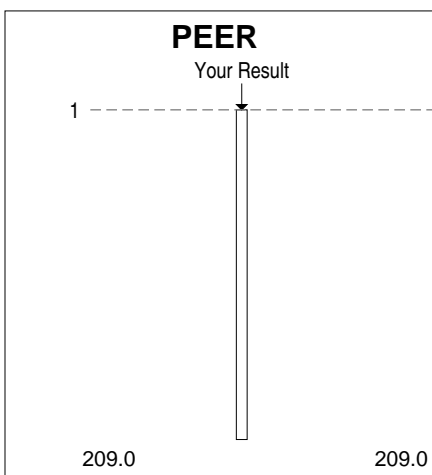
Erba Chem 5/Chem 7

Your Result
209 U/L

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	3288	198	9.37	4.72	0.408	1.13	1.47	5.32
■ Your Method	80	199	14.8	7.44	4.13	0.70	1.21	5.17
● Your Peer	1	209	0	0	0	0	0	0



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 NAC activated Dedicated Reagent	421	195	2.40	0.569
Abbott ARCHITECT/Alinity (c, i, ci ... NAC activated Dedicated Reagent	337	198	3.19	0.859
Beckman Coulter AU Series NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	314	206	3.76	1.10
Beckman Coulter AU Series NAC activated Dedicated Reagent	306	204	4.12	1.20
VITROS Microslide Series Rosalki, Other Modified-VITROS VITROS Dry Slides Reagent Group	283	160	6.39	1.52
Roche cobas 6000/c 311 NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	256	194	3.13	0.951
Siemens Dimension Series NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	169	194	3.86	1.44
Roche cobas Integra / c 111 NAC activated Dedicated Reagent	131	194	3.62	1.53
Roche cobas Integra / c 111 NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	90	194	3.61	1.85

Creatine Kinase 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Phosphorus Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



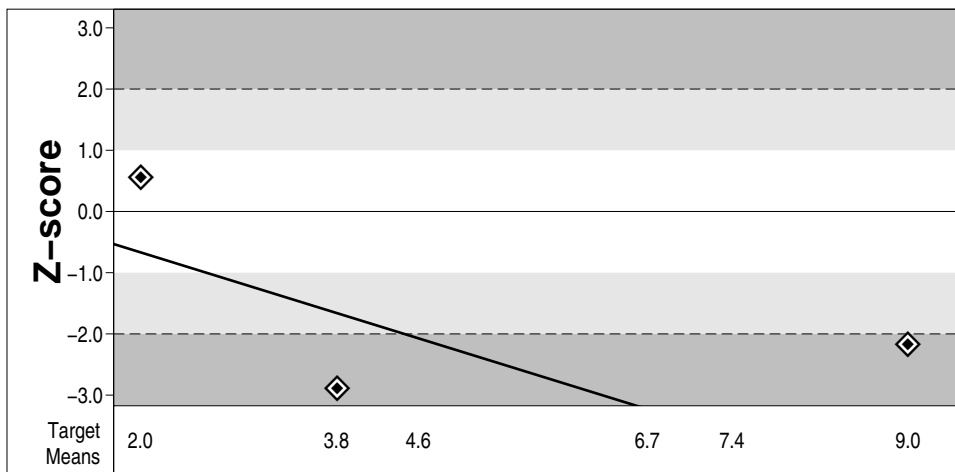
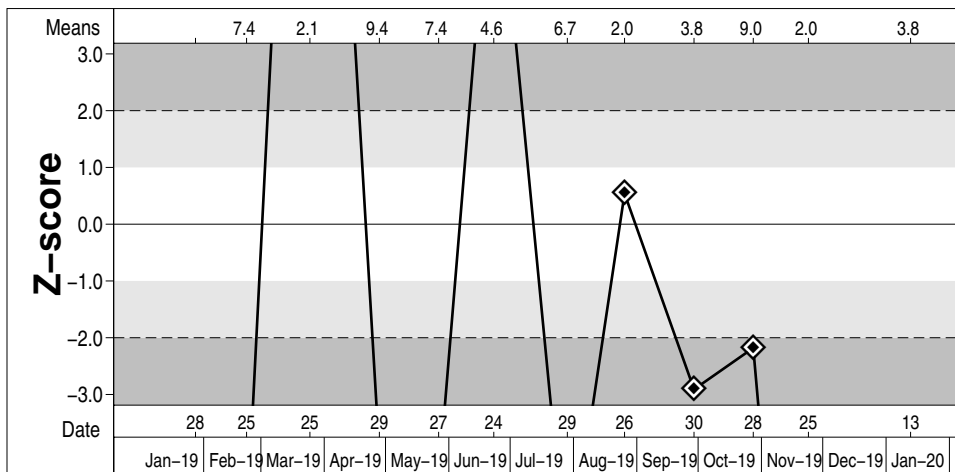
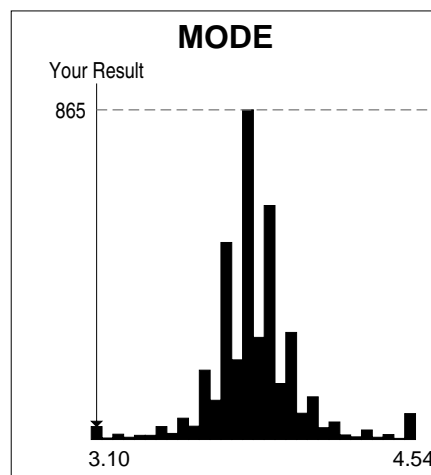
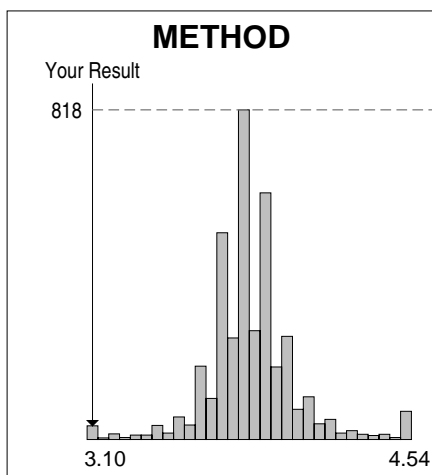
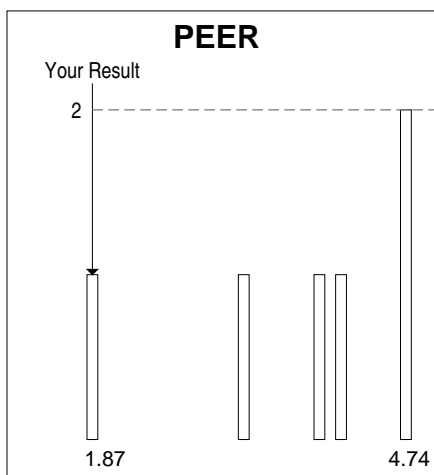
Erba Chem 5/Chem 7

Your Result
1.87 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	3799	3.82	0.144	3.76	0.006	-13.6	-6.25	-51.0
■ Your Method	3826	3.82	0.145	3.79	0.006	-13.5	-6.19	-51.0
○ Your Peer	6	3.86	1.00	26.0	1.02	-1.99	-1.35	-51.6



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Phosphomolybdate method Dedicated Reagent	965	3.79	2.52	0.008
Beckman Coulter AU Series Phosphomolybdate method Dedicated Reagent	747	3.77	3.19	0.011
Abbott ARCHITECT/Alinity (c, i, ci ... Phosphomolybdate method Dedicated Reagent	412	3.76	2.62	0.012
VITROS Microslide Series Phosphomolybdate reduction-VITROS VITROS Dry Slides Reagent Group	383	4.04	2.82	0.015
Roche cobas Integra / c 111 Phosphomolybdate method Dedicated Reagent	268	3.91	3.04	0.018
Siemens Dimension Series Phosphomolybdate method Dedicated Reagent	219	3.89	2.94	0.019
Siemens ADVIA Chemistry Systems Phosphomolybdate method Dedicated Reagent	156	3.87	2.78	0.022
Siemens Dimension Series Phosphomolybdate method Siemens Dimension PHOS, DF61A	92	3.86	2.80	0.028
Siemens Dimension Series Phosphomolybdate method Siemens Dimension PHOS, DF61	52	3.90	2.77	0.037

Phosphorus 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Albumin Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

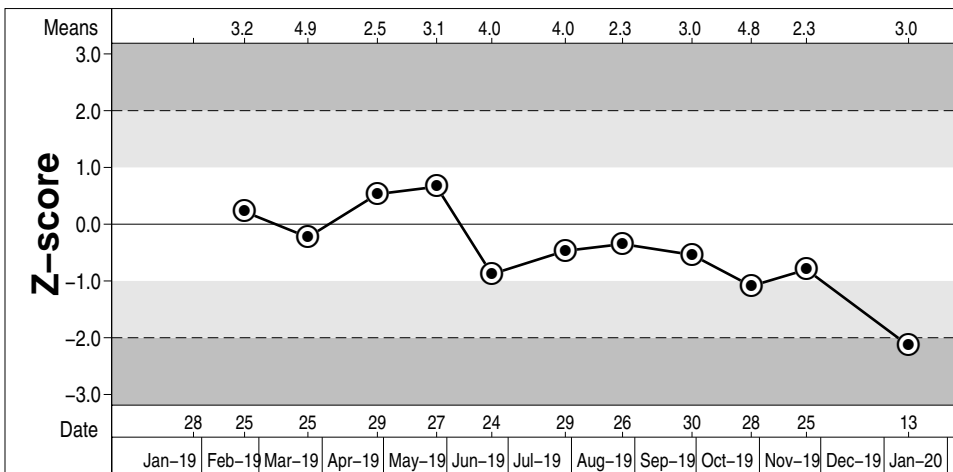
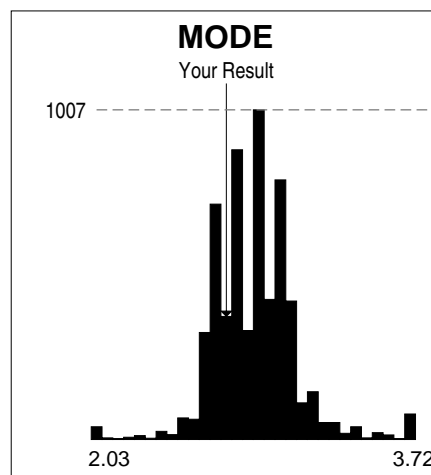
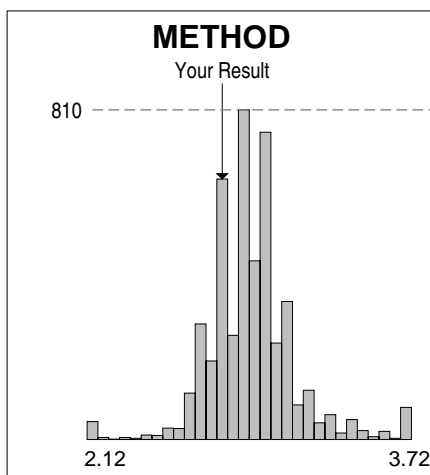
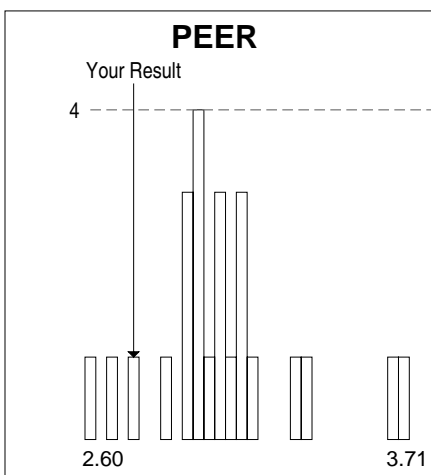
Your Result
2.76 g/dL

- ◆ Your Mode
- Your Method
- Your Peer

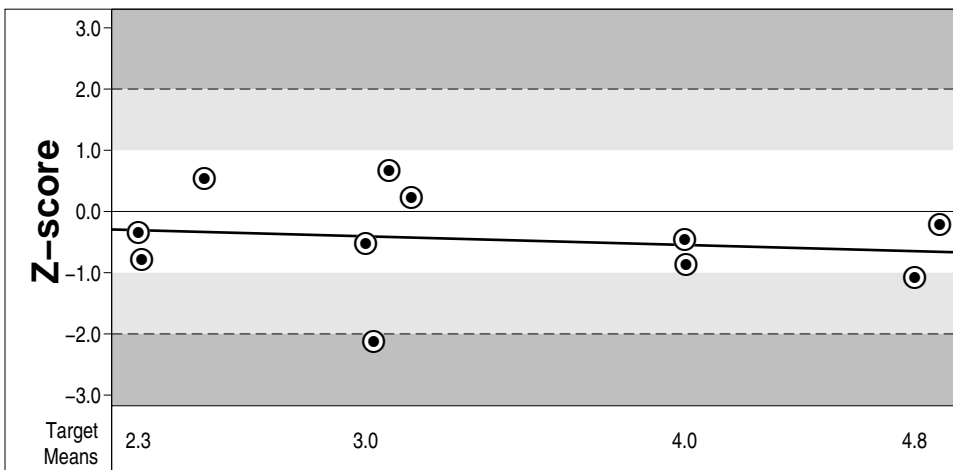
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	6070	2.88	0.169	5.89	0.005	-0.69	-0.22	-4.06
Your Method	4705	2.92	0.160	5.48	0.006	-0.99	-0.43	-5.43
Your Peer	24	3.05	0.134	4.39	0.068	-2.14	-0.90	-9.37



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Bromcresol Green (BCG) Dedicated Reagent	1003	2.97	3.11	0.007
Beckman Coulter AU Series Bromcresol Green (BCG) Dedicated Reagent	901	2.76	2.63	0.006
VITROS Microslide Series Bromcresol Green (BCG) - Vitros VITROS Dry Slides Reagent Group	522	2.68	3.58	0.011
Siemens Dimension Series Bromcresol Purple (BCP) Dedicated Reagent	453	2.71	2.91	0.009
Roche cobas Integra / c 111 Bromcresol Green (BCG) Dedicated Reagent	379	2.98	3.23	0.012
Abbott ARCHITECT/Alinity (c, i, ci ... Bromcresol Green (BCG) Dedicated Reagent	342	2.89	2.65	0.010
Siemens ADVIA Chemistry Systems Bromcresol Green (BCG) Dedicated Reagent	149	2.90	2.14	0.013
Abbott ARCHITECT/Alinity (c, i, ci ... Bromcresol Purple (BCP) Dedicated Reagent	124	2.84	2.22	0.014
Mindray BS Series Bromcresol Green (BCG) Dedicated Reagent	93	3.00	5.23	0.041



Albumin 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

**Alkaline Phosphatase Report
Clinical Chemistry (Monthly) Program**

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

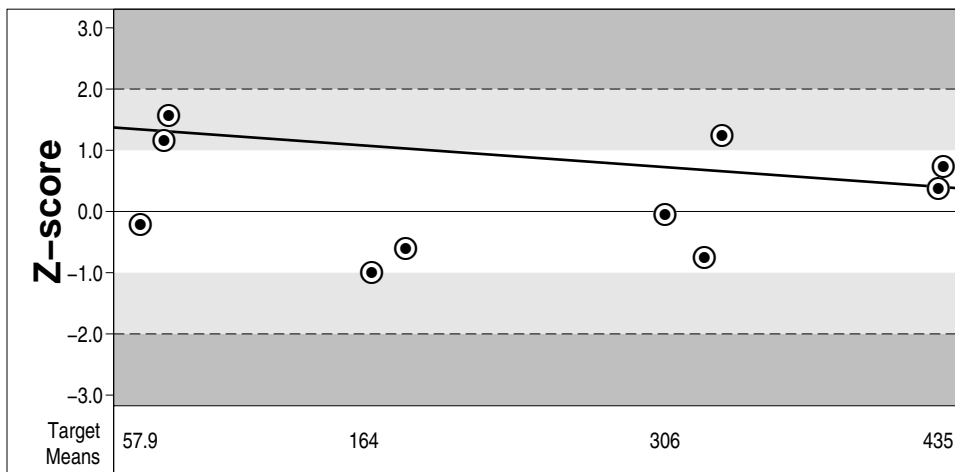
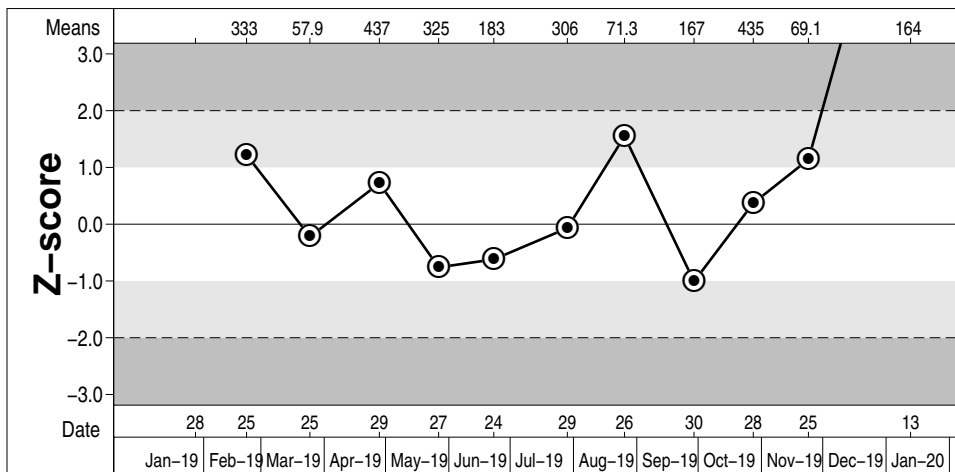
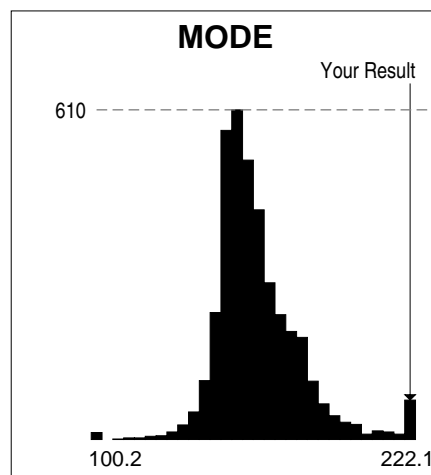
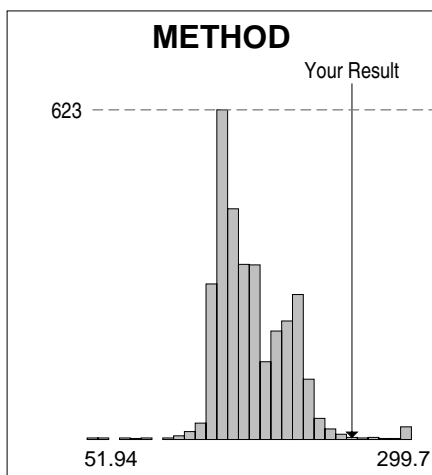
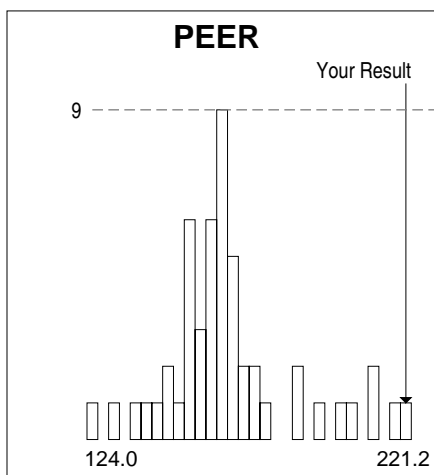
Your Result
251 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	3904	161	12.2	7.56	0.488	7.37	1.79	55.8
Your Method	3157	176	24.8	14.1	1.10	3.03	0.37	42.8
Your Peer	51	164	11.5	7.04	4.03	7.59	1.59	53.4



	N	Mean	CV	U ¹
Beckman Coulter AU Series				
PNPP, AMP Buffer				
Dedicated Reagent	884	206	6.11	1.06
Roche cobas 6000/c 311				
PNPP, AMP Buffer				
Dedicated Reagent	596	154	3.13	0.492
VITROS Microslide Series				
PNPP, AMP Buffer-VITROS				
VITROS Dry Slides Reagent Group	449	152	6.40	1.15
Abbott ARCHITECT/Alinity (c, i, ci ...)				
PNPP, AMP Buffer				
Dedicated Reagent	365	177	4.15	0.958
Siemens Dimension Series				
PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated				
Dedicated Reagent	273	162	3.62	0.886
Roche cobas 6000/c 311				
PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated				
Dedicated Reagent	248	153	3.78	0.920
Roche cobas Integra / c 111				
PNPP, AMP Buffer				
Dedicated Reagent	231	162	4.46	1.19
Siemens Dimension Series				
PNPP, AMP Buffer				
Dedicated Reagent	210	162	4.47	1.25
Roche cobas Integra / c 111				
PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated				
Dedicated Reagent	130	163	5.84	2.08

Alkaline Phosphatase 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

ALT (ALAT/GPT) Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

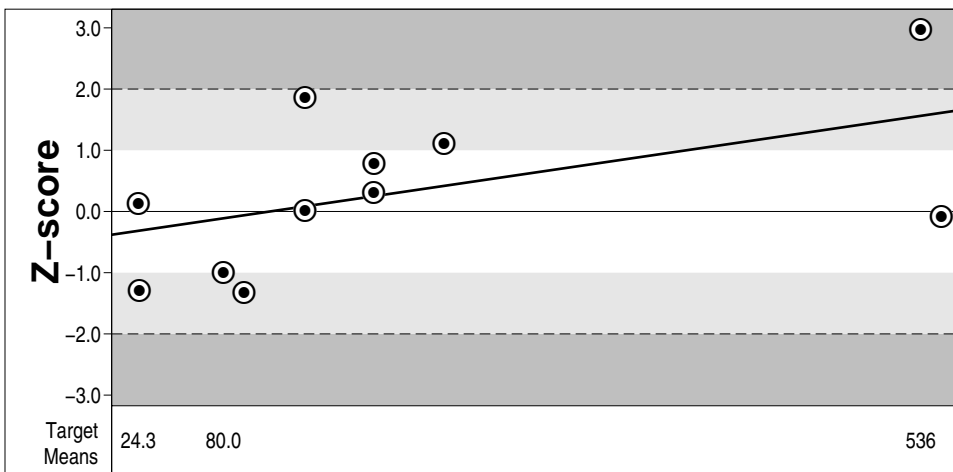
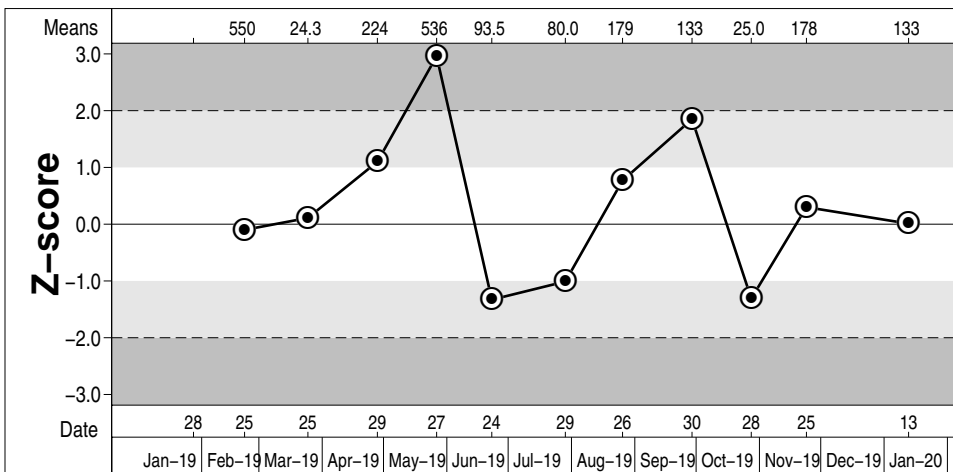
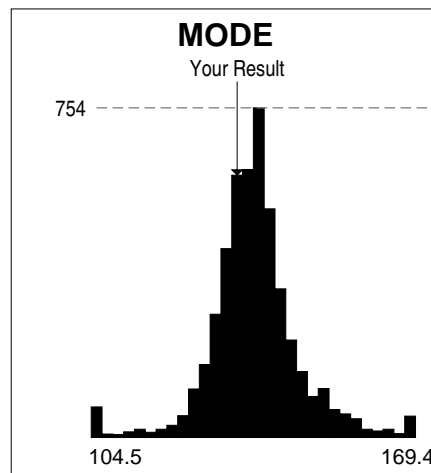
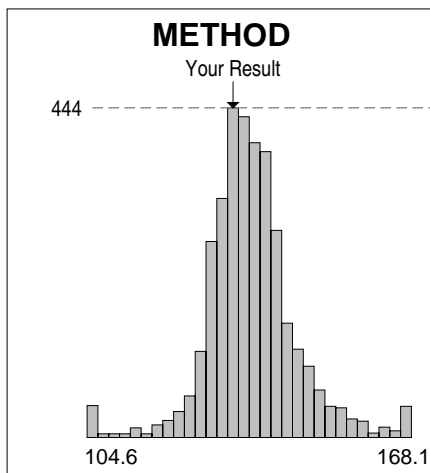
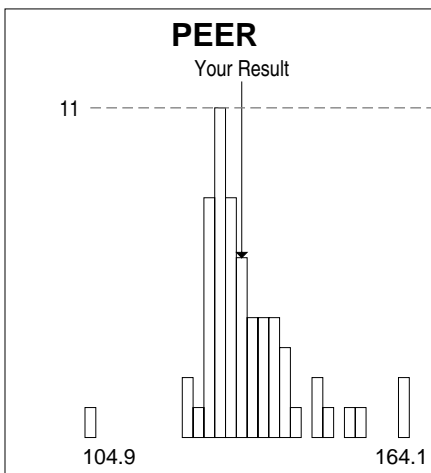
Your Result
133.4 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	4900	137	6.49	4.74	0.232	-0.55	-0.32	-2.59
Your Method	3479	136	6.35	4.65	0.269	-0.47	-0.22	-2.18
Your Peer	60	133	6.15	4.61	1.98	0.01	0.10	0.068



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	1054	134	2.65	0.273
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	500	139	2.88	0.449
Beckman Coulter AU Series UV with P5P - IFCC Ref. Proc., Calibrated Dedicated Reagent	428	139	3.34	0.560
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	406	139	3.54	0.610
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	382	133	3.63	0.616
Siemens Dimension Series UV with P5P - IFCC Ref. Proc., Calibrated Dedicated Reagent	272	151	2.96	0.676
VITROS Microslide Series UV with P5P-VITROS VITROS Dry Slides Reagent Group	249	140	6.73	1.49
VITROS Microslide Series UV with P5P - IFCC Ref. Proc., Calibrated VITROS Dry Slides Reagent Group	175	135	2.52	0.642
Siemens Dimension Series UV with P5P Dedicated Reagent	172	150	3.72	1.06

ALT (ALAT/GPT) 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

AST/GOT Report
Clinical Chemistry (Monthly) Program

Cycle 18
Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

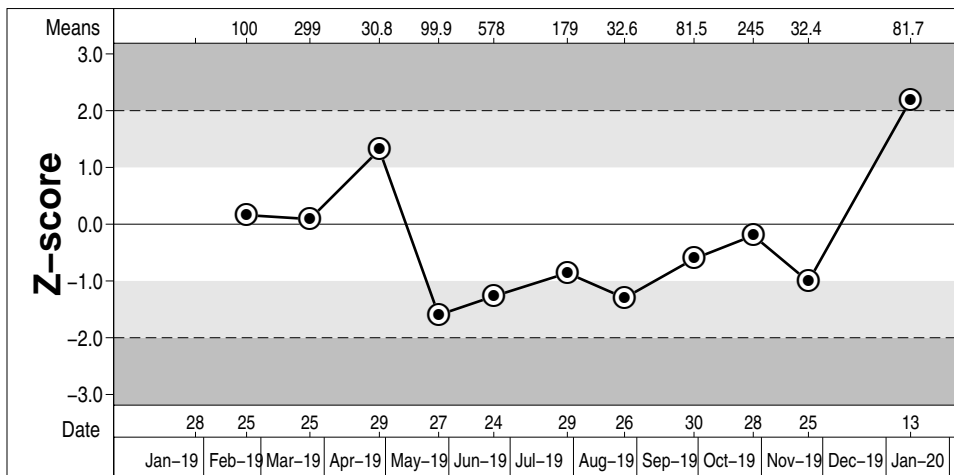
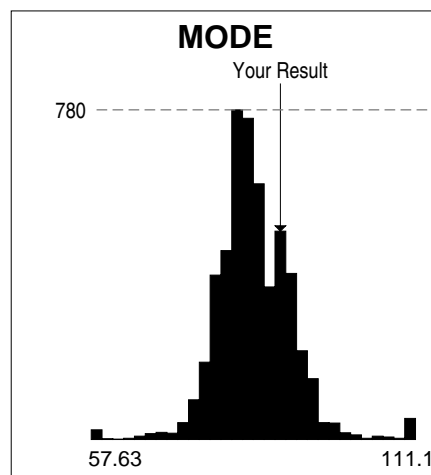
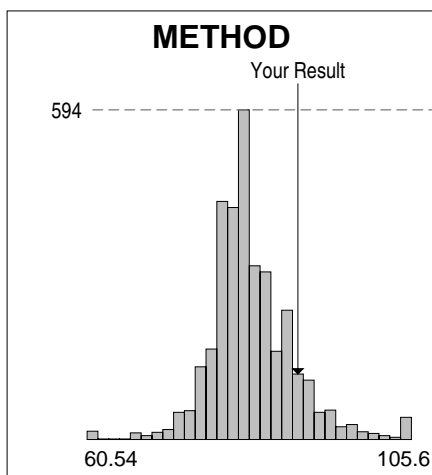
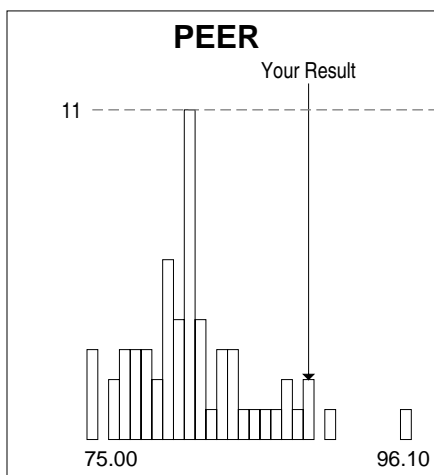
Your Result
89.5 U/L

- ◆ Your Mode
- Your Method
- Your Peer

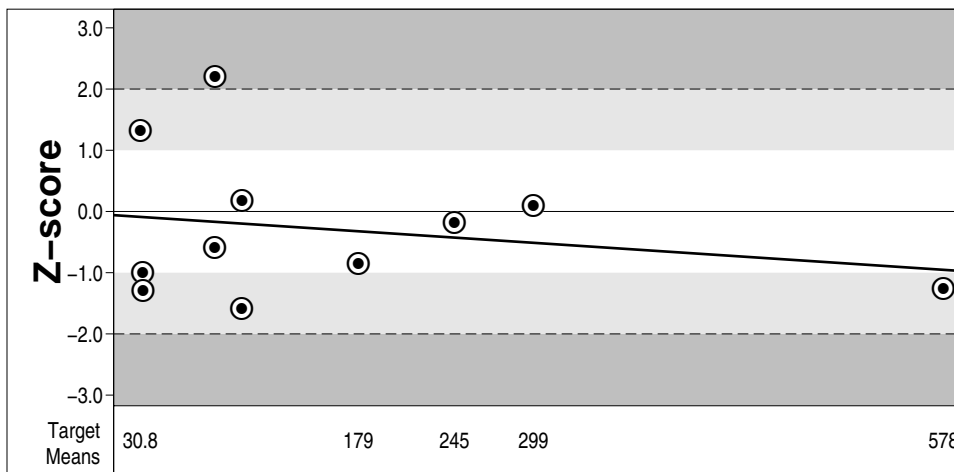
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	5158	84.4	5.34	6.34	0.186	0.96	-0.75	6.10
Your Method	3364	83.1	4.51	5.43	0.194	1.42	-0.64	7.73
Your Peer	59	81.7	3.55	4.35	1.16	2.19	-0.30	9.51



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	1028	81.7	3.19	0.204
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	452	87.9	3.42	0.354
Beckman Coulter AU Series UV with P5P - IFCC Ref. Proc., Calibrated Dedicated Reagent	426	87.9	4.44	0.473
Siemens Dimension Series UV with P5P Dedicated Reagent	406	86.6	4.72	0.507
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	404	80.9	3.15	0.317
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	385	81.4	3.46	0.359
VITROS Microslide Series Enzymatic, colorimetric-VITROS VITROS Dry Slides Reagent Group	260	95.7	3.41	0.505
VITROS Microslide Series UV with P5P-VITROS VITROS Dry Slides Reagent Group	192	95.6	4.12	0.711
Roche cobas 6000/8000/c 311 UV with P5P - IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	138	86.2	6.71	1.23



AST/GOT 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
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INDIA

Bilirubin, Direct Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

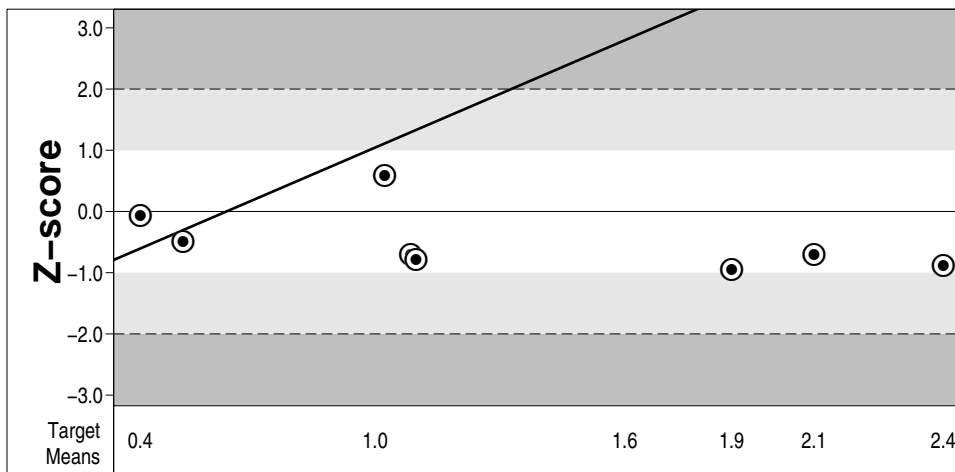
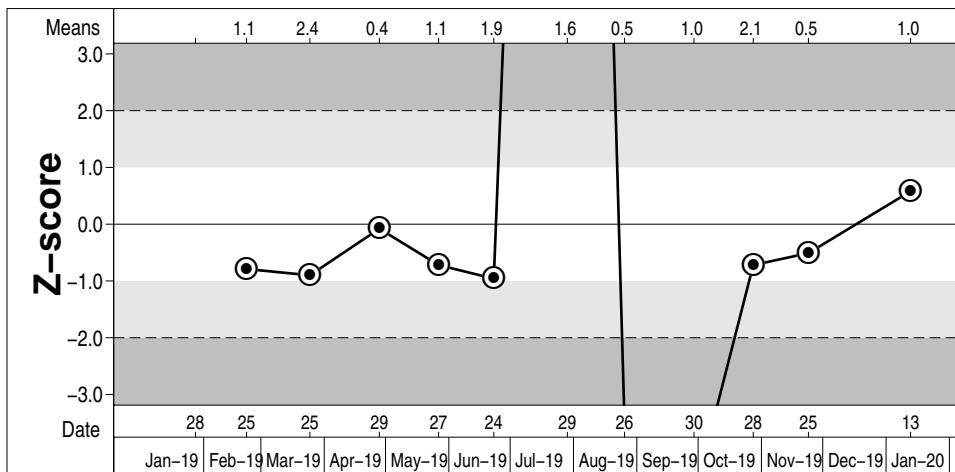
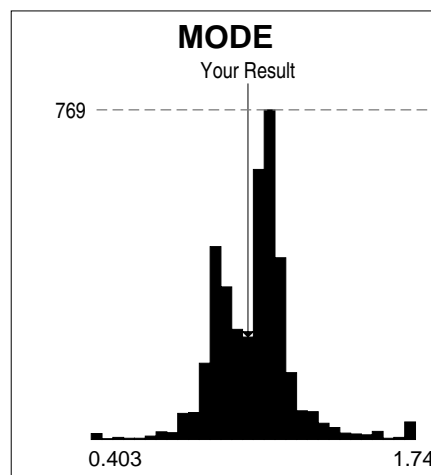
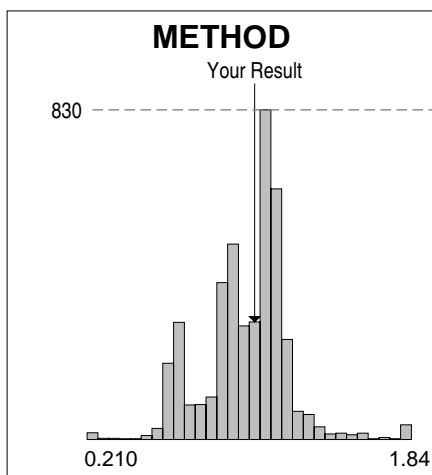
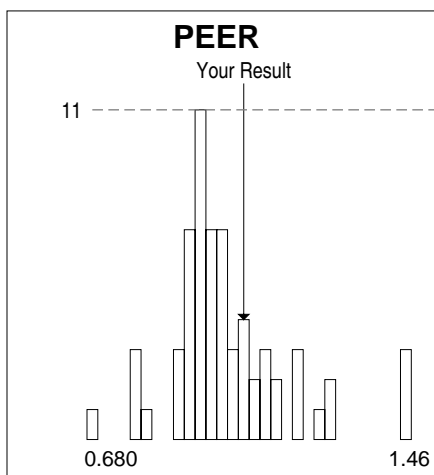
Your Result
1.05 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	3957	1.07	0.134	12.5	0.005	-0.17	2.15	-2.07
Your Method	4286	1.03	0.163	15.9	0.006	0.14	1.81	2.27
Your Peer	63	0.997	0.092	9.26	0.029	0.58	3.80	5.36

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Diazotization Jendrassik-Grof Roche Direct Bilirubin	871	1.13	3.30	0.003
Beckman Coulter AU Series Diazotization Dedicated Reagent	868	0.925	5.56	0.004
Abbott ARCHITECT/Alinity (c, i, ci ... Diazotization Dedicated Reagent	462	1.17	4.99	0.007
Siemens Dimension Series Diazotization Dedicated Reagent	423	0.659	6.70	0.005
Roche cobas Integra / c 111 Diazotization Jendrassik-Grof Roche Direct Bilirubin	314	1.13	4.46	0.007
Roche cobas 6000/8000/c 311 Diazotization Dumas Roche Direct Bilirubin	152	1.04	11.5	0.024
Siemens ADVIA Chemistry Systems Vanadate Oxidation Dedicated Reagent	143	1.14	5.16	0.012
VITROS Microslide Series Spectrophotometric VITROS Dry Slides Reagent Group	124	0.102	92.1	0.021
VITROS Microslide Series Calculated VITROS Dry Slides Reagent Group	85	0.301	69.0	0.056

Bilirubin, Direct 18 : 6
CYCLE SAMPLE

Bilirubin, Total Report

Lab 754498

Clinical Chemistry (Monthly) Program

Cycle 18



LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Jul 2019 – Jul 2020

Sample No: 6

Sample Date: 13 Jan 20

Lot No: 211700



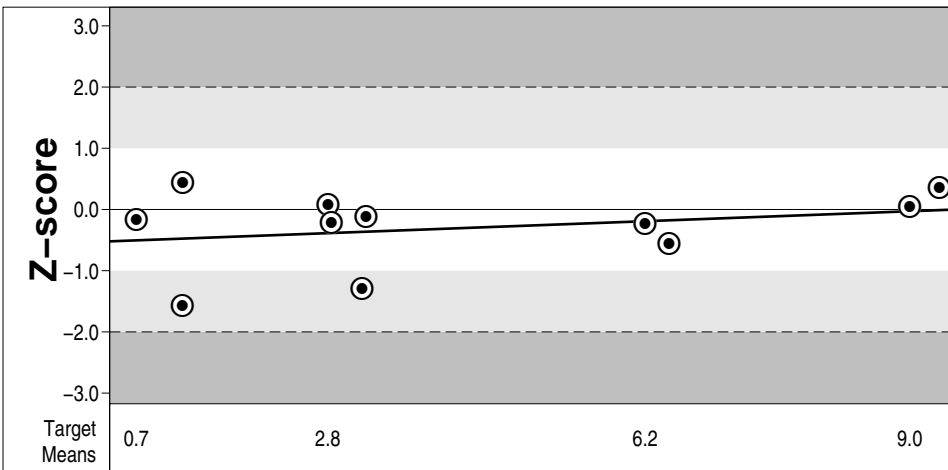
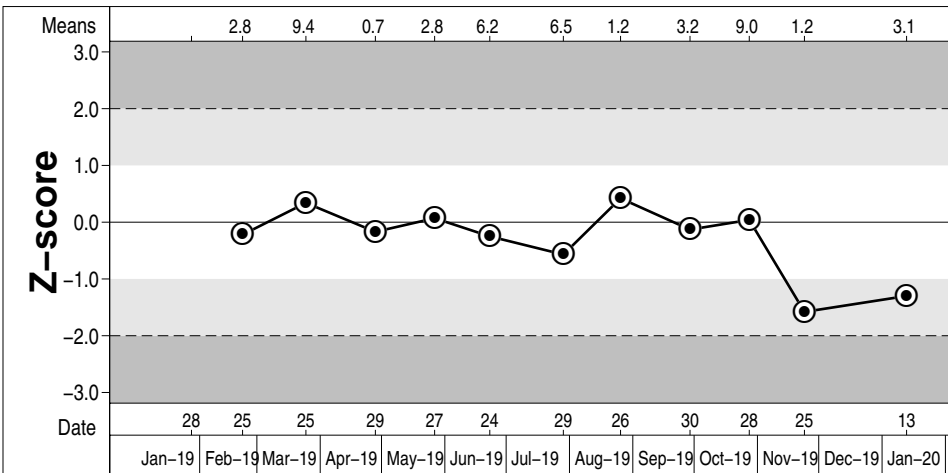
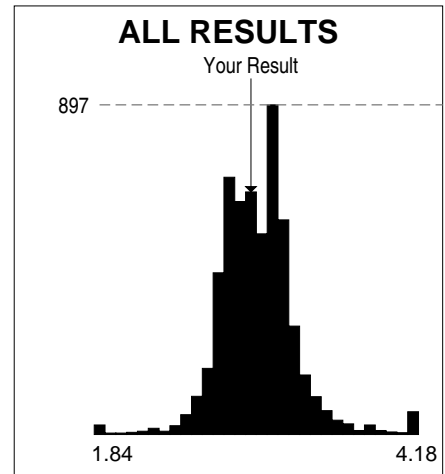
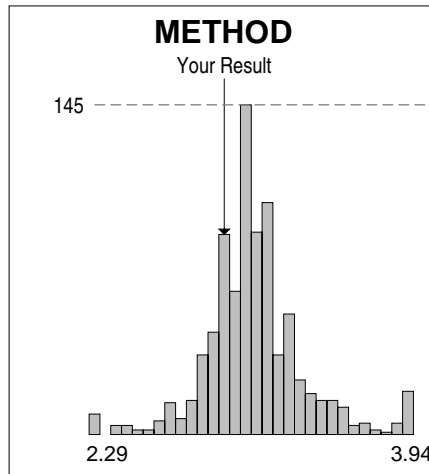
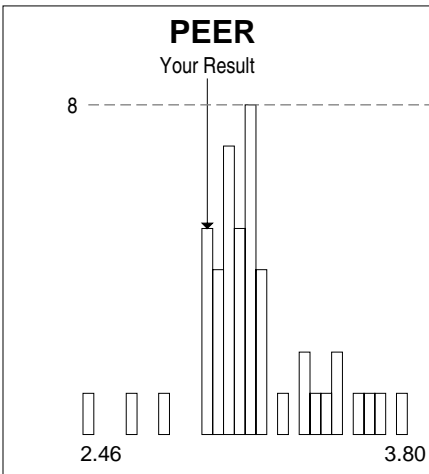
Erba EM 200/XL-200

Your Result
2.96 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	5713	3.01	0.234	7.79	0.008	-0.20	0.41	-1.53
■ Your Method	838	3.11	0.165	5.29	0.014	-0.93	-0.03	-4.92
● Your Peer	47	3.13	0.134	4.27	0.049	-1.30	-0.52	-5.56



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Diazonium Ion, Blanked (Roche) Dedicated Reagent	1148	2.83	3.03	0.006
Beckman Coulter AU Series DPD Dedicated Reagent	969	3.14	2.74	0.007
Siemens Dimension Series Jendrassik Grof Dedicated Reagent	466	3.02	3.15	0.011
Abbott ARCHITECT/Alinity (c, i, ci ... Diazonium Ion Dedicated Reagent	462	3.12	4.94	0.018
Roche cobas Integra / c 111 Diazonium Ion, Blanked (Roche) Dedicated Reagent	409	2.71	4.39	0.015
VITROS Microslide Series Diphylline, Diazonium Salt-VITROS VITROS Dry Slides Reagent Group	402	2.91	5.71	0.021
Siemens ADVIA Chemistry Systems Vanadate Oxidation Dedicated Reagent	158	3.28	3.26	0.021
Beckman Coulter UniCel DxC Series Jendrassik Grof Dedicated Reagent	63	3.14	5.11	0.050
Erba EM 200/XL-200 Diazonium Ion Dedicated Reagent	47	3.13	4.27	0.049

Bilirubin, Total 18 : 6 CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Cholesterol, HDL Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



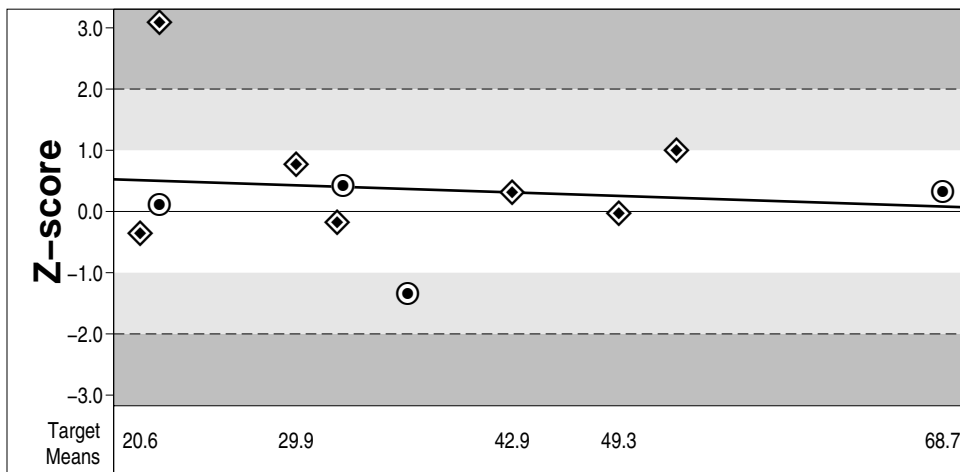
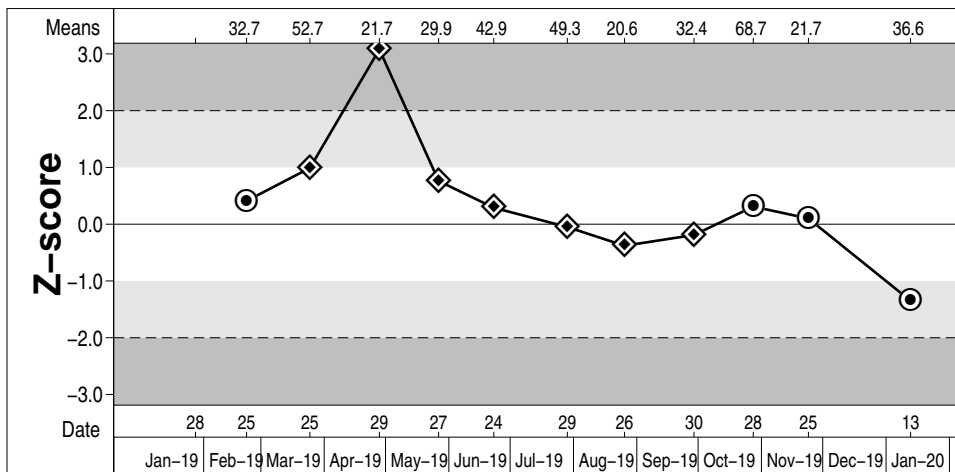
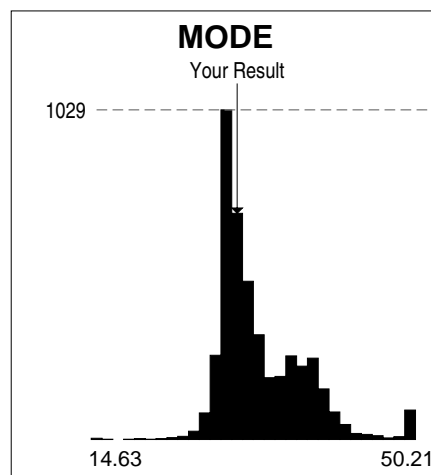
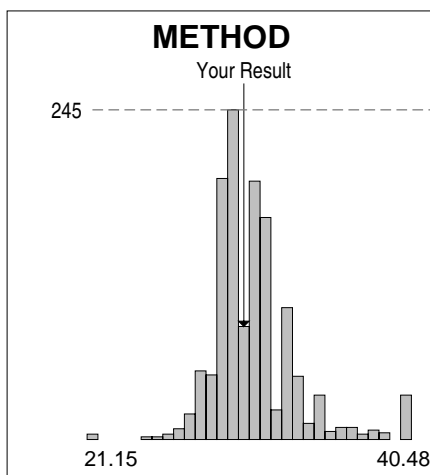
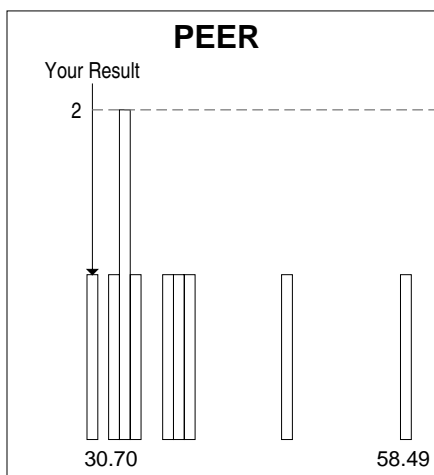
Erba EM 200/XL-200

Your Result
30.7 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	4535	32.4	3.56	11.0	0.132	-0.48	0.03	-5.30
■ Your Method	1303	30.8	1.93	6.27	0.134	-0.06	1.34	-0.369
● Your Peer	10	36.6	4.38	12.0	3.46	-1.35	-0.45	-16.1



	N	Mean	CV	U ¹
Beckman Coulter AU Series Direct measure, immunoinhibition Beckman Coulter AU HDL, OSR6X87	725	38.6	5.09	0.182
Roche cobas 6000/c 311 Direct measure-PEG Dedicated Reagent	411	29.8	3.93	0.144
VITROS Microslide Series Direct measure, PTA/MgCl ₂ -VITROS VITROS Dry Slides Reagent Group	329	29.8	4.71	0.193
Roche cobas 6000/c 311 Direct measure, polymer-polyanion Roche HDLC4	325	29.8	3.52	0.146
Abbott ARCHITECT/Alinity (c, i, ci ...) Direct measure, polymer-polyanion Dedicated Reagent	254	37.9	3.98	0.237
Roche cobas Integra / c 111 Direct measure-PEG Dedicated Reagent	200	30.0	4.33	0.229
Siemens Dimension Series Direct measure-PEG Dedicated Reagent	181	31.7	3.91	0.230
Siemens Dimension Series Direct measure-PEG Siemens Dimension AHDL (DF48B)	169	31.8	4.37	0.267
Roche cobas 6000/c 311 Direct Enzymatic Colorimetric Dedicated Reagent	109	30.0	3.68	0.264

Cholesterol, HDL 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Cholesterol, Total Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

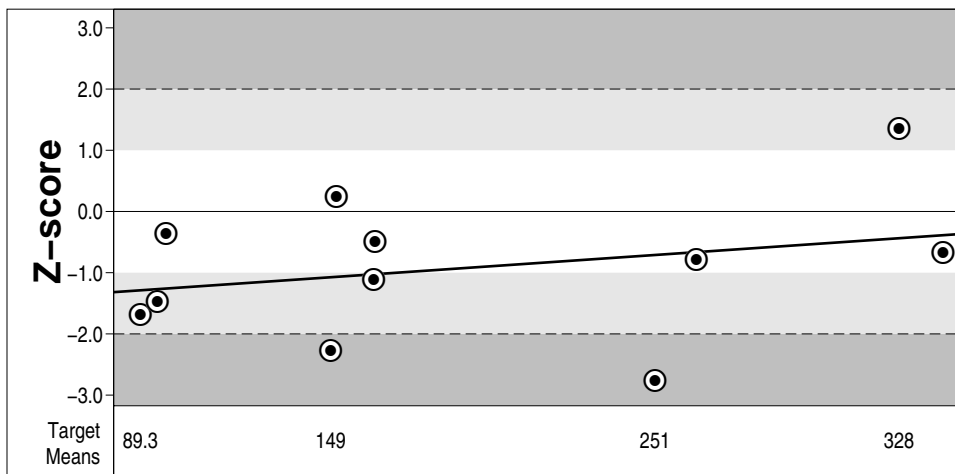
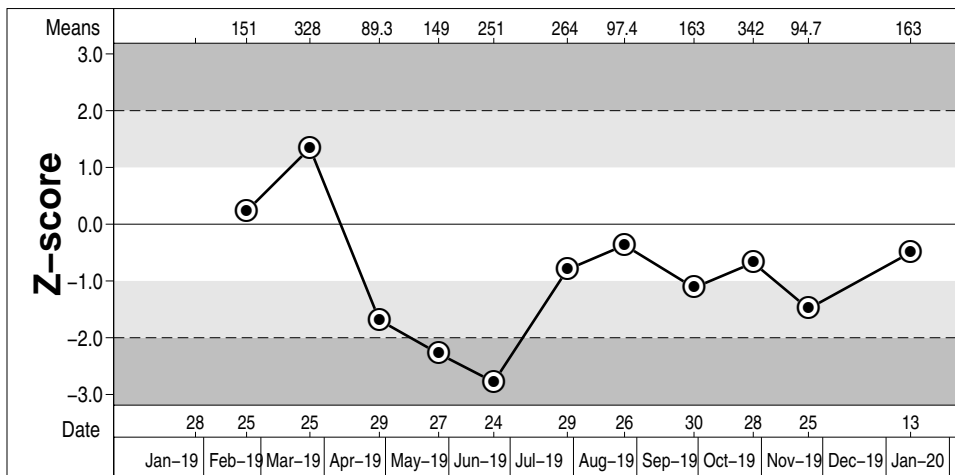
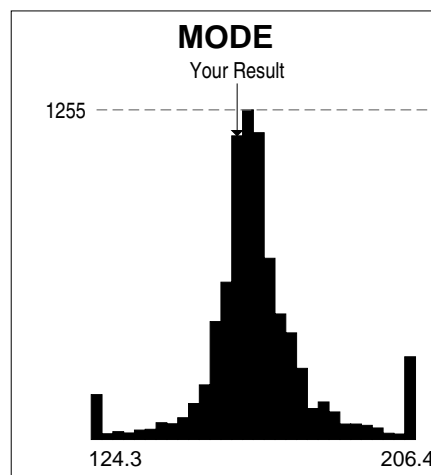
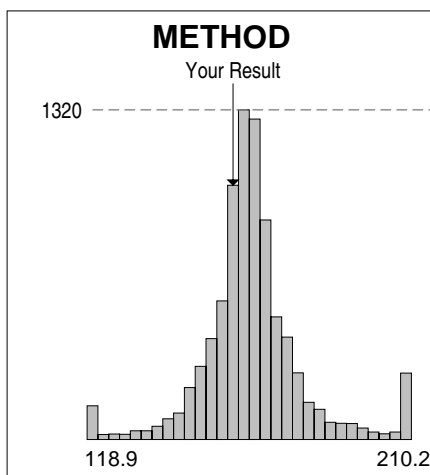
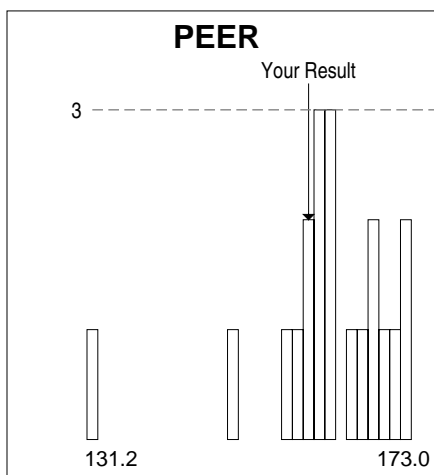
Your Result
160 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	8289	165	8.21	4.96	0.225	-0.65	-1.28	-3.23
Your Method	8501	165	9.12	5.54	0.247	-0.50	-1.09	-2.76
Your Peer	20	163	6.42	3.93	3.59	-0.50	-0.83	-1.98



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	1105	162	2.46	0.300
Beckman Coulter AU Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	818	169	4.07	0.603
VITROS Microslide Series Cholesterol oxidase, esterase, peroxidase VITROS Dry Slides Reagent Group	536	160	2.92	0.505
Roche cobas Integra / c 111 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	509	164	2.81	0.510
Siemens Dimension Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	488	151	3.16	0.540
Abbott ARCHITECT/Alinity (c, i, ci ... Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	478	166	1.66	0.315
BioSystems A15/A25 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	159	171	6.27	2.12
Siemens ADVIA Chemistry Systems Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	155	167	2.01	0.672
Mindray BS Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	142	168	3.67	1.29

Cholesterol, Total 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Creatinine Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



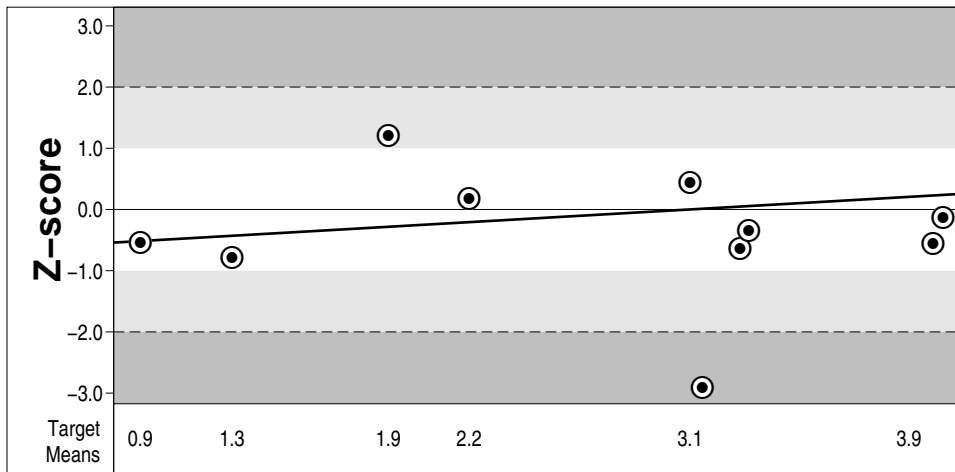
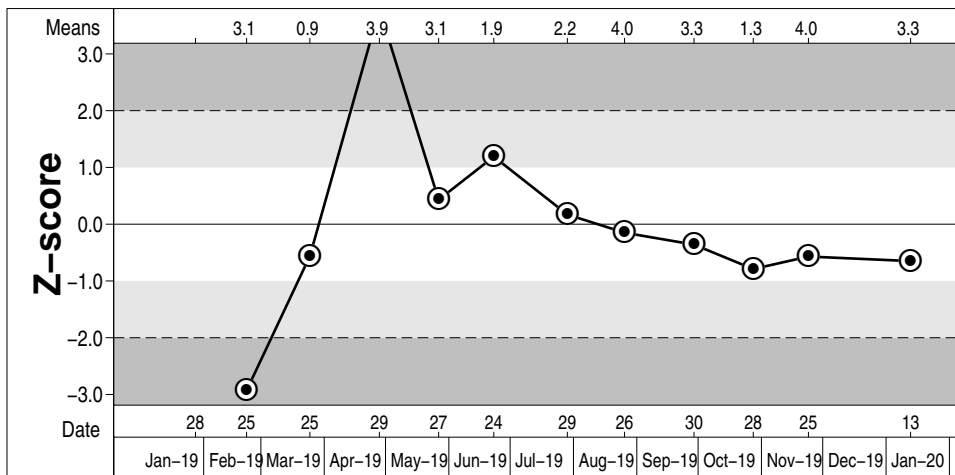
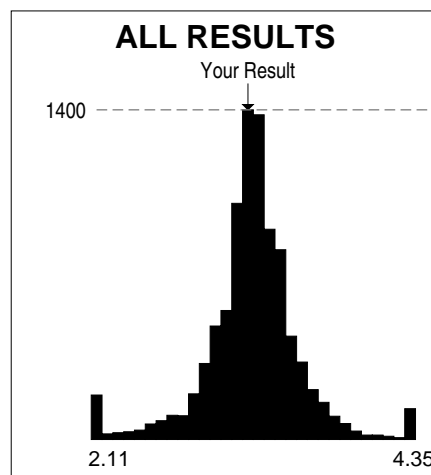
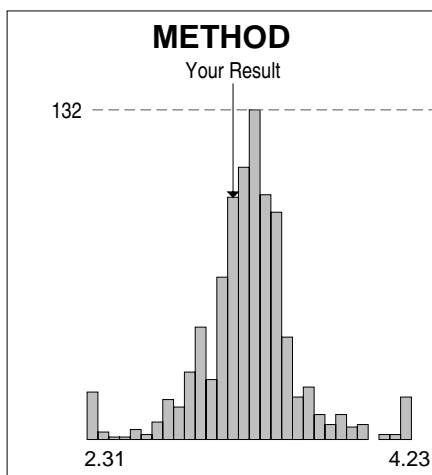
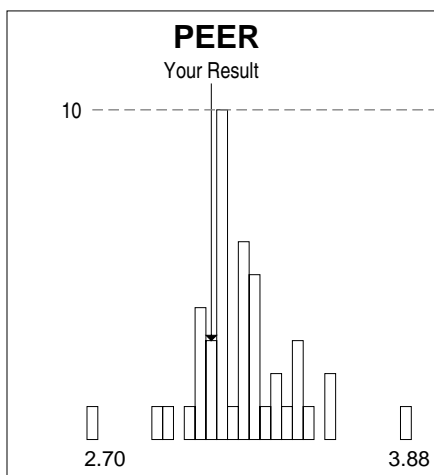
Erba EM 200/XL-200

Your Result
3.17 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	9225	3.23	0.224	6.93	0.006	-0.27	0.22	-1.84
■ Your Method	891	3.27	0.192	5.88	0.016	-0.52	-0.23	-3.08
● Your Peer	44	3.25	0.126	3.87	0.047	-0.65	-0.39	-2.51



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	714	3.22	3.56	0.011
Beckman Coulter AU Series Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	564	3.20	2.91	0.010
VITROS Microslide Series Enzymatic-VITROS, IFCC-IDMS Standardized VITROS Dry Slides Reagent Group	549	3.12	3.26	0.011
Roche cobas Integra / c 111 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	387	3.07	4.42	0.017
Roche cobas 6000/c 311 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	354	3.34	2.30	0.010
Abbott ARCHITECT/Alinity (c, i, ci ... Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	287	3.62	2.75	0.015
Beckman Coulter AU Series Alkaline picrate method Dedicated Reagent	273	3.18	3.81	0.018
Siemens Dimension Series Alkaline picrate method Dedicated Reagent	267	3.42	2.86	0.015
Roche cobas Integra / c 111 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	216	3.20	3.57	0.019

Creatinine 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Glucose Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

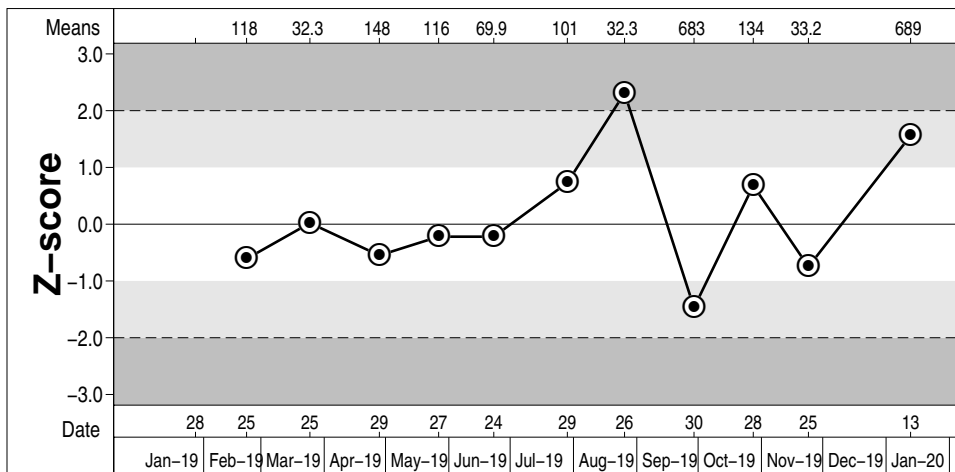
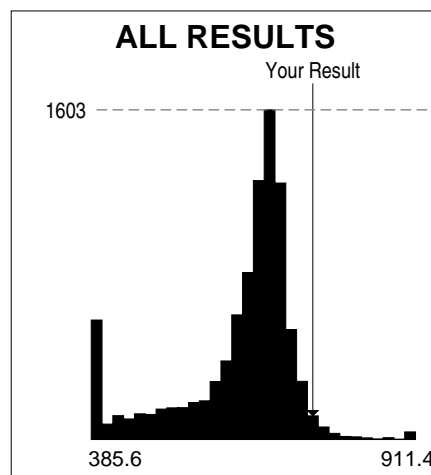
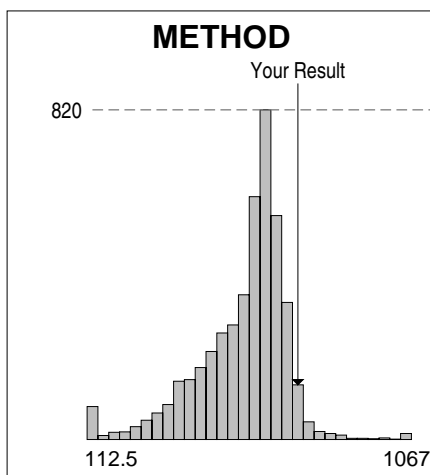
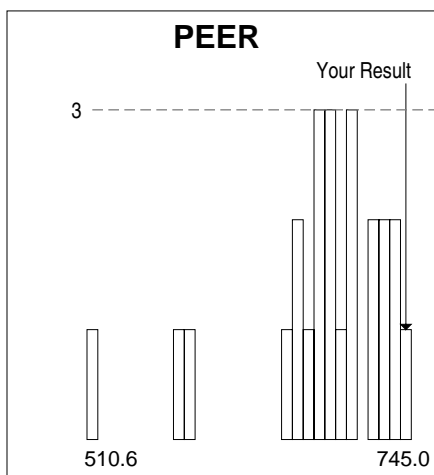
Your Result
745 mg/dL

- ◆ All Results
- Your Method
- Your Peer

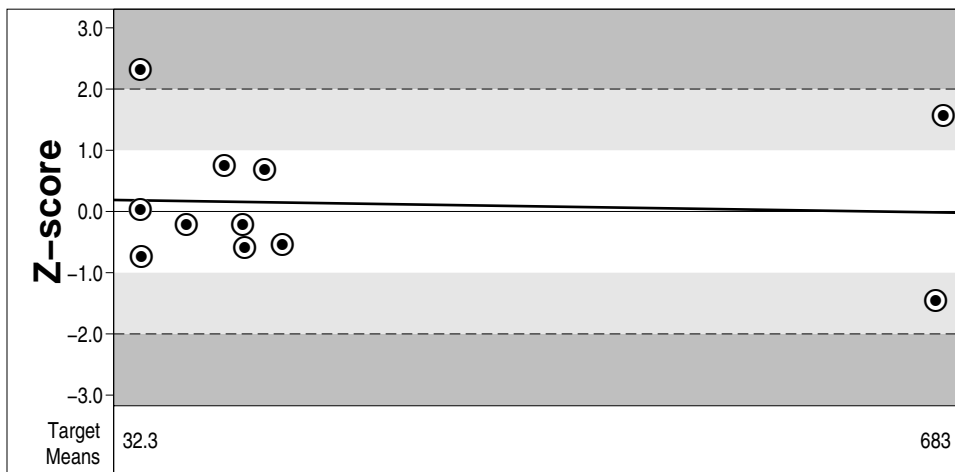
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	9247	649	52.6	8.11	1.37	1.83	0.97	14.9
Your Method	4540	590	95.5	16.2	3.54	1.62	0.74	26.3
Your Peer	24	689	35.8	5.19	18.2	1.56	0.51	8.07

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Hexokinase Dedicated Reagent	1244	675	2.12	1.01
Beckman Coulter AU Series Hexokinase Dedicated Reagent	977	680	2.54	1.38
Roche cobas Integra / c 111 Hexokinase Dedicated Reagent	600	684	2.89	2.01
VITROS Microslide Series Glucose oxidase, hydrogen peroxide (Trinder) VITROS Dry Slides Reagent Group	570	629	2.91	1.92
Abbott ARCHITECT/Alinity (c, i, ci ... Hexokinase Dedicated Reagent	544	708	2.84	2.15
Siemens Dimension Series Hexokinase Dedicated Reagent	543	656	2.63	1.85
BioSystems A15/A25 Glucose oxidase, hydrogen peroxide (Trinder) Dedicated Reagent	147	494	26.3	26.8
Mindray BS Series Glucose oxidase, hydrogen peroxide (Trinder) Mindray Glu (GOD) REF GLU010/110	124	633	8.03	11.4
Siemens ADVIA Chemistry Systems Hexokinase Dedicated Reagent	109	644	2.47	3.80



Glucose 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Protein, Total Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



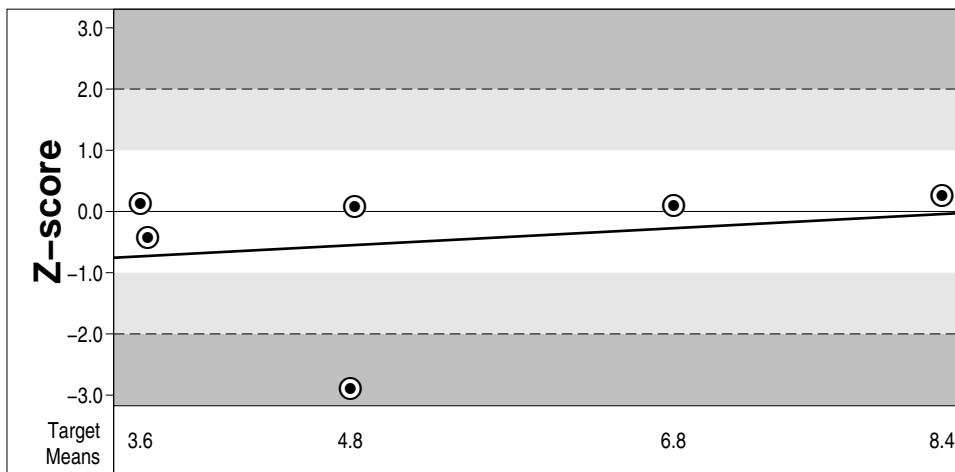
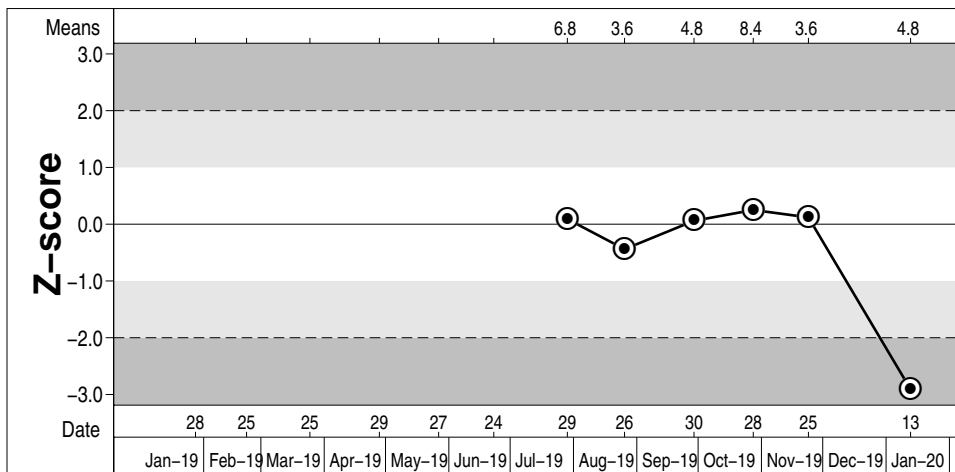
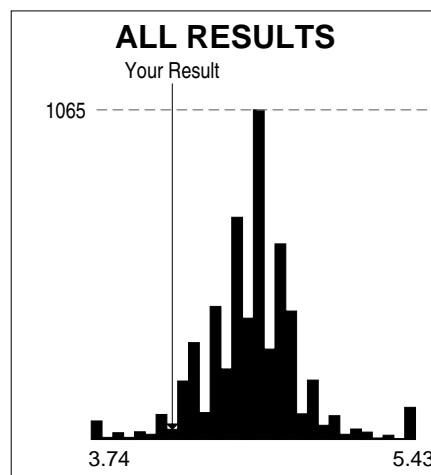
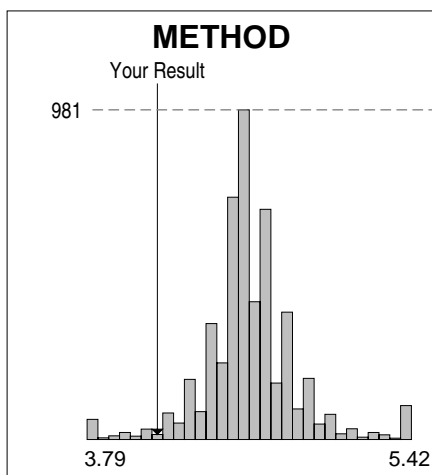
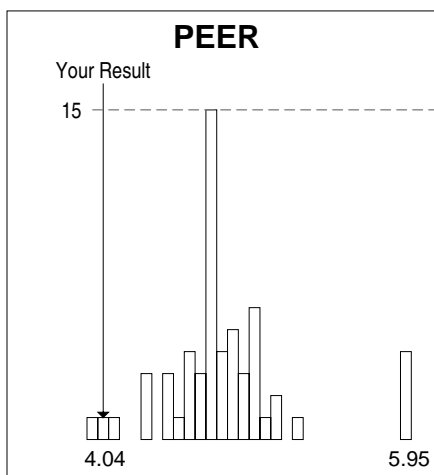
Erba EM 200/XL-200

Your Result
4.16 g/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	5612	4.58	0.170	3.70	0.006	-2.50	0.64	-9.25
■ Your Method	5050	4.60	0.163	3.55	0.006	-2.71	0.56	-9.60
● Your Peer	58	4.82	0.226	4.69	0.074	-2.91	-0.47	-13.6



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Biuret method Dedicated Reagent	1064	4.61	2.26	0.008
Beckman Coulter AU Series Biuret method Dedicated Reagent	940	4.56	2.14	0.008
Siemens Dimension Series Biuret method Dedicated Reagent	512	4.76	2.45	0.013
Abbott ARCHITECT/Alinity (c, i, ci ... Biuret method Dedicated Reagent	470	4.56	2.24	0.012
VITROS Microslide Series Biuret, no serum blank, end point-VITROS VITROS Dry Slides Reagent Group	453	4.29	3.28	0.017
Roche cobas Integra / c 111 Biuret method Dedicated Reagent	283	4.36	2.87	0.019
Siemens ADVIA Chemistry Systems Biuret method Dedicated Reagent	164	4.48	3.88	0.034
Roche cobas c 111 Biuret method Dedicated Reagent	77	4.68	4.83	0.064
Mindray BS Series Biuret method Dedicated Reagent	71	4.62	3.93	0.054

Protein, Total 18 : 6
CYCLE SAMPLE

Triglycerides Report

Lab 754498

Clinical Chemistry (Monthly) Program

Cycle 18



LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Jul 2019 – Jul 2020

Sample No: 6

Sample Date: 13 Jan 20

Lot No: 211700

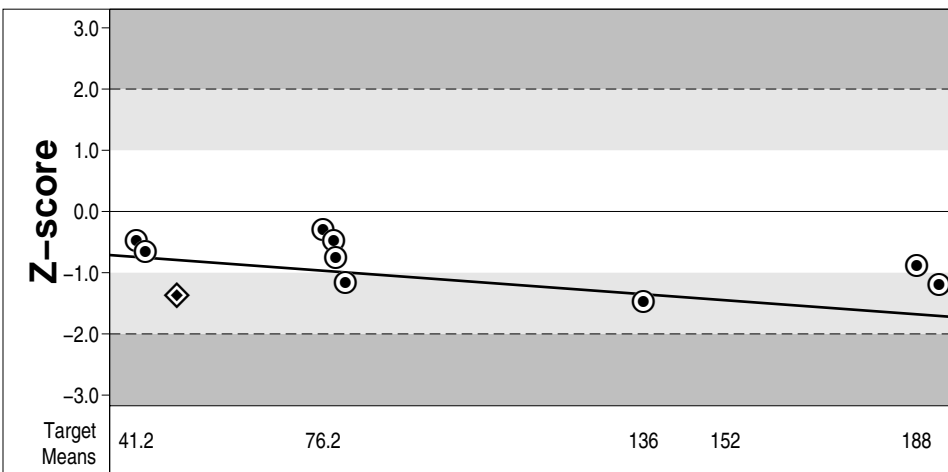
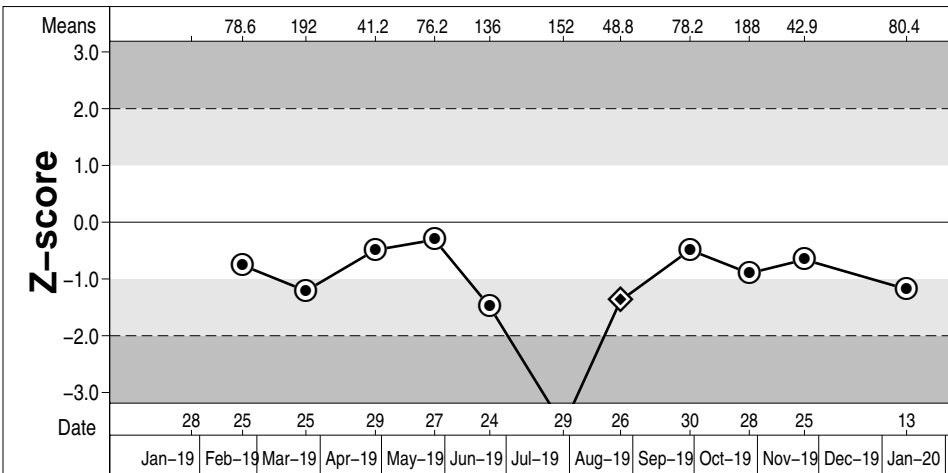
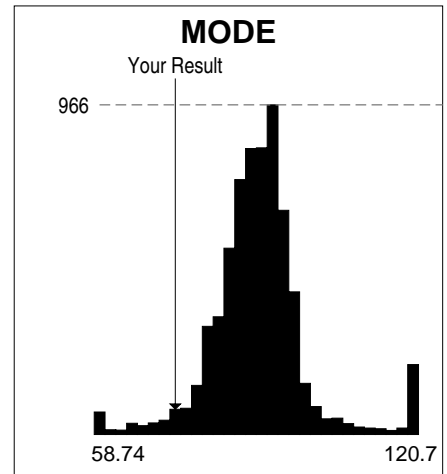
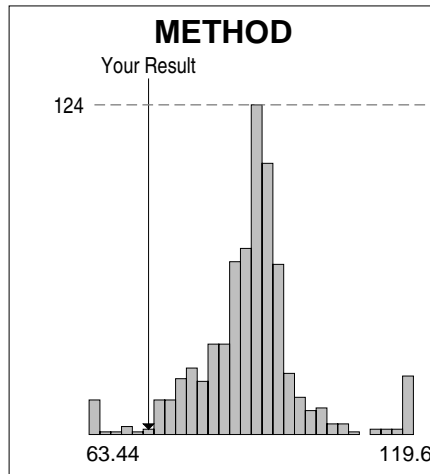
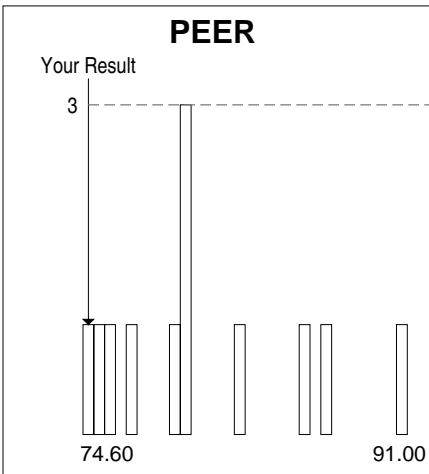


Erba EM 200/XL-200

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Result 74.6 mg/dL								
◆ Your Mode	6849	89.7	6.20	6.91	0.187	-2.44	-2.35	-16.9
■ Your Method	699	91.5	5.61	6.13	0.531	-3.01	-2.54	-18.5
● Your Peer	12	80.4	4.92	6.12	3.55	-1.18	-0.73	-7.22



	N	Mean	CV	U ¹
Beckman Coulter AU Series				
Enzymatic, end point				
Dedicated Reagent	897	86.6	3.24	0.234
Roche cobas 6000/c 311				
Enzymatic, end point				
Dedicated Reagent	758	94.5	2.56	0.220
Siemens Dimension Series				
Enzymatic, end point				
Dedicated Reagent	476	84.0	3.78	0.364
VITROS Microslide Series				
Enzymatic, end point				
VITROS Dry Slides Reagent Group	458	90.5	2.85	0.301
Abbott ARCHITECT/Alinity (c, i, ci ...)				
Enzymatic, end point				
Dedicated Reagent	410	92.0	2.88	0.327
Roche cobas Integra / c 111				
Enzymatic, end point				
Dedicated Reagent	390	91.0	3.00	0.346
Siemens ADVIA Chemistry Systems				
Enzymatic, end point				
Dedicated Reagent	160	95.2	2.60	0.490
Roche cobas 6000/c 311				
Enzymatic with glycerol blank				
Dedicated Reagent	157	94.6	2.26	0.427
Roche cobas 8000				
Enzymatic, end point				
Dedicated Reagent	139	94.0	2.43	0.485

Triglycerides 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Urea Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



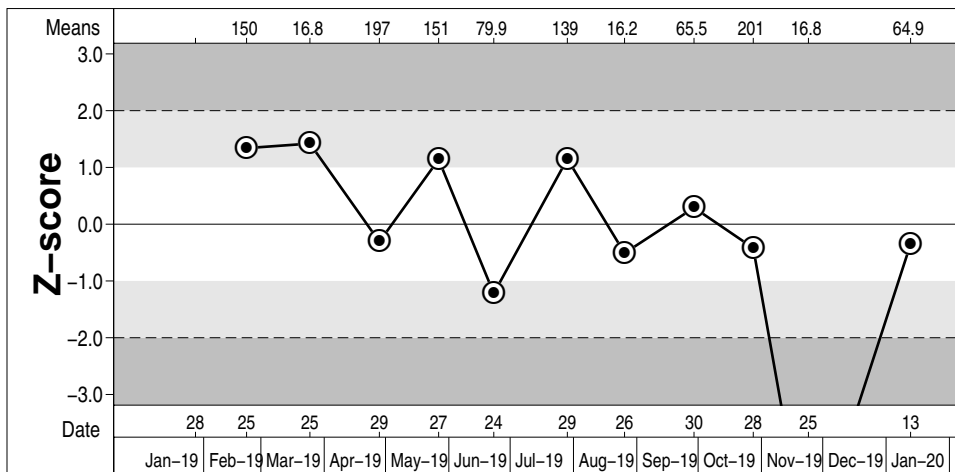
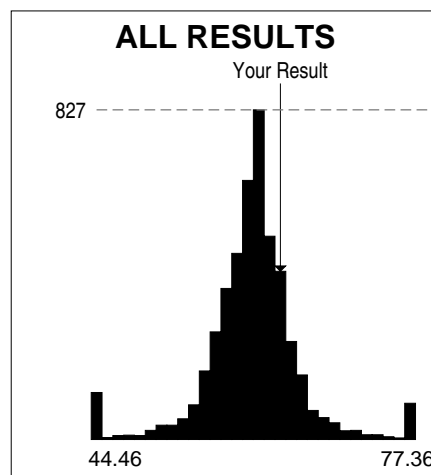
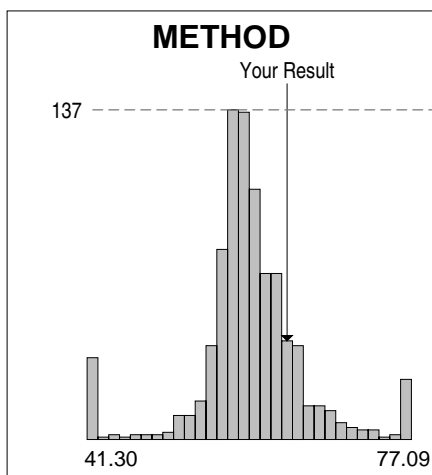
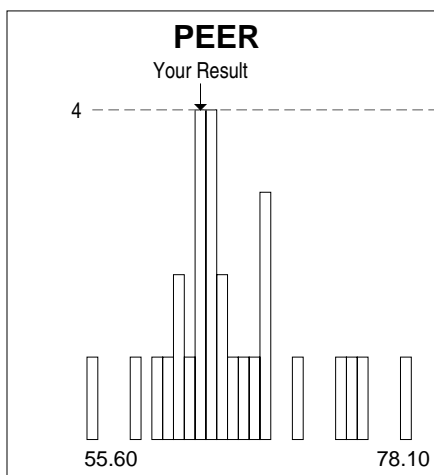
Erba EM 200/XL-200

Your Result
63.7 mg/dL

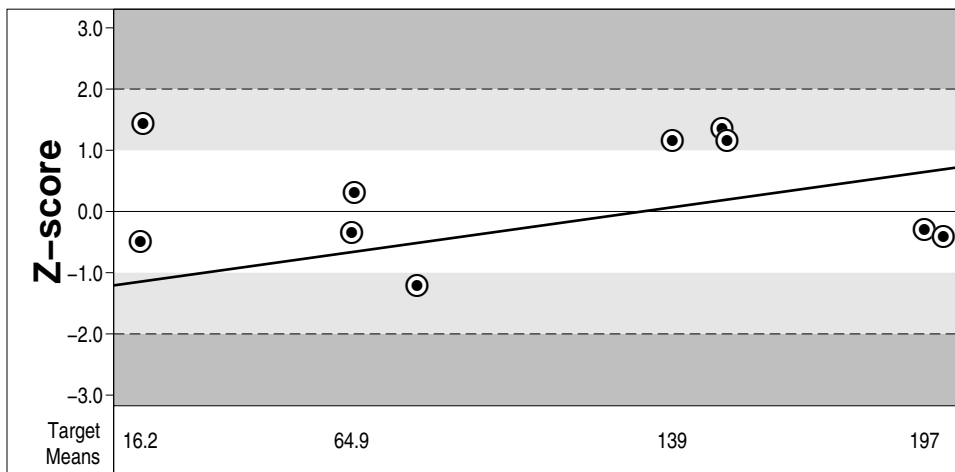
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	4834	60.9	3.29	5.40	0.118	0.85	-0.30	4.59
■ Your Method	884	59.2	3.58	6.05	0.301	1.26	0.06	7.62
● Your Peer	28	64.9	3.38	5.20	1.60	-0.35	-0.95	-1.84



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Urease, UV Dedicated Reagent	744	60.9	2.79	0.155
Beckman Coulter AU Series Urease, UV Dedicated Reagent	657	62.1	3.16	0.191
VITROS Microslide Series Urease, colorimetric VITROS Dry Slides Reagent Group	302	57.4	2.50	0.206
Roche cobas Integra / c 111 Urease, UV Dedicated Reagent	275	58.8	4.57	0.405
Siemens Dimension Series Urease, UV Dedicated Reagent	248	61.8	4.55	0.446
Abbott ARCHITECT/Alinity (c, i, ci ... Urease, UV Dedicated Reagent	216	61.2	3.16	0.329
Roche cobas 8000 Urease, UV Dedicated Reagent	135	59.7	2.91	0.374
Siemens ADVIA Chemistry Systems Urease, UV Dedicated Reagent	120	62.7	2.77	0.397
Roche cobas 6000/c 311 Urease, colorimetric Dedicated Reagent	95	60.7	3.38	0.527



Urea 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Uric Acid Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Erba EM 200/XL-200

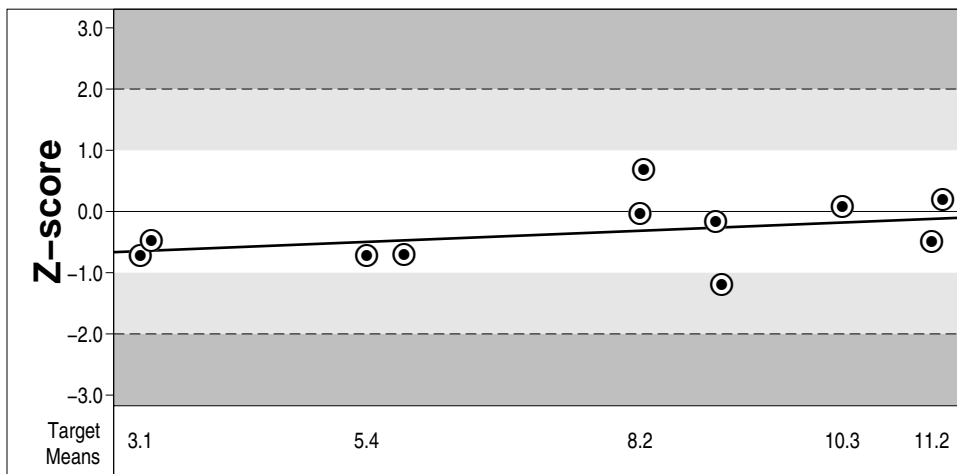
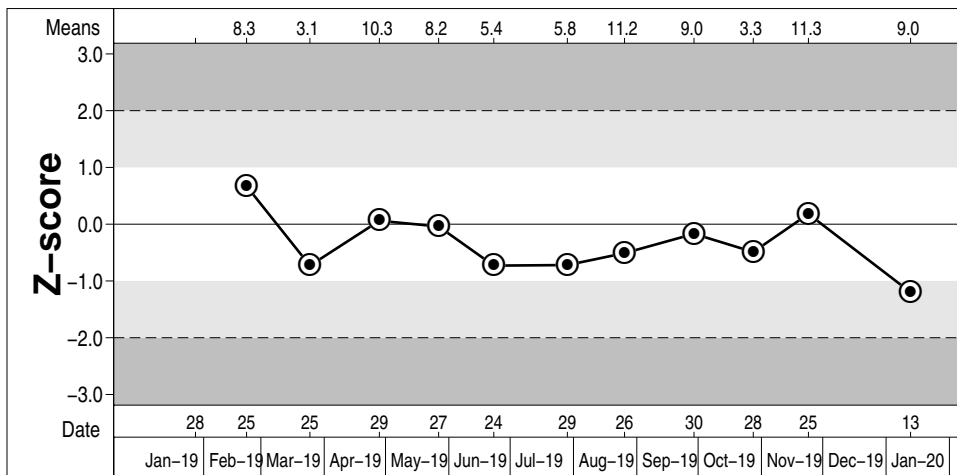
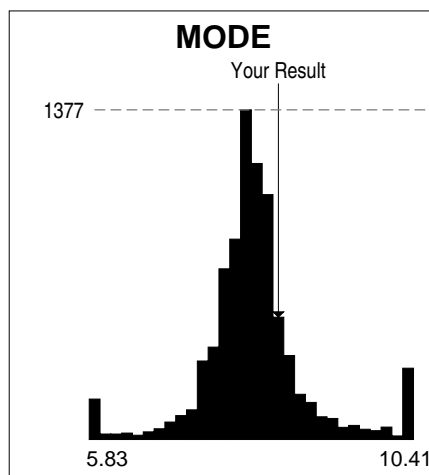
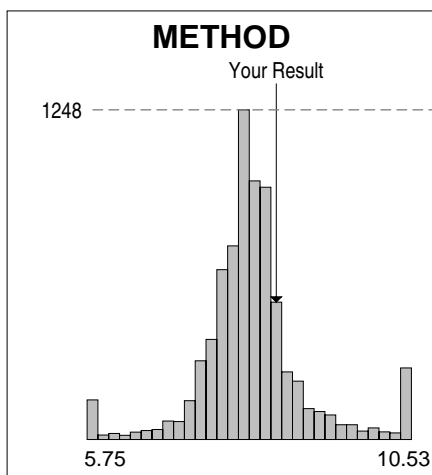
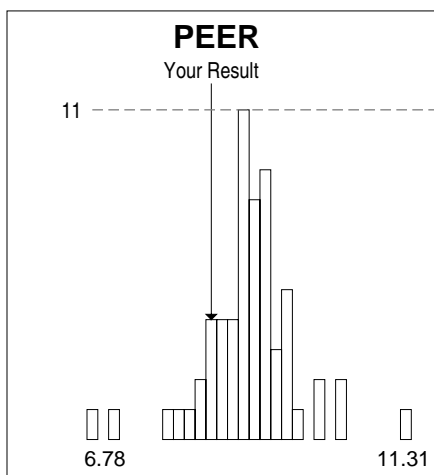
Your Result
8.5 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	8396	8.12	0.457	5.63	0.012	0.83	1.20	4.70
Your Method	7653	8.14	0.477	5.86	0.014	0.75	1.09	4.42
Your Peer	61	9.04	0.453	5.01	0.145	-1.20	-0.49	-6.01

Your Deviation



	N	Mean	CV	U ¹
Beckman Coulter AU Series Uricase, colorimetric Dedicated Reagent	912	8.37	2.16	0.015
Roche cobas 6000/c 311 Uricase, colorimetric Dedicated Reagent	858	7.98	2.41	0.016
VITROS Microslide Series Uricase, colorimetric VITROS Dry Slides Reagent Group	534	7.61	2.20	0.018
Roche cobas Integra / c 111 Uricase, colorimetric Dedicated Reagent	518	8.19	3.18	0.029
Abbott ARCHITECT/Alinity (c, i, ci ...) Uricase, colorimetric Dedicated Reagent	469	8.14	1.59	0.015
Siemens Dimension Series Uricase, UV Dedicated Reagent	438	8.06	1.97	0.019
Roche cobas 8000 Uricase, colorimetric Dedicated Reagent	167	7.89	1.93	0.029
Siemens ADVIA Chemistry Systems Uricase, colorimetric Dedicated Reagent	161	8.18	1.78	0.029
BioSystems A15/A25 Uricase, colorimetric Dedicated Reagent	138	8.27	7.18	0.126

Uric Acid 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

T3, Free Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



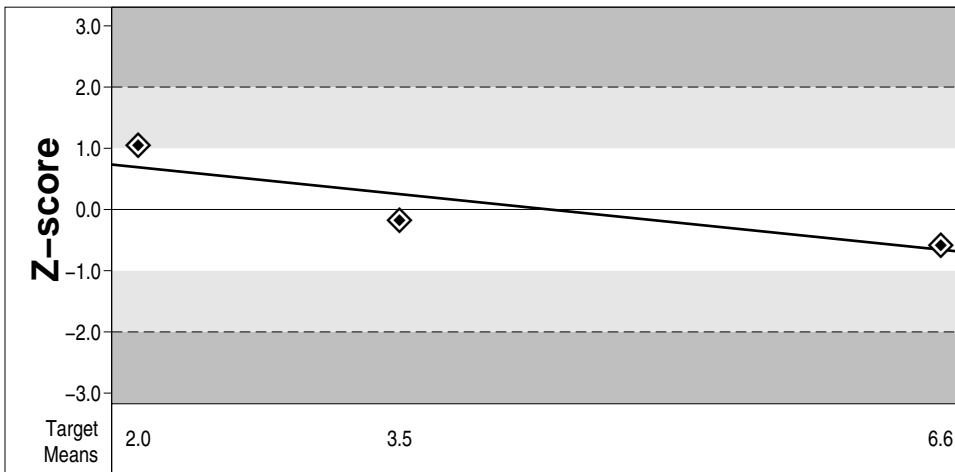
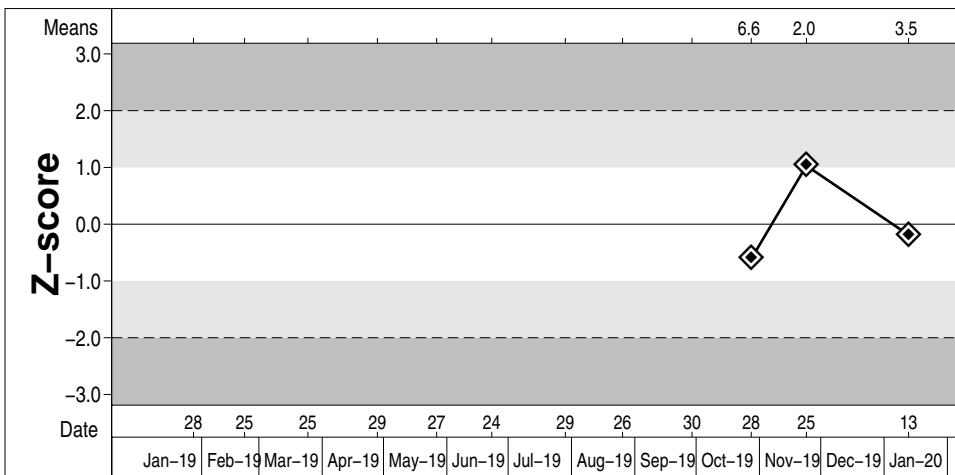
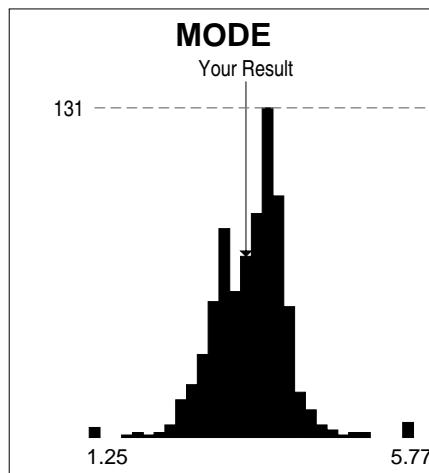
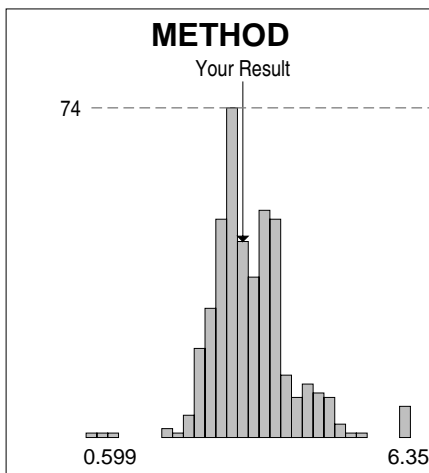
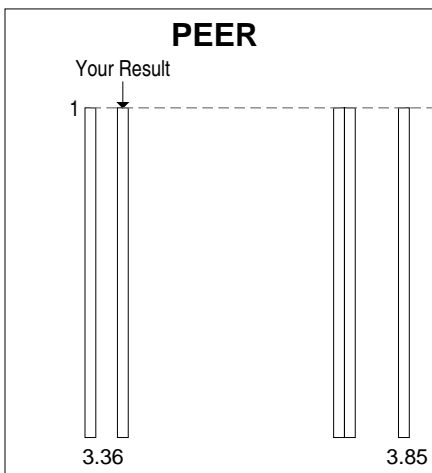
Mindray CL-900i

Your Result
3.42 pg/mL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	767	3.51	0.452	12.9	0.041	-0.19	0.08	-2.46
■ Your Method	429	3.48	0.576	16.6	0.069	-0.10	0.03	-1.64
◎ Your Peer	5	3.67	0.185	5.04	0.207	-1.34	-0.19	-6.76



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	156	3.79	5.96	0.045
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	99	3.67	4.21	0.039
bioMérieux VIDAS Group FIA Dedicated Reagent	79	3.13	10.6	0.093
Abbott ARCHITECT i1000/ci4100 Series Chemiluminescence Dedicated Reagent	63	3.17	10.0	0.100
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	57	3.21	6.26	0.067
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	56	3.86	3.04	0.039
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	53	3.06	8.98	0.094
VITROS Microwell Series Chemiluminescence Dedicated Reagent	45	4.67	6.70	0.117
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	34	3.97	3.29	0.056

T3, Free 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

T3, Total Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020

Sample No: 6

Sample Date: 13 Jan 20

Lot No: 211700



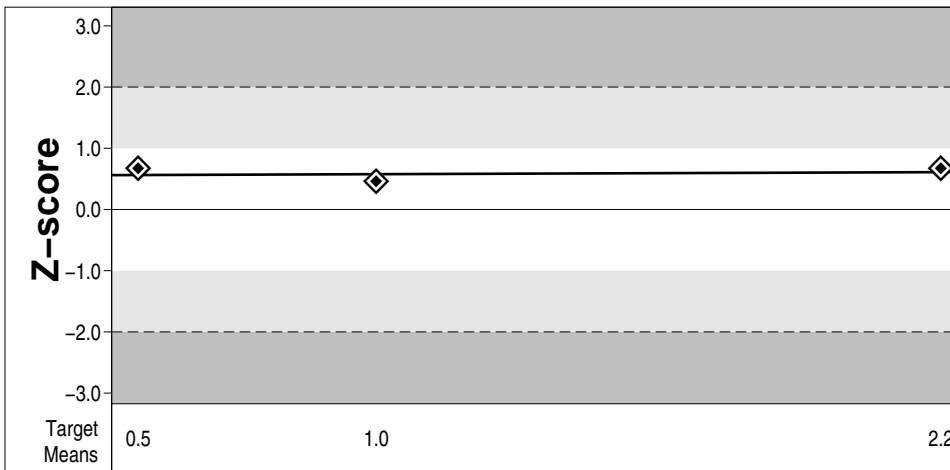
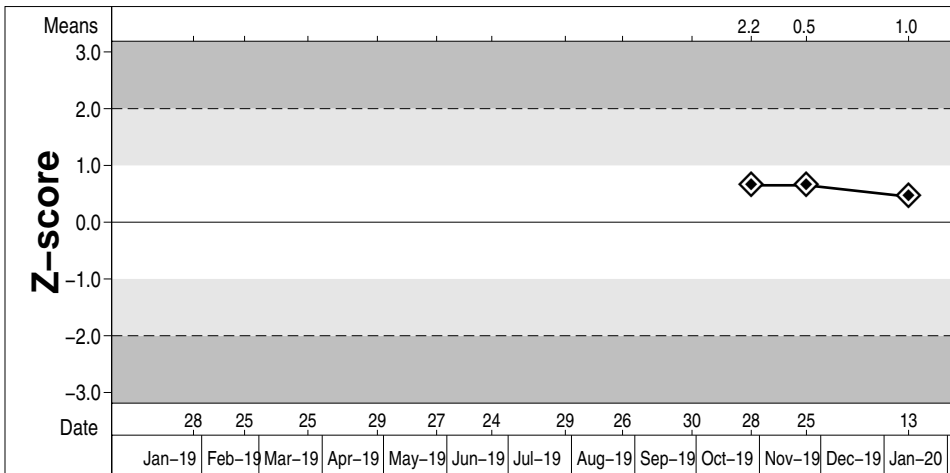
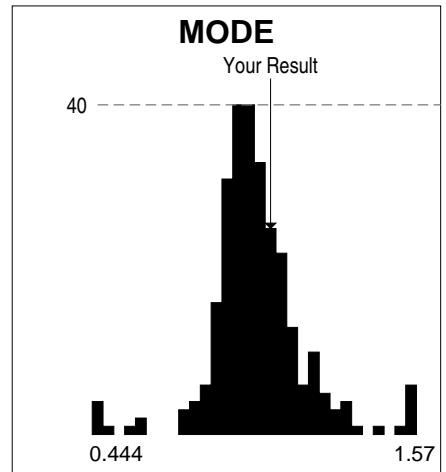
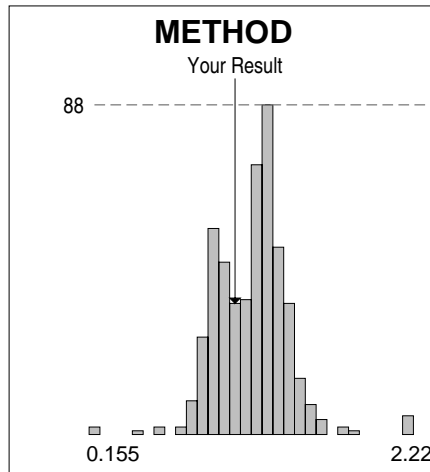
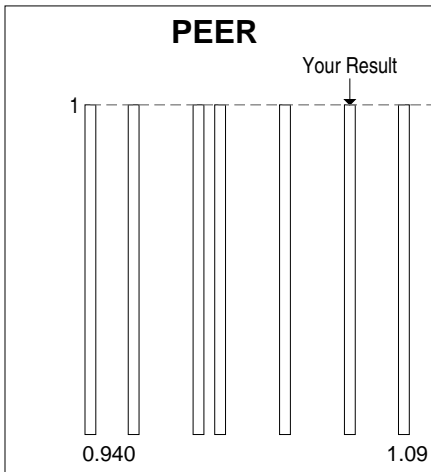
Mindray CL-900i

Your Result
1.06 ng/mL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	278	1.01	0.113	11.2	0.017	0.45	0.58	5.03
■ Your Method	494	1.19	0.207	17.4	0.023	-0.62	-0.50	-10.8
◎ Your Peer	7	1.01	0.060	5.98	0.057	0.83	0.50	4.97



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	171	1.26	9.15	0.022
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	94	1.23	5.47	0.017
bioMérieux VIDAS Group FIA Dedicated Reagent	85	1.04	9.95	0.028
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	82	1.23	9.60	0.033
Abbott ARCHITECT i1000/ci4100 Series Chemiluminescence Dedicated Reagent	81	0.966	7.93	0.021
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	73	1.34	8.15	0.032
VITROS Microwell Series Chemiluminescence Dedicated Reagent	58	1.29	5.03	0.021
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	48	1.36	8.60	0.042
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	30	0.941	5.89	0.025

T3, Total 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

T4, Free Report
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020

Sample No: 6

Sample Date: 13 Jan 20

Lot No: 211700



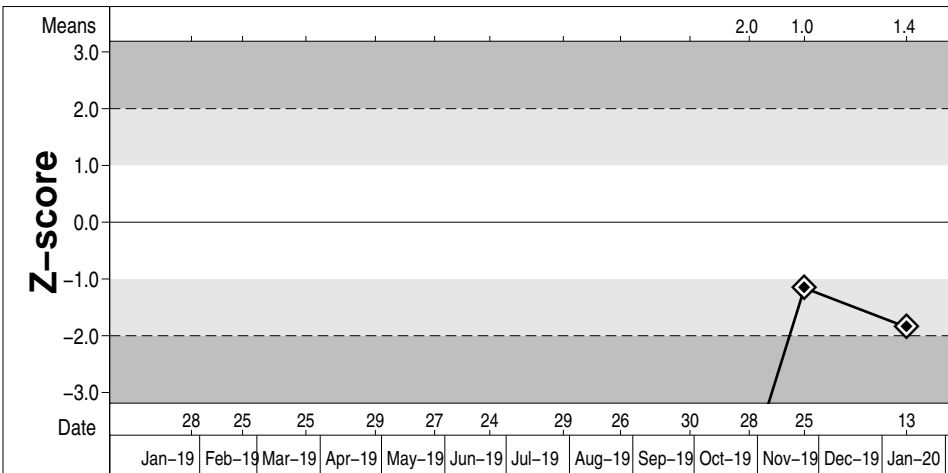
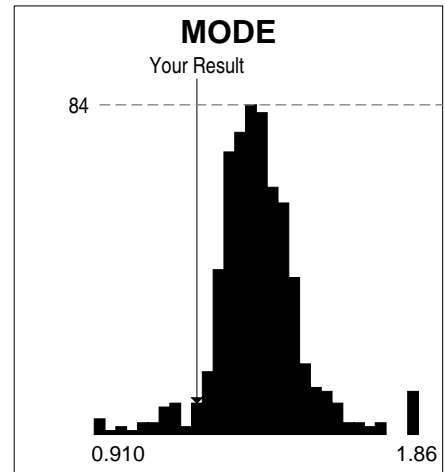
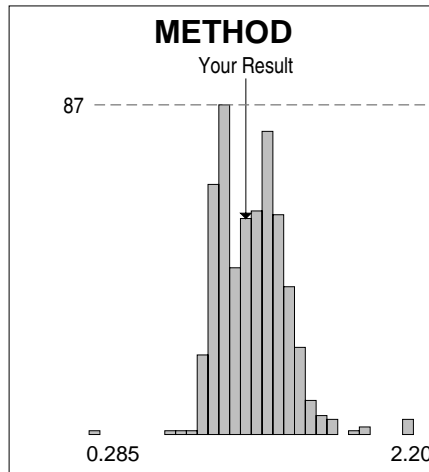
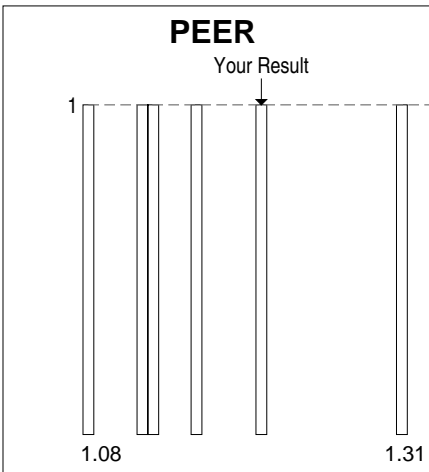
Mindray CL-900i

Your Result
1.21 ng/dL

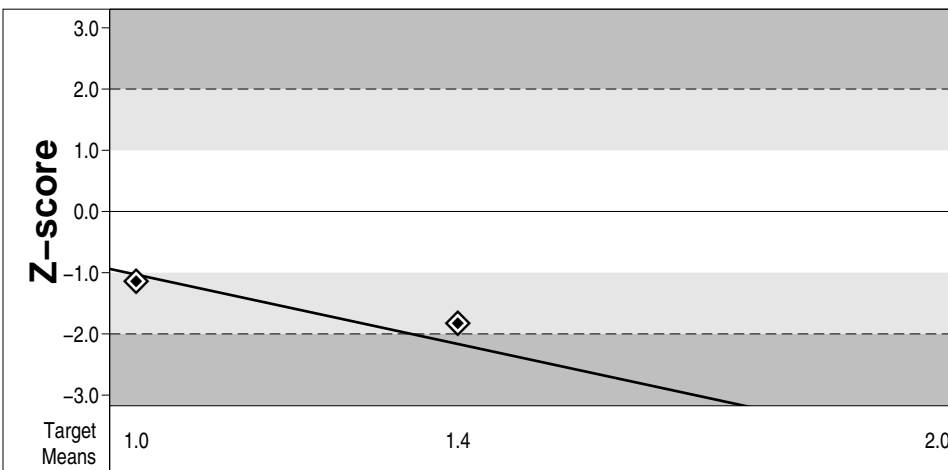
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	645	1.39	0.095	6.86	0.009	-1.85	-2.43	-12.7
■ Your Method	563	1.24	0.192	15.4	0.020	-0.17	-0.39	-2.65
◎ Your Peer	6	1.16	0.069	5.98	0.071	0.76	0.13	4.53



	N	Mean	CV	U ¹
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	149	1.05	4.03	0.009
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	135	1.41	5.59	0.017
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	77	1.25	7.02	0.025
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	77	1.36	4.19	0.016
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	61	1.34	6.96	0.030
bioMérieux VIDAS Group FIA bioMérieux VIDAS FT4N (REF 30459)	58	0.948	7.90	0.025
VITROS Microwell Series Chemiluminescence Dedicated Reagent	53	1.43	7.13	0.035
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Roche FT4 II, REF 06437281160	53	1.43	6.48	0.032
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	43	1.41	7.26	0.039



T4, Free 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

T4, Total Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



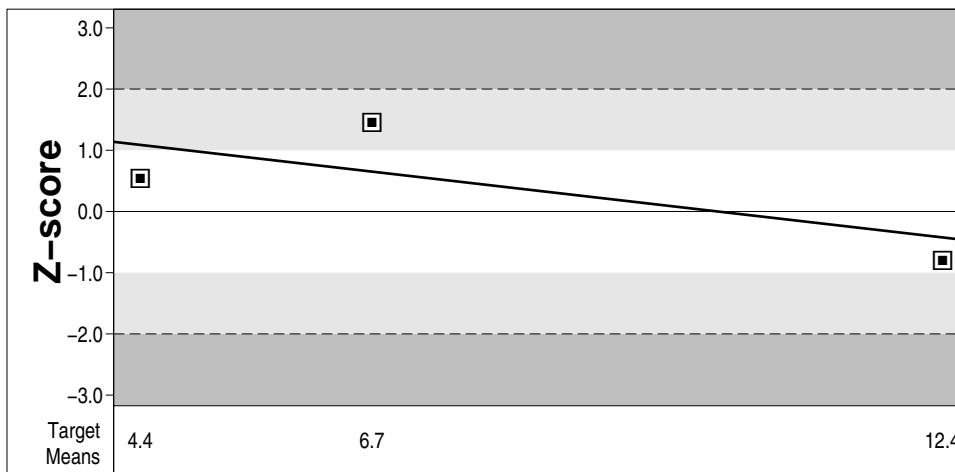
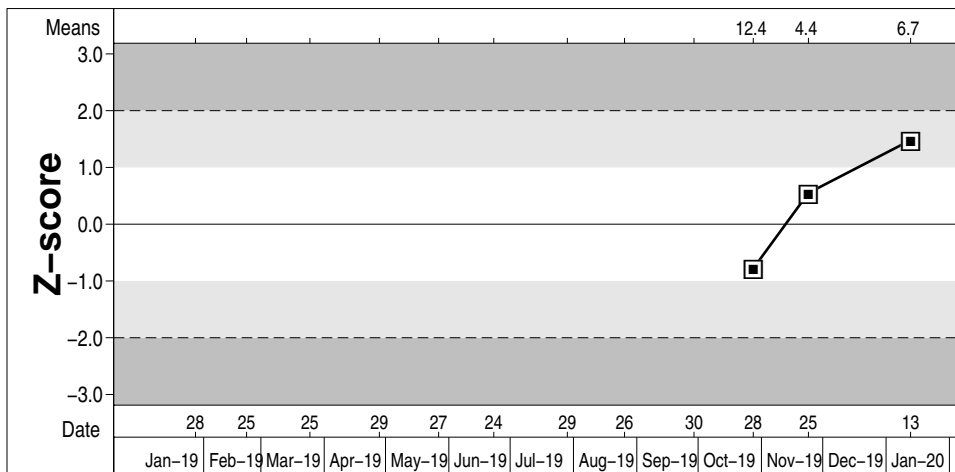
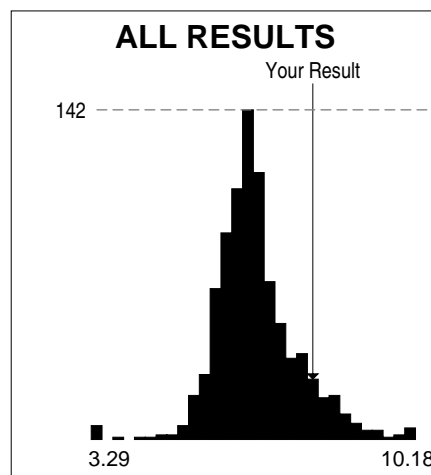
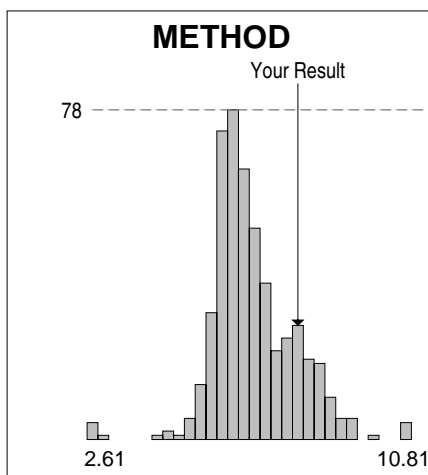
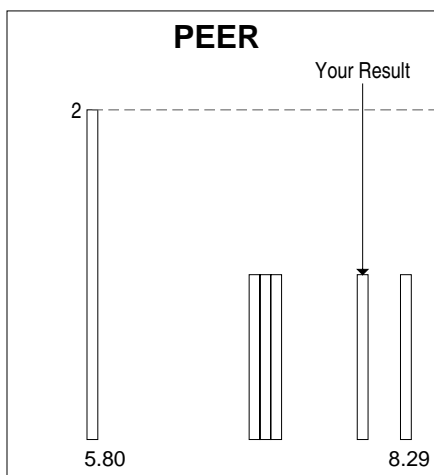
Mindray CL-900i

Your Result
7.92 µg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	872	6.73	0.689	10.2	0.058	1.72	0.60	17.6
■ Your Method	493	6.71	0.820	12.2	0.092	1.48	0.42	18.0
○ Your Peer	7	7.05	1.06	15.1	1.01	0.82	-0.15	12.4



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	173	6.70	6.55	0.083
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	113	6.17	5.07	0.074
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	94	6.68	4.57	0.079
bioMérieux VIDAS Group FIA Dedicated Reagent	85	7.00	6.59	0.125
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	83	8.00	7.59	0.167
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	71	6.12	5.21	0.095
VITROS Microwell Series Chemiluminescence Dedicated Reagent	61	6.91	3.78	0.084
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	46	6.52	4.77	0.115
Beckman Coulter UniCel Dxl Series Chemiluminescence Dedicated Reagent	26	8.10	9.20	0.365

T4, Total 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

TSH Report
Clinical Chemistry (Monthly) Program

Cycle 18
Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



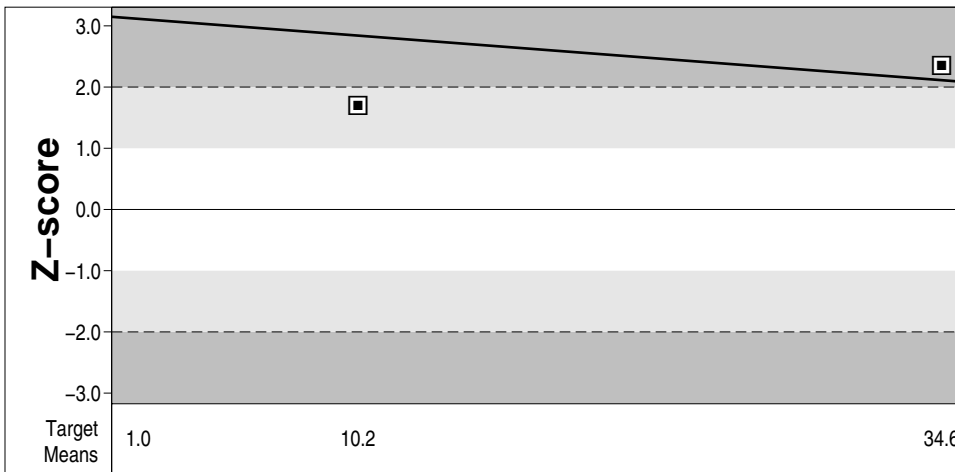
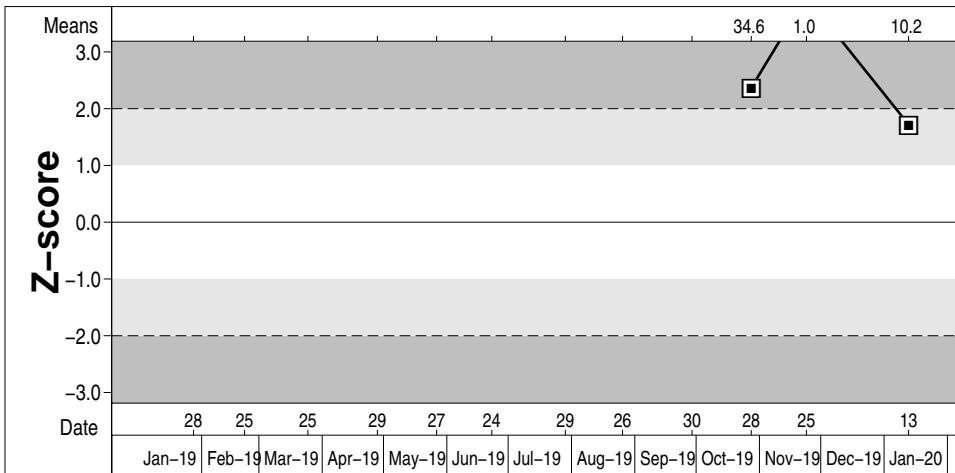
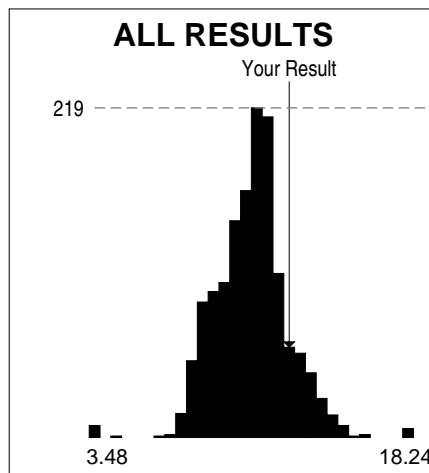
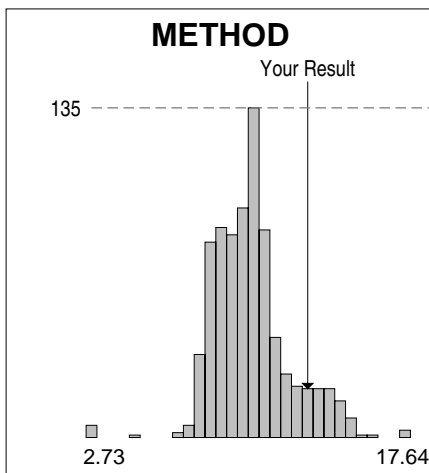
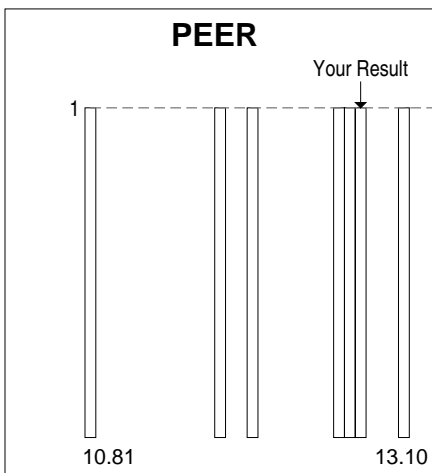
Mindray CL-900i

Your Result
12.75 μ U/mL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	1435	10.9	1.48	13.6	0.097	1.28	2.30	17.4
■ Your Method	786	10.2	1.49	14.6	0.133	1.72	2.69	25.2
● Your Peer	7	12.3	0.671	5.44	0.634	0.61	1.26	3.31



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	279	11.3	4.70	0.079
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	200	8.70	5.96	0.092
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	177	11.7	3.64	0.080
bioMérieux VIDAS Group FIA Dedicated Reagent	125	12.8	7.75	0.222
VITROS Microwell Series Chemiluminescence Dedicated Reagent	70	10.4	3.28	0.102
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	60	10.6	5.53	0.188
Siemens ADVIA Centaur Systems Chemiluminescence Siemens Centaur TSH3-Ultra, REF 06491080	47	9.49	4.56	0.158
Siemens ADVIA Centaur Systems Chemiluminescence Siemens Centaur TSH, REF 08700387	46	13.8	6.15	0.313
Siemens ADVIA Centaur CP Chemiluminescence Siemens Centaur TSH, REF 08700387	35	13.5	5.69	0.324

TSH 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Potassium Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



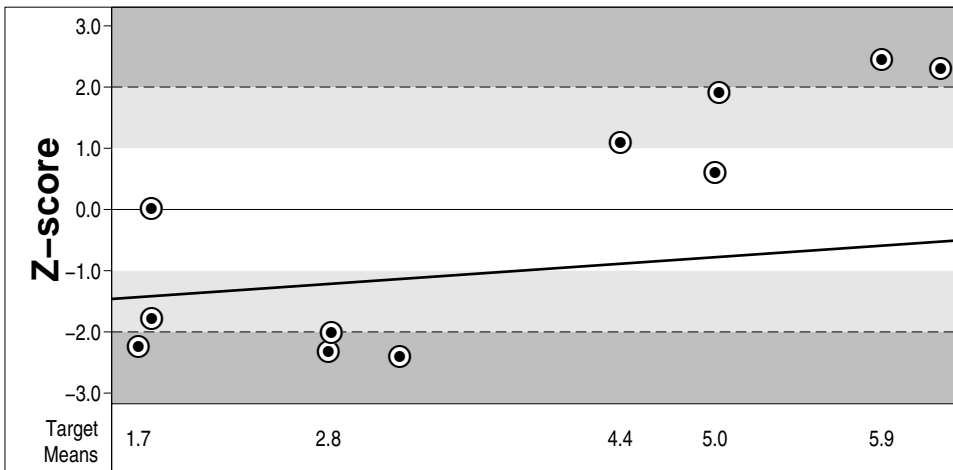
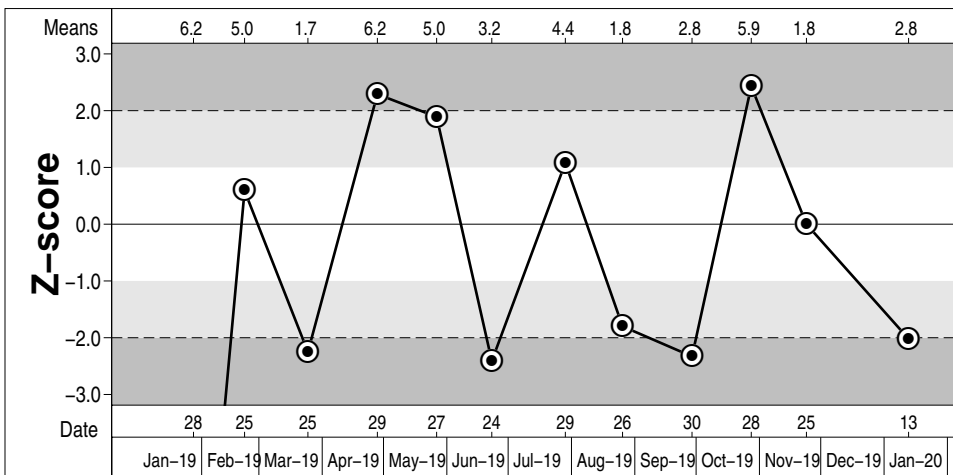
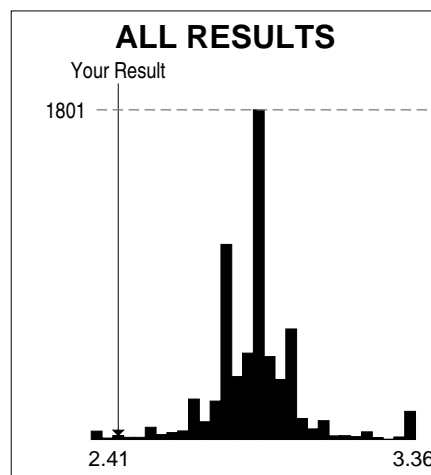
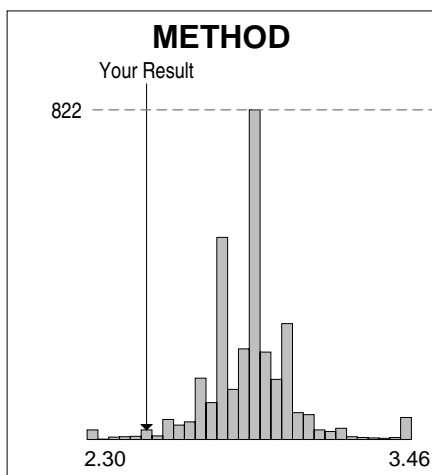
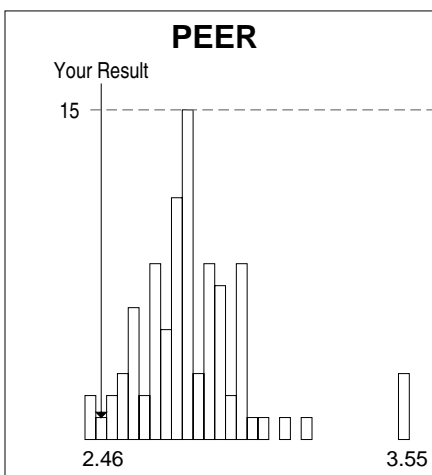
SENSA CORE – ST-100/100B/100C /200

Comparative Statistics

Your Deviation

Your Result
2.5 mEq/L

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	6431	2.89	0.094	3.27	0.003	-4.08	-1.46	-13.3
■ Your Method	3068	2.88	0.116	4.03	0.005	-3.26	-1.19	-13.1
○ Your Peer	90	2.80	0.150	5.34	0.039	-2.02	-0.44	-10.8



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 ISE indirect Dedicated Reagent	914	2.93	1.76	0.004
Beckman Coulter AU Series ISE indirect Dedicated Reagent	819	2.89	1.10	0.003
Medica EasyLyte/Expand ISE direct Dedicated Reagent	512	2.90	4.32	0.014
VITROS Microslide Series ISE direct VITROS Dry Slides Reagent Group	501	2.91	1.12	0.004
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Dedicated Reagent	461	2.89	1.08	0.004
Roche AVL 9100 Series ISE direct Dedicated Reagent	365	2.85	2.72	0.010
Siemens Dimension Xpand/EXL Series ISE indirect Dedicated Reagent	236	2.81	2.02	0.005
Siemens ADVIA Chemistry Systems ISE indirect Dedicated Reagent	155	2.92	1.37	0.008
Medica EasyLyte/Expand ISE direct BioMedica Diagnostics	120	2.88	5.25	0.035

Potassium 18 : 6
CYCLE SAMPLE



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Sodium Report Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



SENSA CORE – ST-100/100B/100C /200

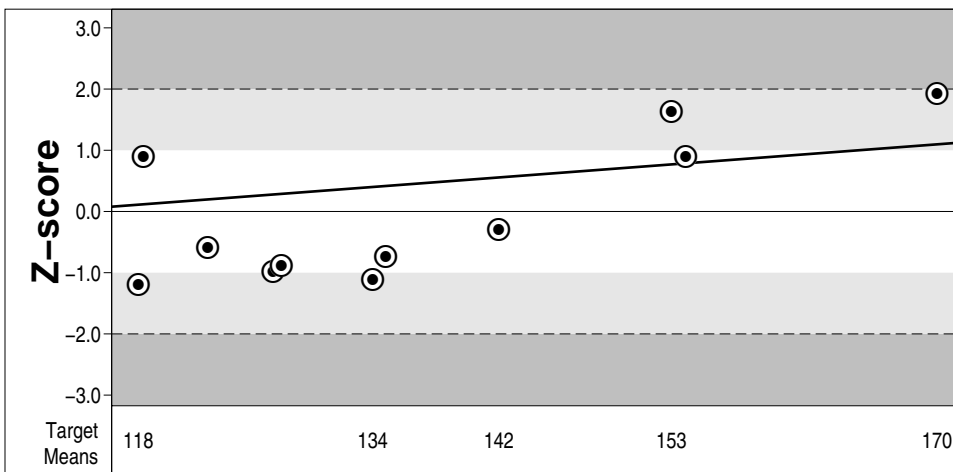
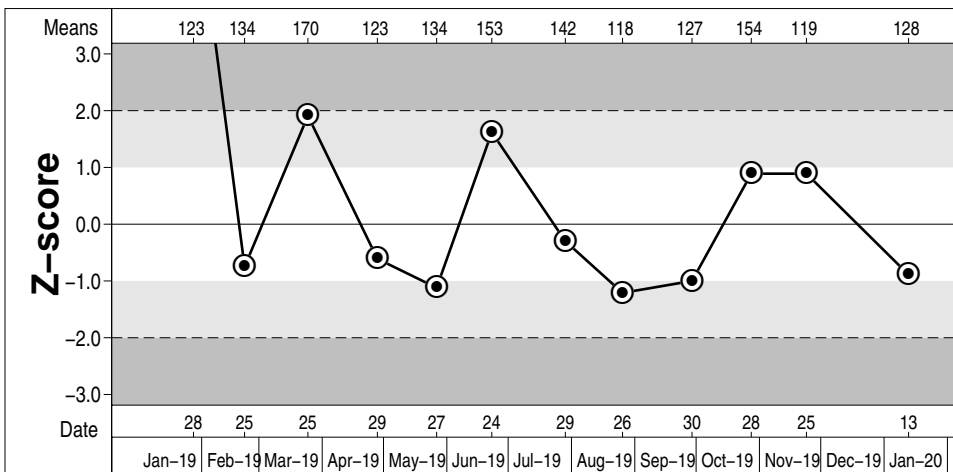
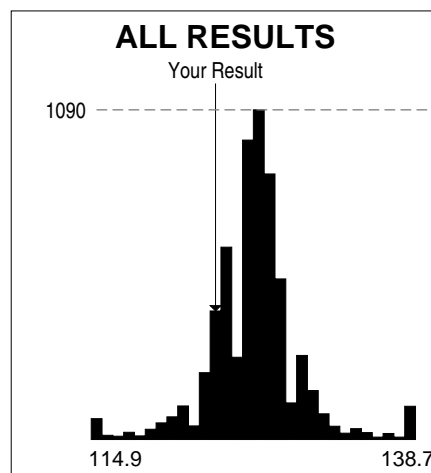
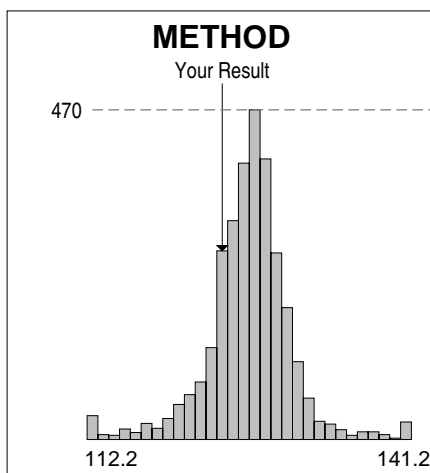
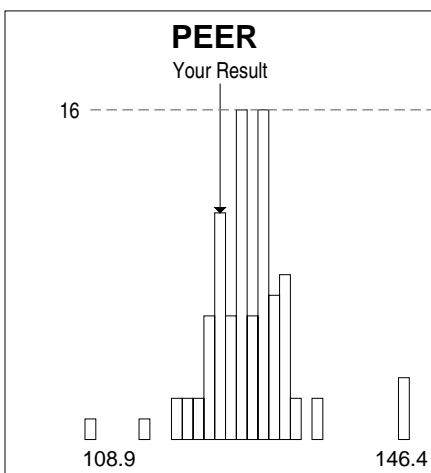
Comparative Statistics

Your Deviation

Your Result

124.3 mEq/L

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	6409	127	2.38	1.87	0.074	-1.04	-0.41	-1.95
■ Your Method	3061	127	2.90	2.29	0.131	-0.82	-0.35	-1.89
● Your Peer	91	128	3.75	2.94	0.982	-0.89	-0.27	-2.62



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 ISE indirect Dedicated Reagent	914	127	1.29	0.136
Beckman Coulter AU Series ISE indirect Dedicated Reagent	822	126	1.28	0.141
Medica EasyLyte/Expand ISE direct Dedicated Reagent	512	126	2.75	0.384
VITROS Microslide Series ISE direct VITROS Dry Slides Reagent Group	500	128	1.23	0.176
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Dedicated Reagent	460	127	1.24	0.184
Roche AVL 9100 Series ISE direct Dedicated Reagent	364	125	1.54	0.253
Siemens Dimension Xpand/EXL Series ISE indirect Dedicated Reagent	237	127	1.15	0.237
Siemens ADVIA Chemistry Systems ISE indirect Dedicated Reagent	155	128	1.23	0.315
Medica EasyLyte/Expand ISE direct BioMedica Diagnostics	122	126	3.26	0.932

Sodium 18 : 6
CYCLE SAMPLE

**Lab 754498**LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA**Data on File Report
Clinical Chemistry (Monthly) Program****Cycle 18**Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700**Sample Numbers**

Analyte Unit	1	2	3	4	5	6	7	8	9	10	11	12
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1

Instrument: Erba Chem 5/Plus

AMYL	U/L	343	964.9	736.9	56.82	1024	724.6
CA	mg/dL	11.9	5.86	8.7	14.26	5.59	11.2
CK	U/L	320	138.3	203.9	435.8	137.4	209
PHOS	mg/dL	5.2	2.09	3.4	8.43	0.76	1.87

Instrument: Erba EM 200

ALB	g/dL	3.97	2.24	2.94	4.51	2.21	2.76
ALKP	U/L	304	81	153	452	75	251
ALT	U/L	75.8	185.8	145.1	21.8	181	133.4
AST	U/L	171.1	30.7	79.3	243.4	30.8	89.5
DBIL	mg/dL	6.73	0.24	0.52	1.97	0.45	1.05
TBIL	mg/dL	6.29	1.25	3.16	9.07	1.08	2.96
HDL	mg/dL	48.9	19.7	31.7	70.3	21.8	30.7
CHOL	mg/dL	251	95	154	331	85	160
CREA	mg/dL	2.22	4.01	3.23	1.21	3.91	3.17
GLUC	mg/dL	105.6	36.9	641.7	136.7	31.1	745
TP	g/dL	6.78	3.51	4.86	8.46	3.58	4.16
TRIG	mg/dL	128.9	42	75.6	167.6	39.3	74.6
UREA	mg/dL	146.1	15.3	66.7	196.5	8.2	63.7
URIC	mg/dL	5.7	10.7	8.9	3.1	11.4	8.5

Instrument: Mindray CL-900i

FT3	pg/mL	-	-	-	5.94	2.33	3.42
TT3	ng/mL	-	-	-	2.28	0.6	1.06
FT4	ng/dL	-	-	-	1.35*	0.89	1.21
TT4	µg/dL	-	-	-	11.42	4.78	7.92
TSH	µIU/mL	-	-	-	44.8	1.56	12.75

Instrument: SENSACORE – ST-100/100B/100C /200

K	mEq/L	4.6	1.5	2.5	6.57	1.79	2.5
NA	mEq/L	140.9	114	123.7	156.9	121.9	124.3

Legend: ✓ No Warnings 1 Late Results $2.0 \leq |Z\text{-score}| < 3.0$ $|Z\text{-score}| \geq 3.0$ - No Result

* Amended Result (per participant's request)



Lab 754498

LEADS HEALTH CARE
3/38 DHARMAPALN BUILDING, KAINATTY
NEAR GOVERNMENT HOSPITAL, KALPETTA NORTH
WAYANAD KERALA 673122
INDIA

Sample Comments
Clinical Chemistry (Monthly) Program

Cycle 18

Jul 2019 – Jul 2020
Sample No: 6
Sample Date: 13 Jan 20
Lot No: 211700



Sample History

Patient profile for eGFR (estimated Glomerular Filtration Rate) calculations using Creatinine results –

Age: 25

Gender: Male

Race: Black