


Exceptions

Analyte	Instrument	Result	Unit	Z-score	Comparator
Albumin	ERBA XL-640	4.2	g/dL	0.88	Mode
Alkaline Phosphatase	ERBA XL-640	344	U/L	1.37	Mode
ALT (ALAT/GPT)	ERBA XL-640	68	U/L	-1.94	Mode
AST/GOT	ERBA XL-640	141.9	U/L	0.79	Mode
Bilirubin, Direct	ERBA XL-640	1.54	mg/dL	-1.04	Mode
Bilirubin, Total	ERBA XL-640	5.84	mg/dL	0.90	Method
Cholesterol, HDL	ERBA XL-640	59	mg/dL	-0.54	Mode
Cholesterol, Total	ERBA XL-640	260.7	mg/dL	-1.24	Mode
Creatinine	ERBA XL-640	2.37	mg/dL	-0.10	Method
Glucose	ERBA XL-640	745	mg/dL	2.16	Method
Protein, Total	ERBA XL-640	7.4	g/dL	3.57	Method
Triglycerides	ERBA XL-640	129.3	mg/dL	-1.20	Method
Urea	ERBA XL-640	113.1	mg/dL	-0.55	Method
Uric Acid	ERBA XL-640	7.4	mg/dL	1.52	Mode

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: 171087

Attn: DR.N THAMIZH SELVAM
NATIONAL AYURVEDA RESEARCH INSTITUTE FOR BIOCHEMISTRY
CCARS,MINISTRY AYUSH,GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Configuration Report
Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



Selected Options:

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

Instrument

1582 – ERBA XL-640

Analyte	Method	Reagent	Unit
007 ALB	583 Bromocresol Green (BCG)	2986 Erba (Transasia) XL System Pack	15 g/dL
026 ALKP	363 PNPP, AMP Buffer	2986 Erba (Transasia) XL System Pack	56 U/L
020 ALT	138 UV without P5P	2986 Erba (Transasia) XL System Pack	56 U/L
034 AST	138 UV without P5P	2986 Erba (Transasia) XL System Pack	56 U/L
054 CHOL	667 Cholesterol oxidase, esterase, peroxidase	2986 Erba (Transasia) XL System Pack	14 mg/dL
072 CREA	111 Enzymatic	2986 Erba (Transasia) XL System Pack	14 mg/dL
036 DBIL	683 Diazotization	2993 Erba (Transasia) DBIL Diazo XL System Pack	14 mg/dL
096 GLUC	717 Glucose oxidase, hydrogen peroxide (Trinder)	2986 Erba (Transasia) XL System Pack	14 mg/dL
052 HDL	951 Direct measure-PEG	2986 Erba (Transasia) XL System Pack	14 mg/dL
038 TBIL	952 Diazonium Ion	3011 Erba (Transasia) TBIL Diazo XL System Pack	14 mg/dL
144 TP	627 Biuret method	2986 Erba (Transasia) XL System Pack	15 g/dL
168 TRIG	231 Enzymatic, end point	2986 Erba (Transasia) XL System Pack	14 mg/dL
160 UREA	113 Urease, UV	2986 Erba (Transasia) XL System Pack	14 mg/dL
176 URIC	118 Uricase, colorimetric	2986 Erba (Transasia) XL System Pack	14 mg/dL



Lab 171087

Sample Summary Report
Clinical Chemistry (Monthly) Program

Cycle 20

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



Instrument: ERBA XL-640

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
Albumin	g/dL	4.2	4.02	0.88	0.91	Mode
Alkaline Phosphatase	U/L	344	316	1.37	0.69	Mode
ALT (ALAT/GPT)	U/L	68	76.1	-1.94	-1.33	Mode
AST/GOT	U/L	141.9	135	0.79	-0.25	Mode
Bilirubin, Direct	mg/dL	1.54	1.76	-1.04	-0.93	Mode
Bilirubin, Total	mg/dL	5.84	5.62	0.90	0.59	Method
Cholesterol, HDL	mg/dL	59	62.6	-0.54	0.31	Mode
Cholesterol, Total	mg/dL	260.7	275	-1.24	-0.56	Mode
Creatinine	mg/dL	2.37	2.39	-0.10	0.15	Method
Glucose	mg/dL	745	597	2.16	0.82	Method
Protein, Total	g/dL	7.4	6.56	3.57	2.49	Method
Triglycerides	mg/dL	129.3	139	-1.20	-1.56	Method
Urea	mg/dL	113.1	116	-0.55	0.65	Method
Uric Acid	mg/dL	7.4	6.91	1.52	1.36	Mode

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 171087

Albumin Report Clinical Chemistry (Monthly) Program

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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TRISSUR KERALA 679531
INDIA

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
4.2 g/dL

Comparative Statistics

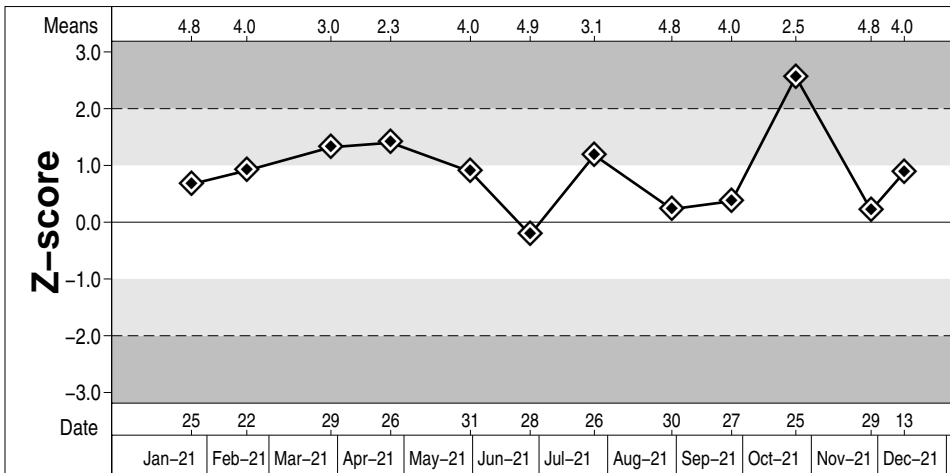
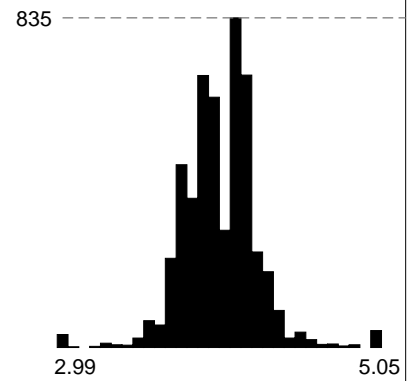
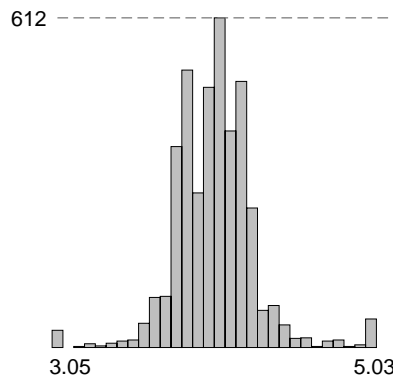
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	5105	4.02	0.205	5.11	0.007	0.88	0.91	4.47
■ Your Method	4048	4.04	0.198	4.91	0.008	0.81	0.83	3.99
● Your Peer	1	4.20	0	0	0	0	0	0

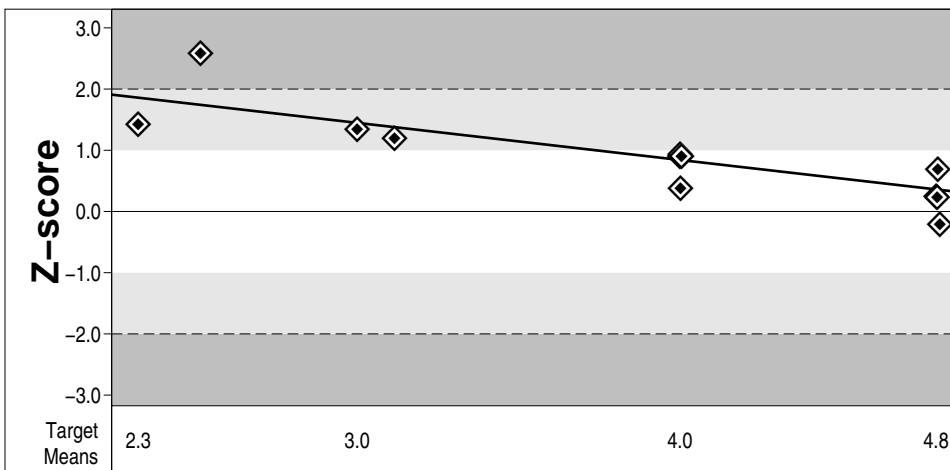
PEER

METHOD

MODE



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Brom cresol Green (BCG) Dedicated Reagent	1008	4.14	2.26	0.007
Beckman Coulter AU Series Brom cresol Green (BCG) Dedicated Reagent	738	3.86	2.33	0.008
VITROS Microslide Series Brom cresol Green (BCG) - Vitros VITROS Dry Slides Reagent Group	516	4.11	3.43	0.016
Siemens Dimension Series Brom cresol Purple (BCP) Dedicated Reagent	351	3.81	3.05	0.015
Roche cobas Integra / c 111 Brom cresol Green (BCG) Dedicated Reagent	341	4.20	2.68	0.015
Abbott ARCHITECT/Alinity (c, i, ci ... Brom cresol Green (BCG) Dedicated Reagent	312	3.93	2.81	0.016
Abbott ARCHITECT/Alinity (c, i, ci ... Brom cresol Green (BCG) Abbott Alinity	106	3.85	2.32	0.022
Mindray BS Series Brom cresol Green (BCG) Dedicated Reagent	103	4.01	3.97	0.039
Abbott ARCHITECT/Alinity (c, i, ci ... Brom cresol Purple (BCP) Dedicated Reagent	102	3.83	2.97	0.028



Albumin 20 : 6
CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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TRISSUR KERALA 679531
INDIA

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

Cycle 20

Jul 2021 – Jul 2022
Sample No: 6
Sample Date: 13 Dec 21
Lot No: 211900



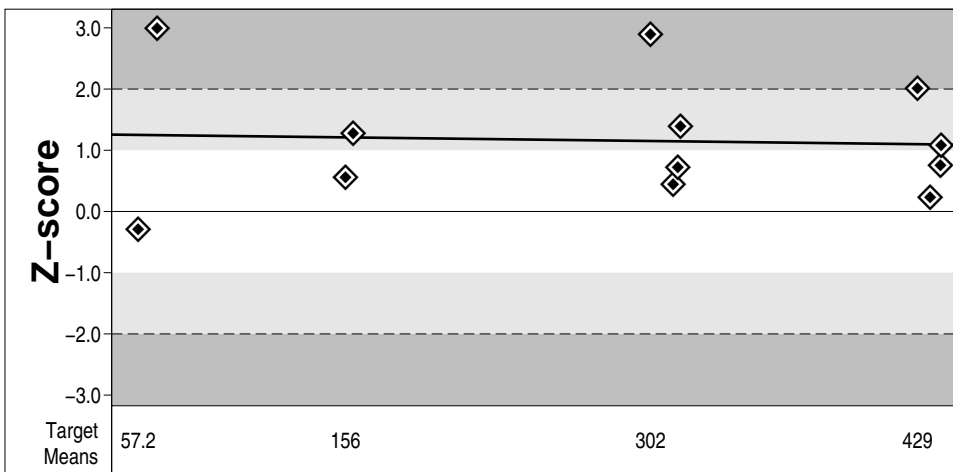
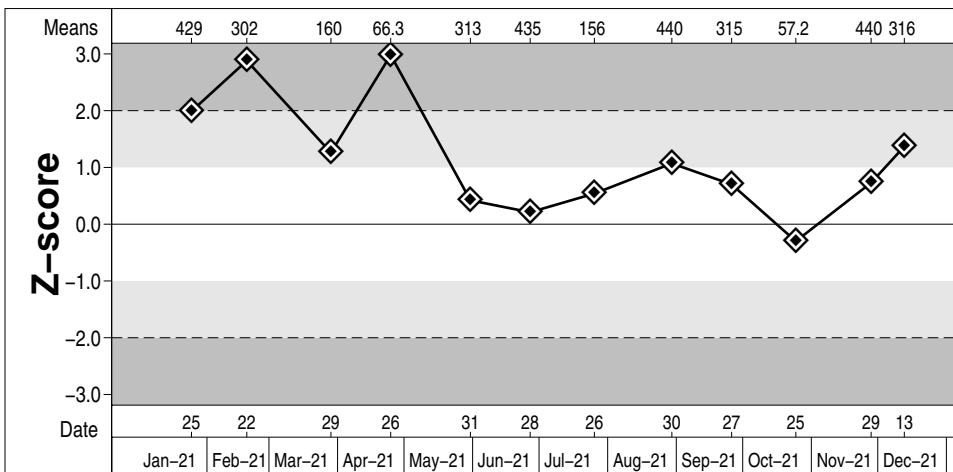
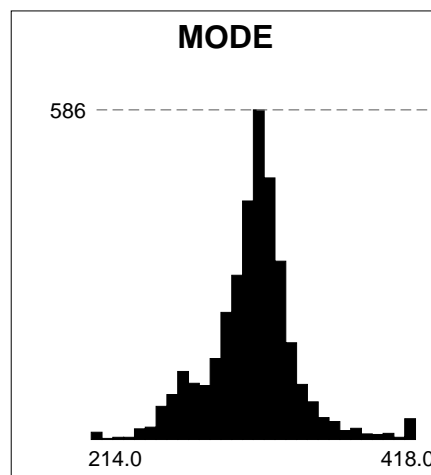
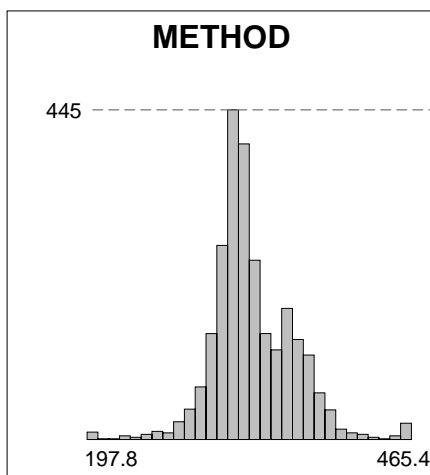
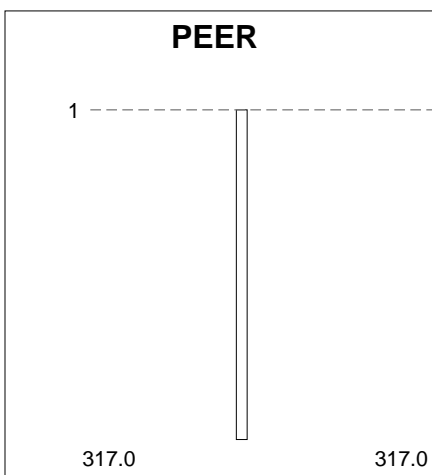
ERBA XL-640

Your Result
344 U/L

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	3489	316	20.4	6.45	0.863	1.37	0.69	8.87
■ Your Method	2527	332	26.8	8.07	1.33	0.46	-0.01	3.74
◎ Your Peer	1	317	0	0	0	0	0.10	8.52



	N	Mean	CV	U ¹
Beckman Coulter AU Series PNPP, AMP Buffer Dedicated Reagent	585	366	5.28	2.00
Roche cobas 6000/c 311 PNPP, AMP Buffer Dedicated Reagent	480	319	2.98	1.09
VITROS Microslide Series PNPP, AMP Buffer-VITROS VITROS Dry Slides Reagent Group	430	274	4.98	1.64
Roche cobas 6000/c 311 PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated Dedicated Reagent	429	320	3.31	1.28
Abbott ARCHITECT/Alinity (c, i, ci ... PNPP, AMP Buffer Dedicated Reagent	329	326	4.06	1.83
Siemens Dimension Series PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated Dedicated Reagent	181	306	4.14	2.35
Roche cobas Integra / c 111 PNPP, AMP Buffer Dedicated Reagent	177	326	3.85	2.36
Beckman Coulter AU Series PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated Dedicated Reagent	174	366	4.70	3.26
Siemens Dimension Series PNPP, AMP Buffer Dedicated Reagent	162	304	3.82	2.28

Alkaline Phosphatase 20 : 6
CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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INDIA

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

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



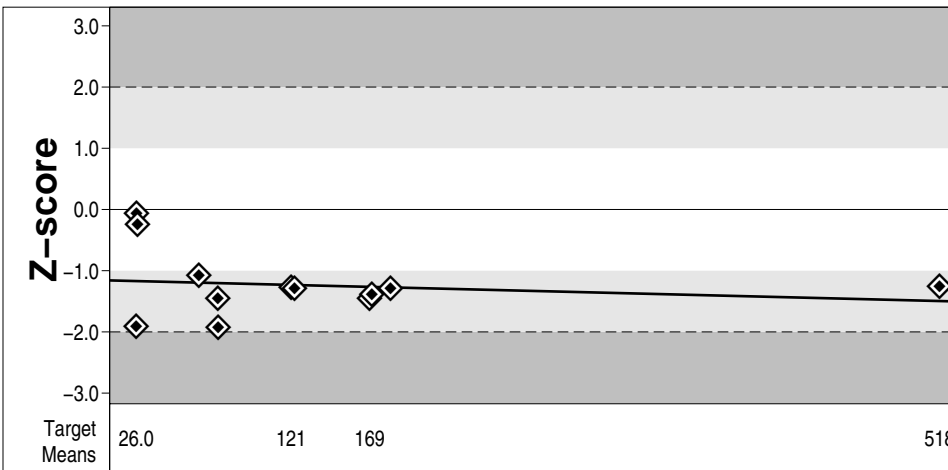
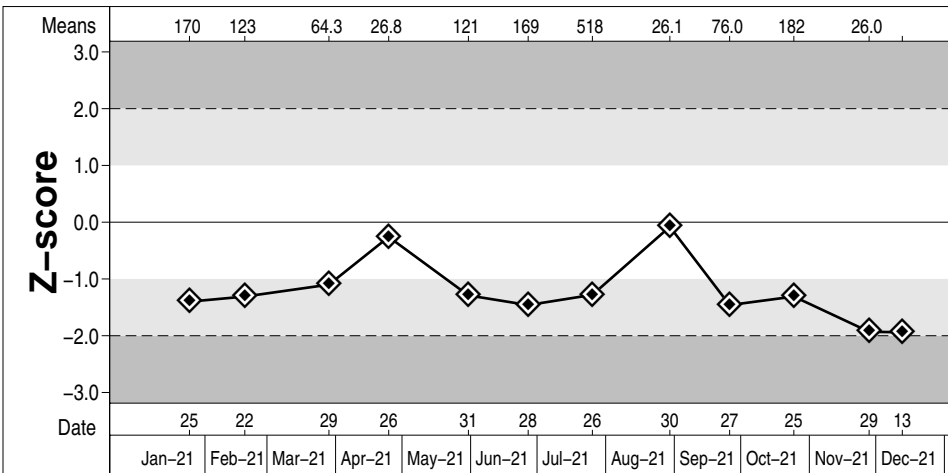
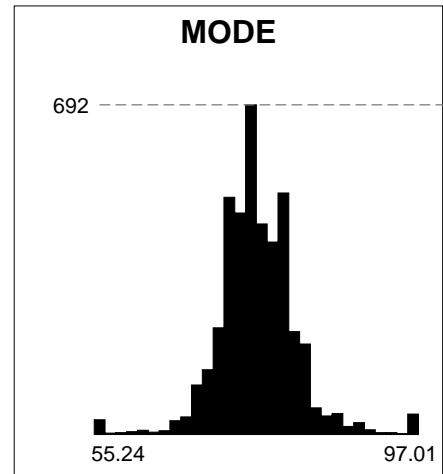
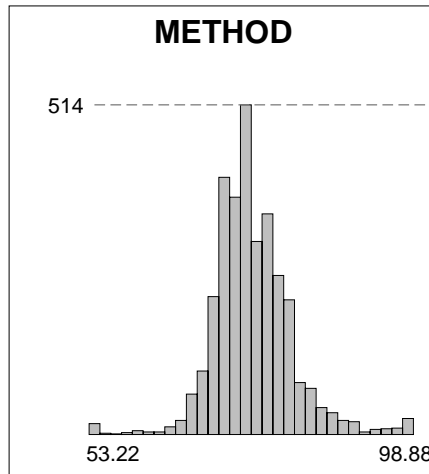
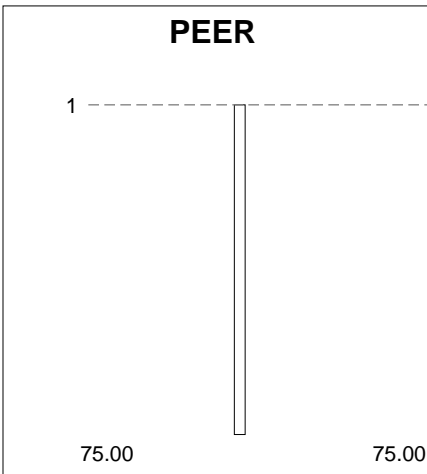
ERBA XL-640

Your Result
68 U/L

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	4254	76.1	4.18	5.49	0.160	-1.94	-1.33	-10.7
■ Your Method	3163	76.1	4.57	6.00	0.203	-1.76	-1.27	-10.6
● Your Peer	1	75.0	0	0	0	0	-0.10	-9.33



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	997	74.1	2.65	0.156
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	435	79.4	3.05	0.290
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	387	76.9	3.75	0.366
Beckman Coulter AU Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	324	79.3	2.91	0.320
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	322	71.0	3.12	0.309
VITROS Microslide Series UV with P5P – IFCC Ref. Proc., Calibrated VITROS Dry Slides Reagent Group	230	76.2	3.23	0.405
VITROS Microslide Series UV with P5P-VITROS VITROS Dry Slides Reagent Group	224	76.3	3.39	0.432
Siemens Dimension Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	192	87.9	3.56	0.564
Roche cobas 6000/8000/c 311 UV with P5P – IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	163	75.1	3.36	0.495

ALT (ALAT/GPT) 20 : 6
CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER TRISSUR KERALA 679531 INDIA

AST/GOT Report Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022 Sample No: 6 Sample Date: 13 Dec 21 Lot No: 211900



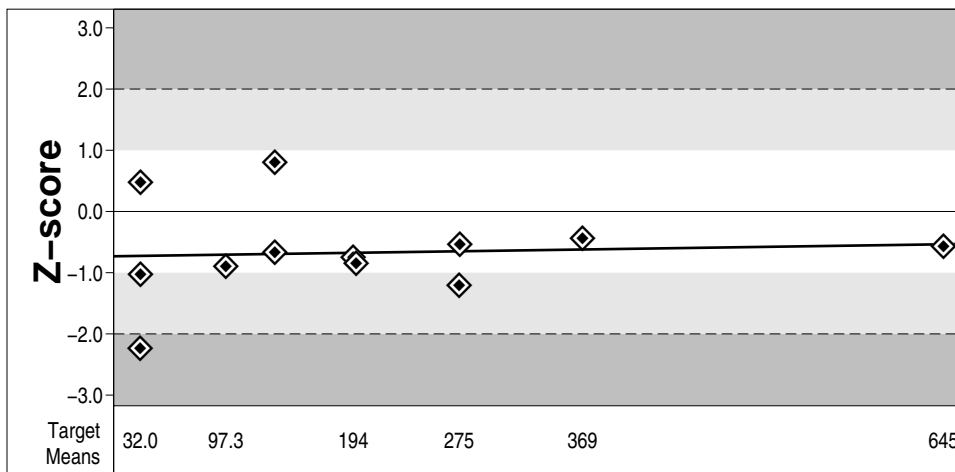
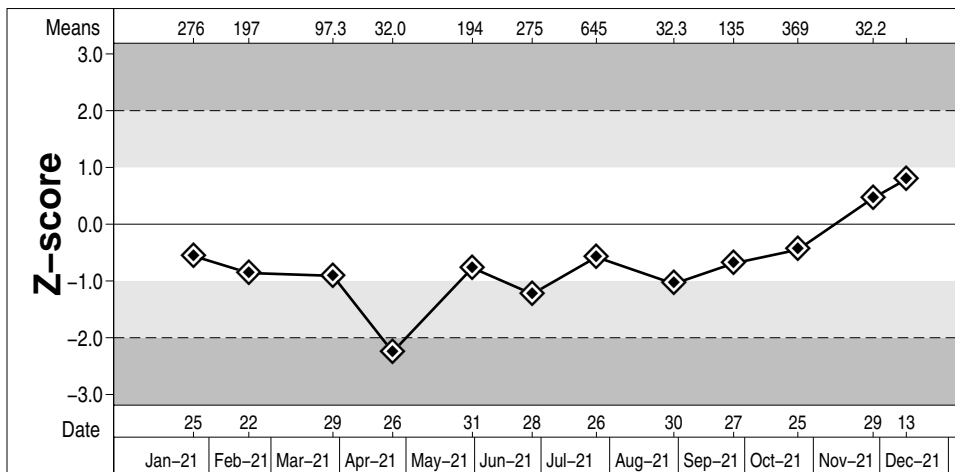
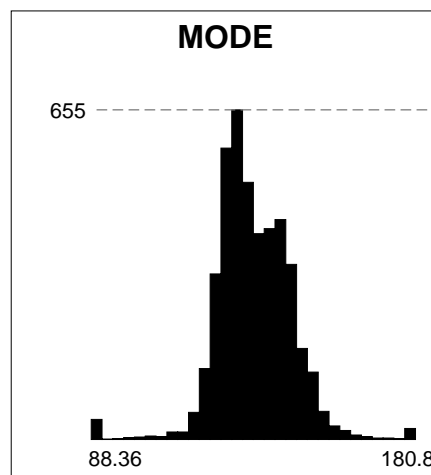
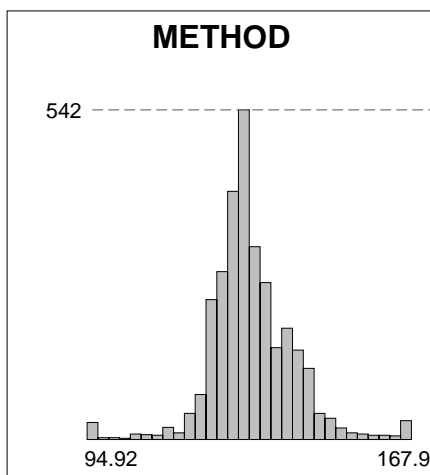
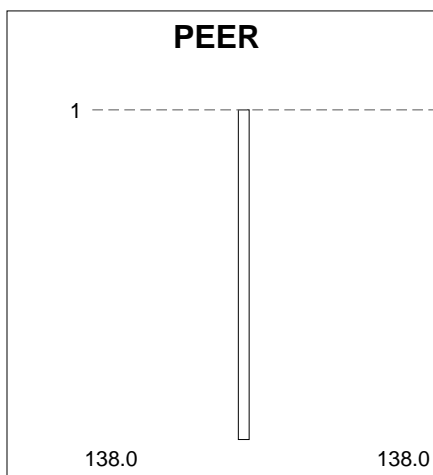
ERBA XL-640

Your Result 141.9 U/L

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	4438	135	9.24	6.87	0.347	0.79	-0.25	5.45
■ Your Method	3005	131	7.30	5.55	0.333	1.44	0.08	7.97
● Your Peer	1	138	0	0	0	0	0.31	2.83



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	936	130	2.91	0.309
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	382	127	2.61	0.424
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	379	141	2.91	0.526
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	328	128	3.22	0.568
Beckman Coulter AU Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	315	141	3.64	0.724
Siemens Dimension Series UV with P5P Dedicated Reagent	268	140	3.53	0.754
VITROS Microslide Series Enzymatic, colorimetric–VITROS VITROS Dry Slides Reagent Group	257	157	3.03	0.741
VITROS Microslide Series UV with P5P–VITROS VITROS Dry Slides Reagent Group	185	156	3.74	1.07
Roche cobas 6000/8000/c 311 UV with P5P – IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	163	139	6.33	1.72

AST/GOT 20 : 6 CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER TRISSUR KERALA 679531 INDIA

Bilirubin, Direct Report Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result 1.54 mg/dL

Comparative Statistics

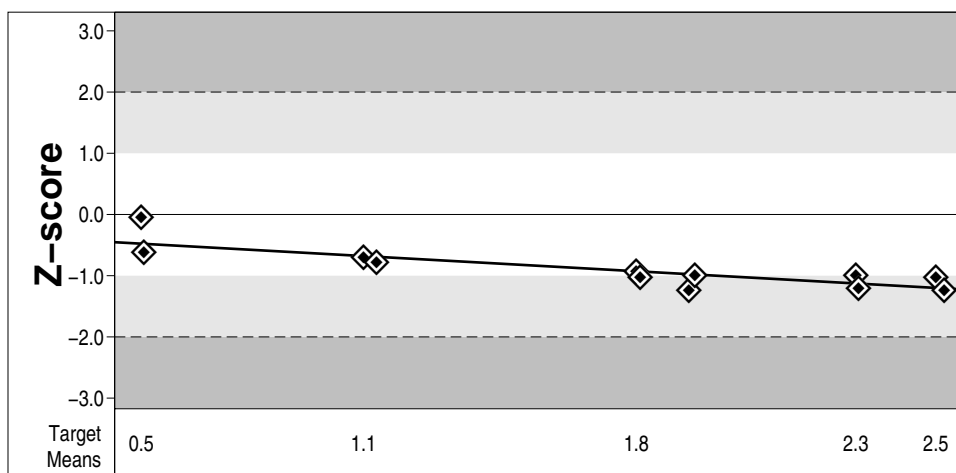
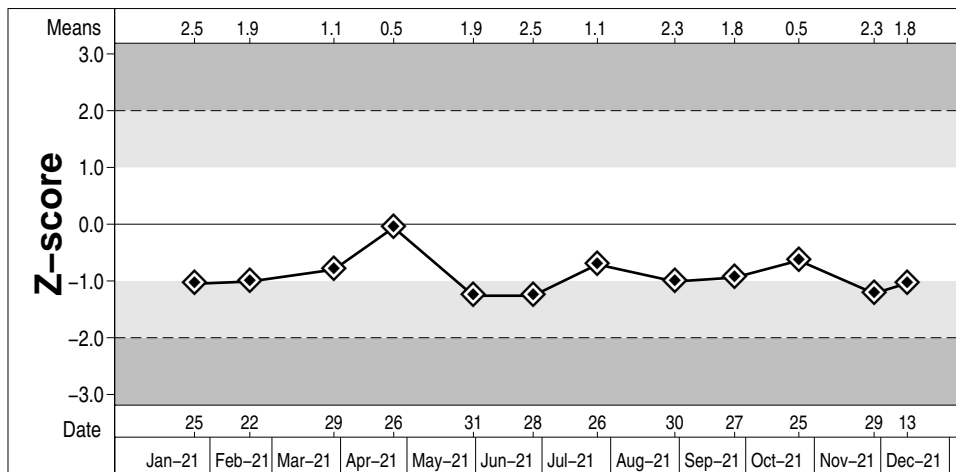
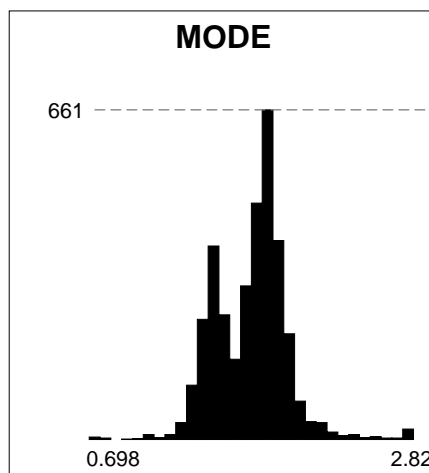
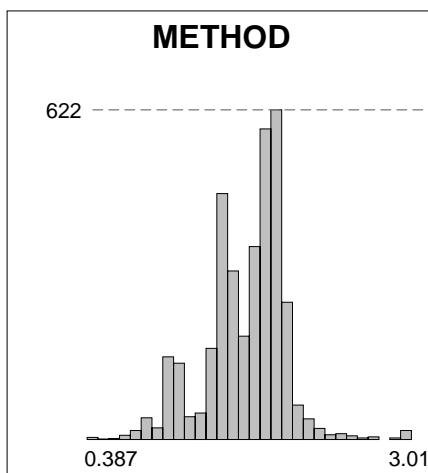
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	3488	1.76	0.212	12.1	0.009	-1.04	-0.93	-12.5
■ Your Method	3647	1.70	0.262	15.4	0.011	-0.60	-0.52	-9.23
● Your Peer	1	1.54	0	0	0	0	0	0

PEER

METHOD

MODE



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Diazotization Jendrassik-Grof Roche Direct Bilirubin	758	1.90	3.32	0.006
Beckman Coulter AU Series Diazotization Dedicated Reagent	701	1.49	4.42	0.006
Abbott ARCHITECT/Alinity (c, i, ci ... Diazotization Dedicated Reagent	384	1.81	4.30	0.010
Siemens Dimension Series Diazotization Dedicated Reagent	300	1.08	5.69	0.009
Roche cobas Integra / c 111 Diazotization Jendrassik-Grof Roche Direct Bilirubin	272	1.86	4.13	0.012
Roche cobas 6000/8000/c 311 Diazotization Dumas Roche Direct Bilirubin	227	1.76	12.0	0.035
VITROS Microslide Series Spectrophotometric VITROS Dry Slides Reagent Group	197	0.446	22.7	0.018
VITROS Microslide Series Calculated VITROS Dry Slides Reagent Group	118	0.790	40.5	0.074
Abbott ARCHITECT/Alinity (c, i, ci ... Diazotization Abbott Alinity	110	1.75	3.99	0.017

Bilirubin, Direct 20 : 6 CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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TRISSUR KERALA 679531
INDIA

**Bilirubin, Total Report
Clinical Chemistry (Monthly) Program**

Cycle 20

Jul 2021 – Jul 2022
Sample No: 6
Sample Date: 13 Dec 21
Lot No: 211900



ERBA XL-640

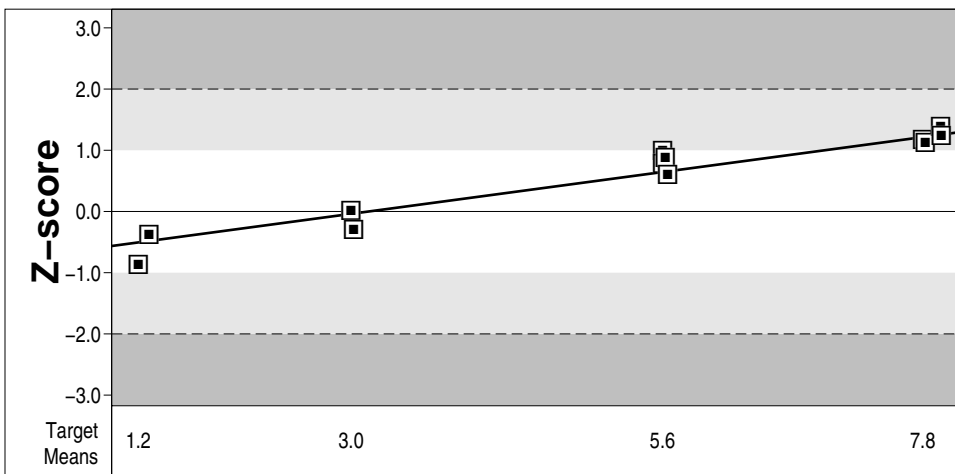
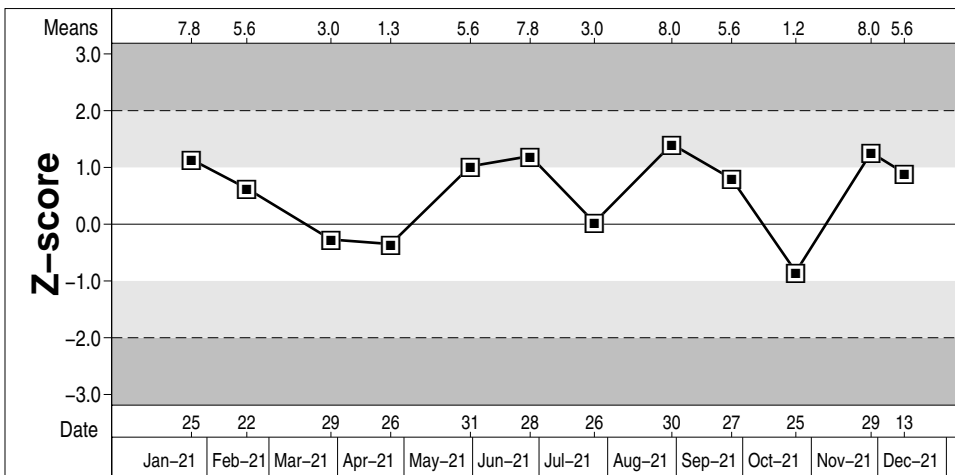
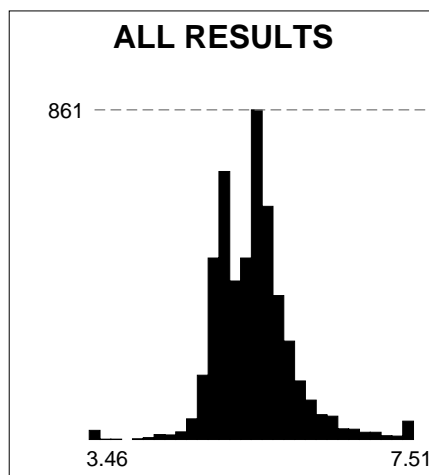
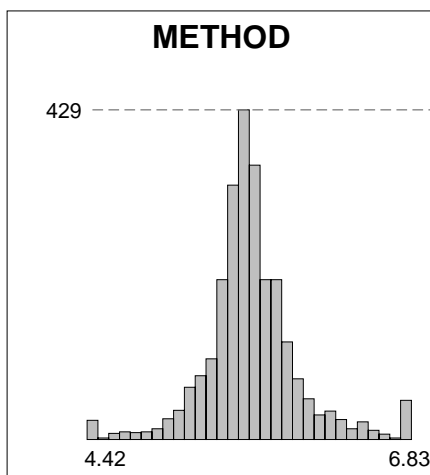
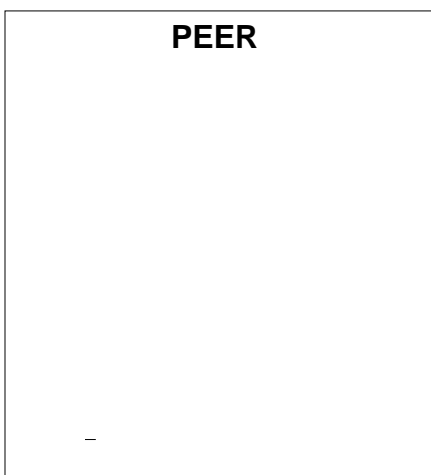
Your Result
5.84 mg/dL

- ◆ All Results
- ▣ Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	5007	5.48	0.405	7.38	0.014	0.88	0.67	6.51
Your Method	2602	5.62	0.242	4.30	0.012	0.90	0.59	3.85
Your Peer	1	5.84	0	0	0	0	0	0



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Diazonium Ion, Blanked (Roche) Dedicated Reagent	1128	5.10	2.88	0.011
Beckman Coulter AU Series Diazonium Ion Dedicated Reagent	796	5.65	2.31	0.012
Abbott ARCHITECT/Alinity (c, i, ci ... Diazonium Ion Dedicated Reagent	417	5.65	4.63	0.032
VITROS Microslide Series Diphylline, Diazonium Salt-VITROS VITROS Dry Slides Reagent Group	404	5.51	5.20	0.036
Roche cobas Integra / c 111 Diazonium Ion, Blanked (Roche) Dedicated Reagent	363	5.15	3.23	0.022
Siemens Dimension Series Diazonium Ion Dedicated Reagent	352	5.50	2.89	0.021
Abbott ARCHITECT/Alinity (c, i, ci ... Diazonium Ion Abbott Alinity	122	5.65	3.61	0.046
Siemens ADVIA Chemistry Systems Vanadate Oxidation Dedicated Reagent	107	6.11	3.42	0.051
Siemens Atellica CH Analyzer Vanadate Oxidation Siemens Atellica Reagent	100	6.02	3.63	0.055

Bilirubin, Total CYCLE 20 : 6 SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

**Cholesterol, HDL Report
Clinical Chemistry (Monthly) Program**

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
59 mg/dL

Comparative Statistics

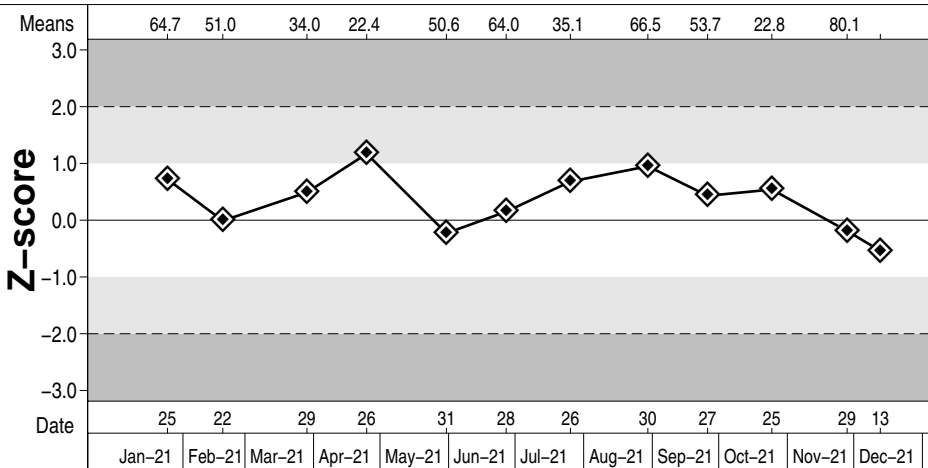
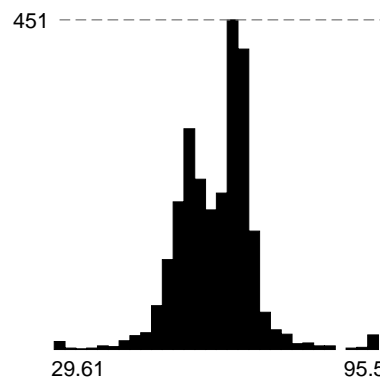
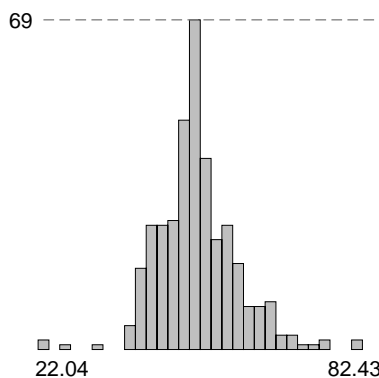
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	2579	62.6	6.59	10.5	0.324	-0.54	0.31	-5.69
■ Your Method	368	51.4	6.21	12.1	0.810	1.23	1.14	14.9
● Your Peer	1	59.0	0	0	0	0	0	0

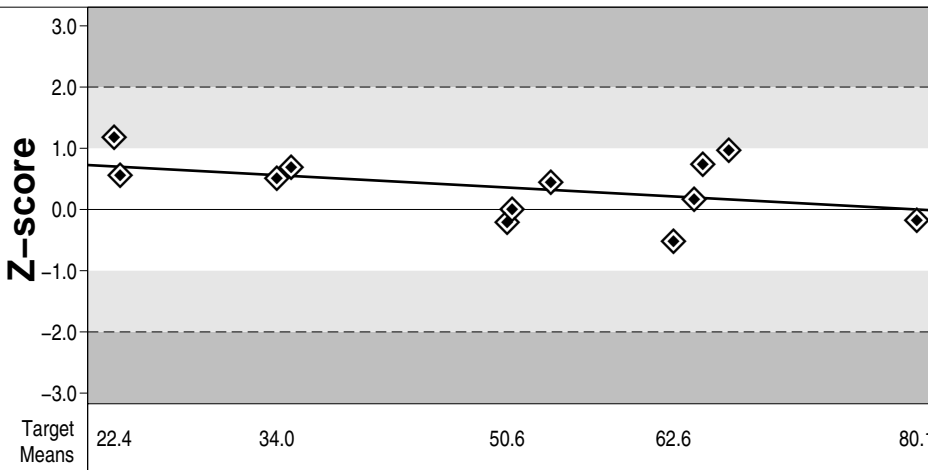
PEER

METHOD

MODE



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Direct measure, polymer-polyanion Roche HDLC4	817	44.2	3.70	0.143
Beckman Coulter AU Series Direct measure, immunoinhibition Beckman Coulter AU HDL, OSR6X87	603	66.7	3.81	0.259
Roche cobas Integra / c 111 Direct measure, polymer-polyanion Roche HDLC4	338	44.8	4.40	0.268
VITROS Microslide Series Direct measure, PTA/MgCl2-VITROS VITROS Dry Slides Reagent Group	326	55.6	4.51	0.347
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure, polymer-polyanion Dedicated Reagent	296	66.7	3.67	0.356
Roche cobas 8000 Direct measure, polymer-polyanion Roche HDLC4	167	43.7	3.50	0.296
Siemens Dimension Series Direct measure-PEG Dedicated Reagent	150	50.3	5.46	0.561
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure, polymer-polyanion Abbott Alinity	121	67.0	2.49	0.379
Siemens Atellica CH Analyzer Direct measure, polymer-polyanion Siemens Atellica Reagent	83	60.4	3.19	0.529



Cholesterol, HDL 20 : 6
CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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TRISSUR KERALA 679531
INDIA

**Cholesterol, Total Report
Clinical Chemistry (Monthly) Program**

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
260.7 mg/dL

Comparative Statistics

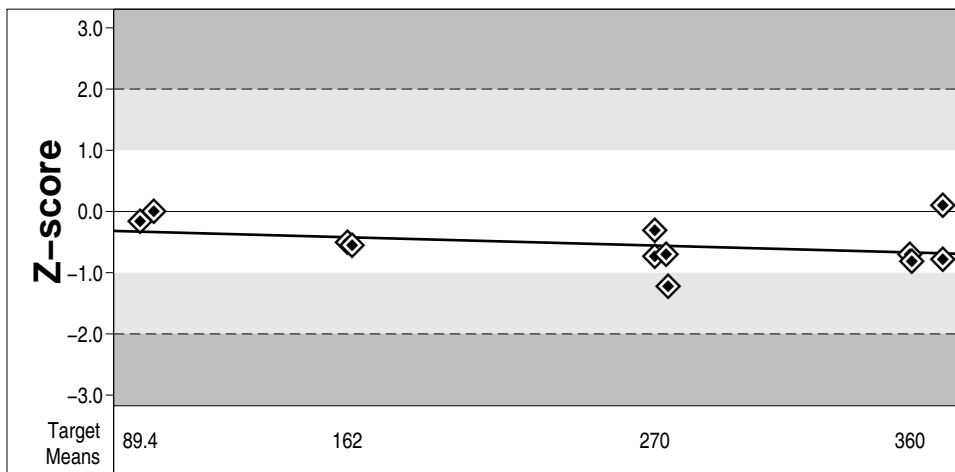
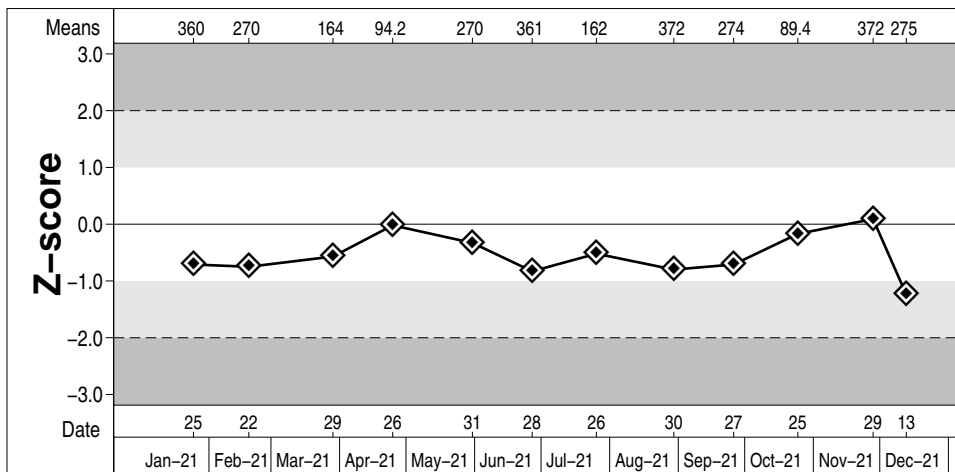
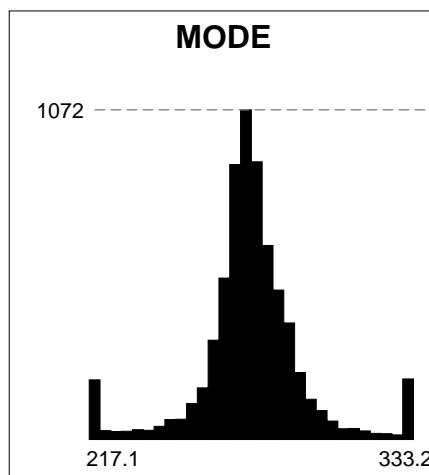
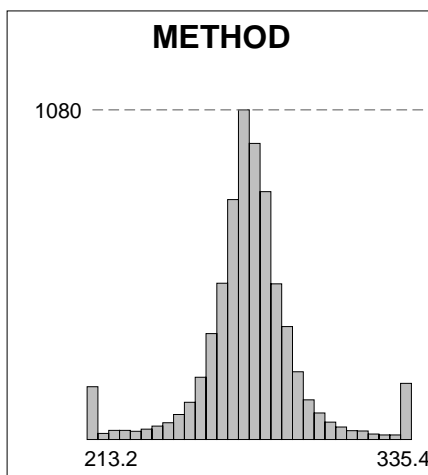
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	6863	275	11.6	4.22	0.350	-1.24	-0.56	-5.25
■ Your Method	7034	274	12.2	4.45	0.364	-1.12	-0.47	-4.97
● Your Peer	1	261	0	0	0	0	0.10	0

PEER

METHOD

MODE



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	1121	273	2.27	0.462
Beckman Coulter AU Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	690	283	3.70	0.995
VITROS Microslide Series Cholesterol oxidase, esterase, peroxidase VITROS Dry Slides Reagent Group	490	280	2.97	0.940
Roche cobas Integra / c 111 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	468	272	2.59	0.814
Abbott ARCHITECT (c, i, ci models) Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	438	272	2.07	0.672
Siemens Dimension Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	332	260	2.73	0.974
Mindray BS Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	198	276	3.81	1.87
Abbott Alinity c Cholesterol oxidase, esterase, peroxidase Abbott Alinity	126	266	1.81	1.07
BioSystems A15/A25 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	121	277	4.89	3.07

Cholesterol, Total 20 : 6
CYCLE SAMPLE



Lab 171087

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INDIA

Creatinine Report Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



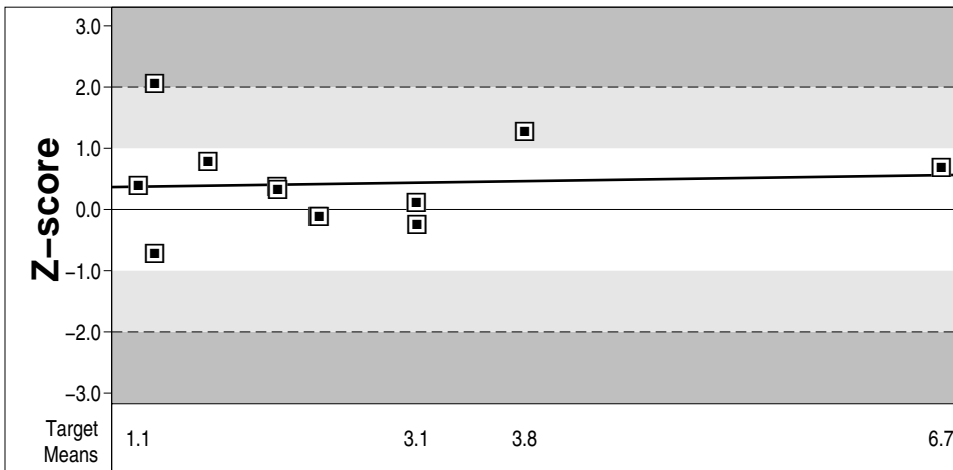
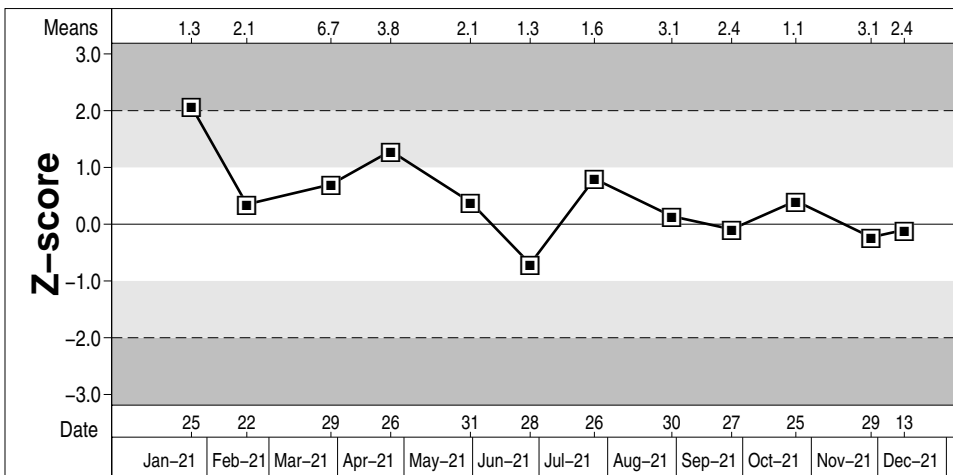
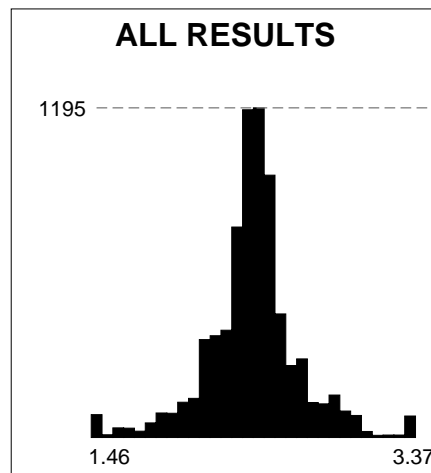
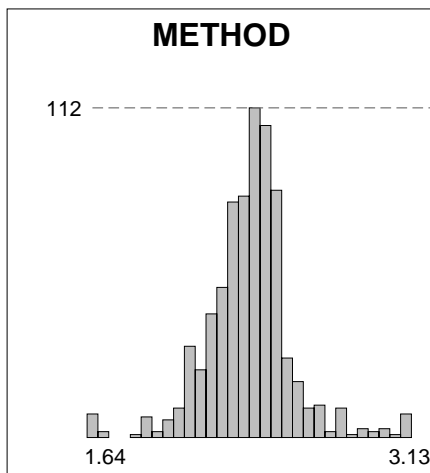
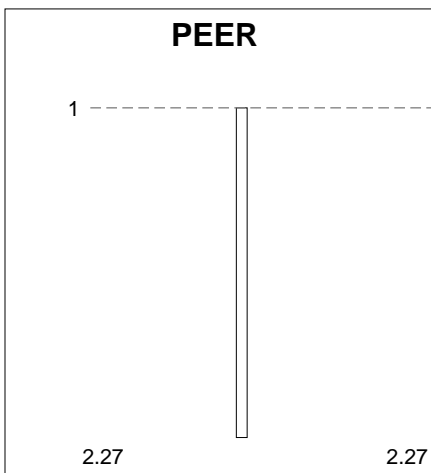
ERBA XL-640

Your Result
2.37 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	7594	2.41	0.191	7.89	0.005	-0.24	0.36	-1.86
■ Your Method	744	2.39	0.148	6.21	0.014	-0.10	0.15	-0.638
● Your Peer	1	2.27	0	0	0	0	0.21	4.41



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	716	2.39	3.46	0.008
VITROS Microslide Series Enzymatic-VITROS, IFCC-IDMS Standardized VITROS Dry Slides Reagent Group	506	2.46	3.15	0.009
Beckman Coulter AU Series Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	434	2.45	2.97	0.009
Abbott ARCHITECT/Alinity (c, i, ci ... Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	358	2.84	5.31	0.020
Roche cobas Integra / c 111 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	338	2.16	4.47	0.013
Siemens Dimension Series Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	322	2.64	3.39	0.012
Roche cobas 6000/c 311 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	300	2.46	2.34	0.008
Beckman Coulter AU Series Alkaline picrate method Dedicated Reagent	258	2.44	3.44	0.013
Roche cobas Integra / c 111 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	172	2.39	3.33	0.015

Creatinine 20 : 6
CYCLE SAMPLE



Lab 171087

Glucose Report Clinical Chemistry (Monthly) Program

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
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TRISSUR KERALA 679531
INDIA

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
745 mg/dL

Comparative Statistics

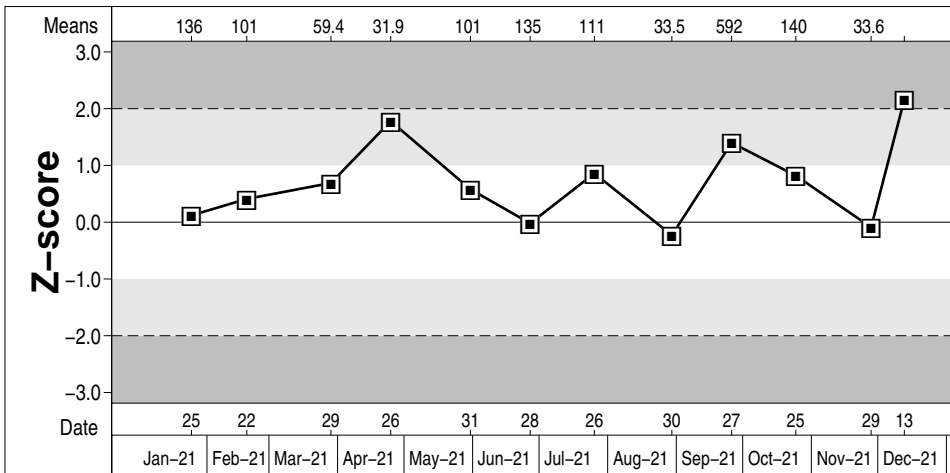
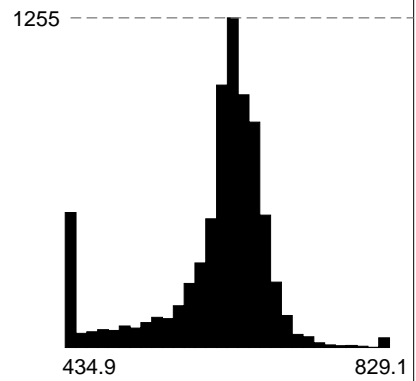
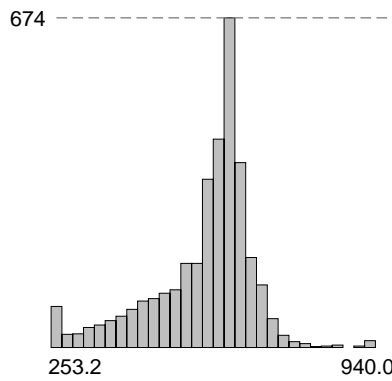
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	7578	632	39.4	6.24	1.13	2.87	1.46	17.9
▣ Your Method	3456	597	68.7	11.5	2.92	2.16	0.82	24.9
● Your Peer	1	745	0	0	0	0	0	0

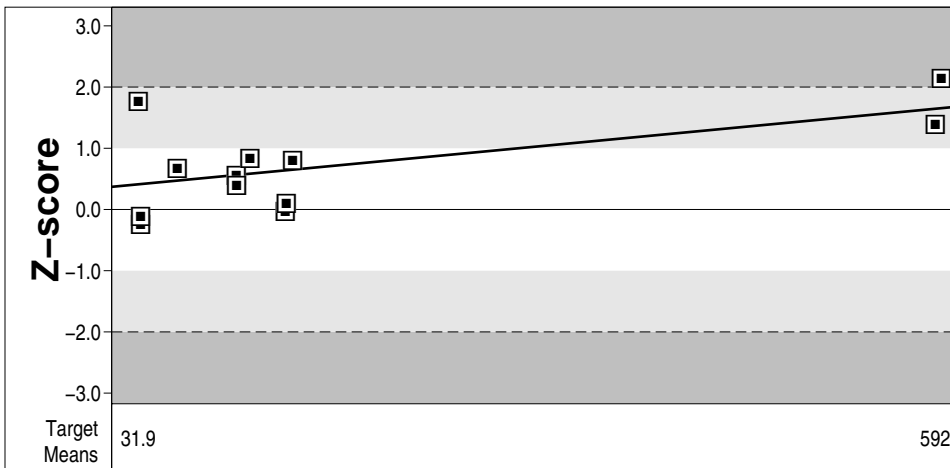
PEER

METHOD

ALL RESULTS



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Hexokinase Dedicated Reagent	1189	639	2.01	0.932
Beckman Coulter AU Series Hexokinase Dedicated Reagent	821	660	2.46	1.42
VITROS Microslide Series Glucose oxidase, hydrogen peroxide (Trinder) VITROS Dry Slides Reagent Group	535	629	2.50	1.70
Roche cobas Integra / c 111 Hexokinase Dedicated Reagent	496	656	2.36	1.74
Abbott ARCHITECT/Alinity (c, i, ci ... Hexokinase Dedicated Reagent	476	673	2.55	1.97
Siemens Dimension Series Hexokinase Dedicated Reagent	377	630	2.58	2.09
Mindray BS Series Glucose oxidase, hydrogen peroxide (Trinder) Mindray Glu (GOD) REF GLU010/110	149	631	4.99	6.45
Abbott ARCHITECT/Alinity (c, i, ci ... Hexokinase Abbott Alinity	129	668	2.22	3.27
BioSystems A15/A25 Glucose oxidase, hydrogen peroxide (Trinder) Dedicated Reagent	114	491	25.9	29.8



Glucose 20 : 6
CYCLE SAMPLE



Lab 171087

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INDIA

Protein, Total Report Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022
Sample No: 6
Sample Date: 13 Dec 21
Lot No: 211900



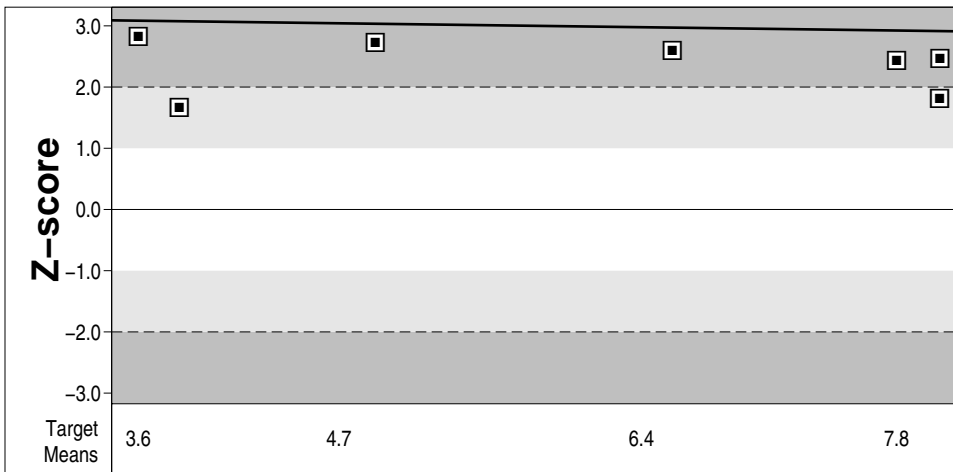
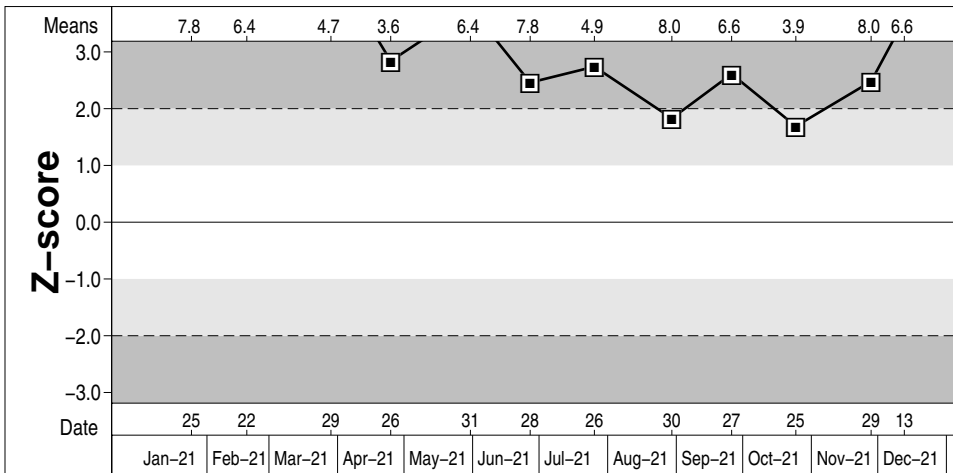
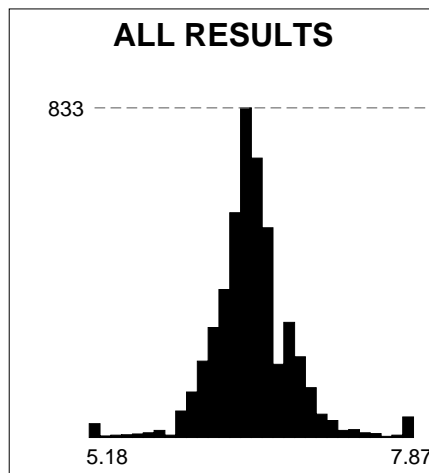
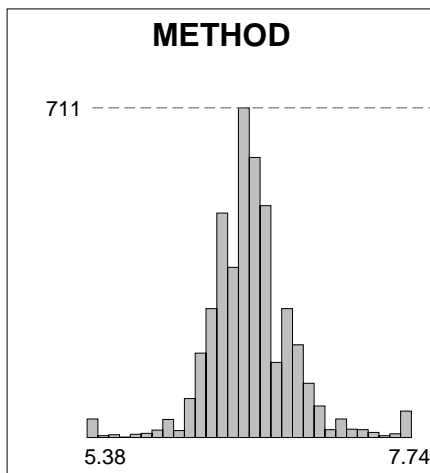
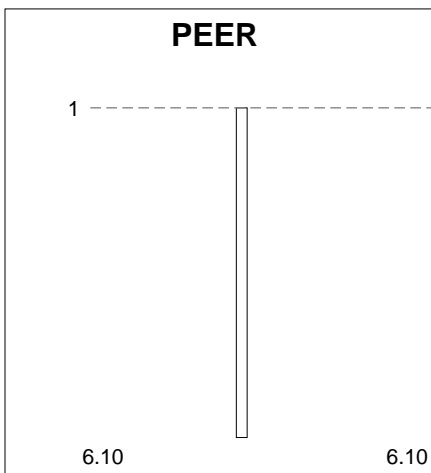
ERBA XL-640

Your Result
7.4 g/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	4790	6.52	0.269	4.13	0.010	3.25	2.47	13.4
■ Your Method	4344	6.56	0.236	3.59	0.009	3.57	2.49	12.8
● Your Peer	1	6.10	0	0	0	0	0.41	21.3



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Biuret method Dedicated Reagent	1082	6.48	2.06	0.010
Beckman Coulter AU Series Biuret method Dedicated Reagent	777	6.48	2.11	0.012
VITROS Microslide Series Biuret, no serum blank, end point-VITROS VITROS Dry Slides Reagent Group	433	6.13	2.54	0.019
Abbott ARCHITECT/Alinity (c, i, ci ... Biuret method Dedicated Reagent	408	6.67	2.01	0.017
Siemens Dimension Series Biuret method Dedicated Reagent	342	6.80	2.25	0.021
Roche cobas Integra / c 111 Biuret method Dedicated Reagent	252	6.27	2.55	0.025
Abbott ARCHITECT/Alinity (c, i, ci ... Biuret method Abbott Alinity	118	6.65	1.73	0.026
Siemens ADVIA Chemistry Systems Biuret method Dedicated Reagent	101	6.45	2.89	0.046
Siemens Atellica CH Analyzer Biuret method Siemens Atellica Reagent	100	6.55	2.80	0.046

Protein, Total 20 : 6
CYCLE SAMPLE



Lab 171087

Triglycerides Report Clinical Chemistry (Monthly) Program

Cycle 20

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
129.3 mg/dL

Comparative Statistics

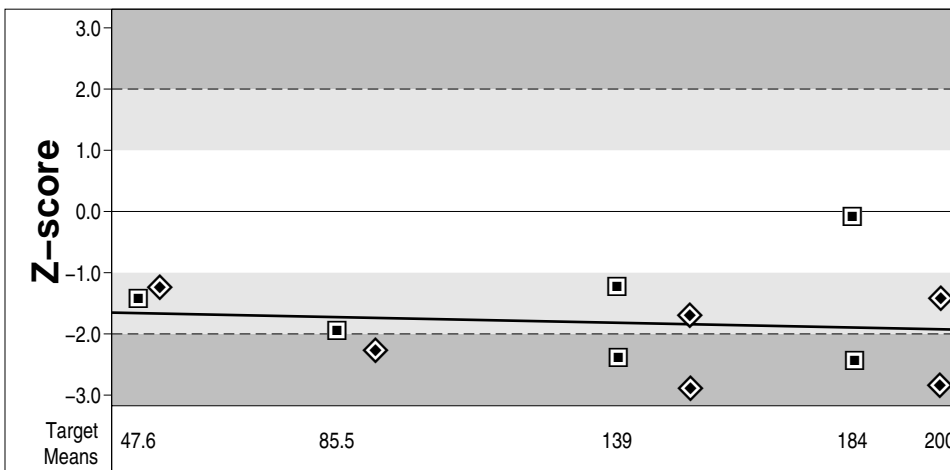
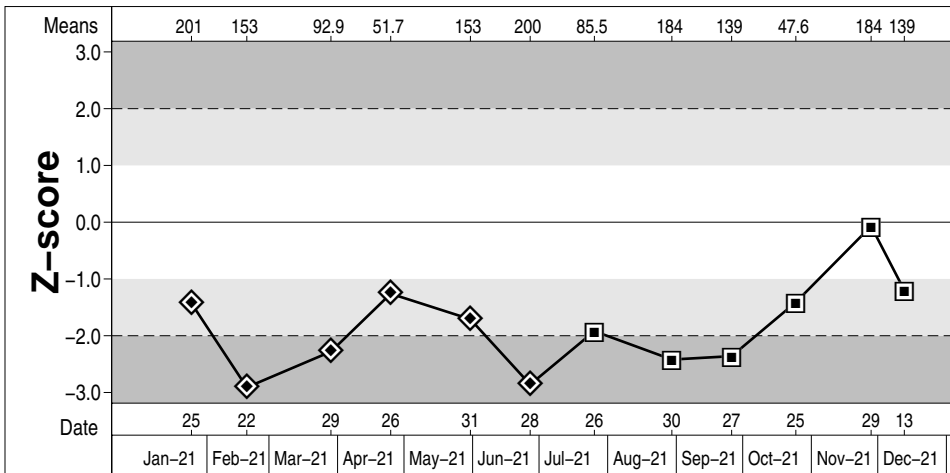
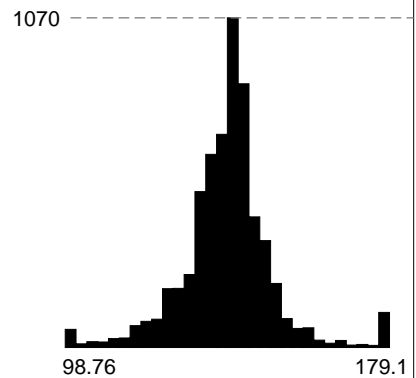
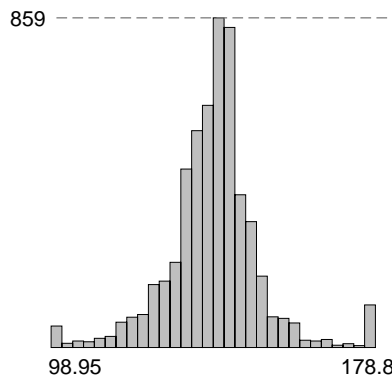
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	6186	139	8.04	5.78	0.255	-1.20	-1.57	-6.94
■ Your Method	5617	139	7.99	5.75	0.266	-1.20	-1.56	-6.90
◎ Your Peer	1	129	0	0	0	0	0	0

PEER

METHOD

ALL RESULTS



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Enzymatic, end point Dedicated Reagent	765	142	2.19	0.281
Beckman Coulter AU Series Enzymatic, end point Dedicated Reagent	761	135	3.12	0.381
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic, end point Dedicated Reagent	427	141	2.26	0.385
VITROS Microslide Series Enzymatic, end point VITROS Dry Slides Reagent Group	426	147	3.18	0.565
Roche cobas Integra / c 111 Enzymatic, end point Dedicated Reagent	356	138	3.41	0.622
Siemens Dimension Series Enzymatic, end point Dedicated Reagent	350	137	3.08	0.563
Roche cobas 6000/c 311 Enzymatic with glycerol blank Dedicated Reagent	159	142	2.46	0.691
Roche cobas 8000 Enzymatic, end point Dedicated Reagent	143	143	2.20	0.655
Mindray BS Series Enzymatic, end point Dedicated Reagent	134	134	5.51	1.59

Triglycerides 20 : 6
CYCLE SAMPLE



Lab 171087

Urea Report Clinical Chemistry (Monthly) Program

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result
113.1 mg/dL

Comparative Statistics

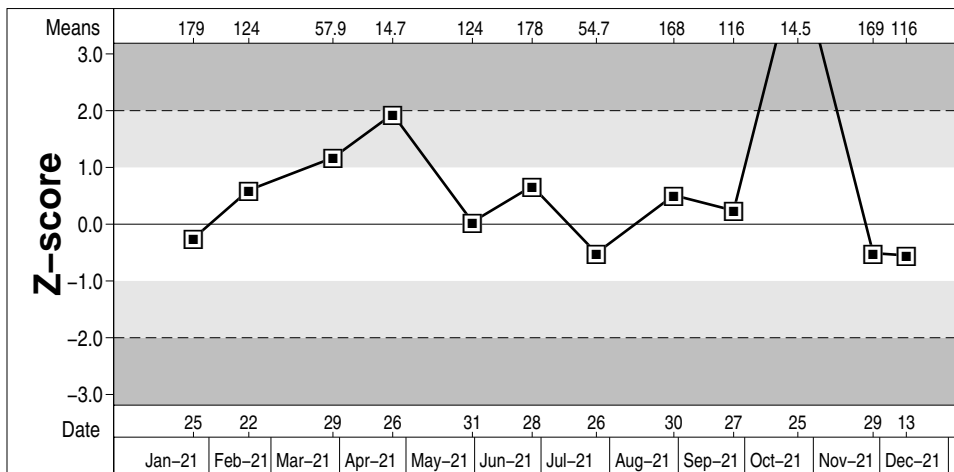
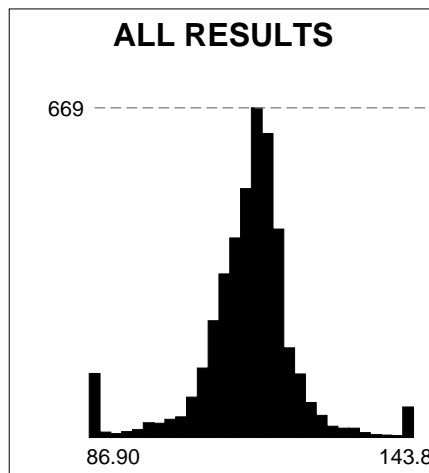
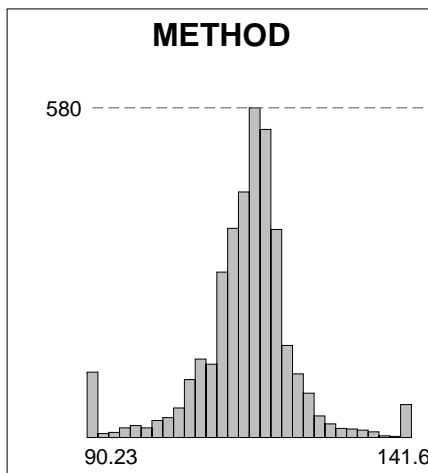
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	4301	115	5.69	4.93	0.217	-0.39	0.66	-1.95
▣ Your Method	3782	116	5.13	4.43	0.209	-0.55	0.65	-2.42
● Your Peer	1	113	0	0	0	0	0	0

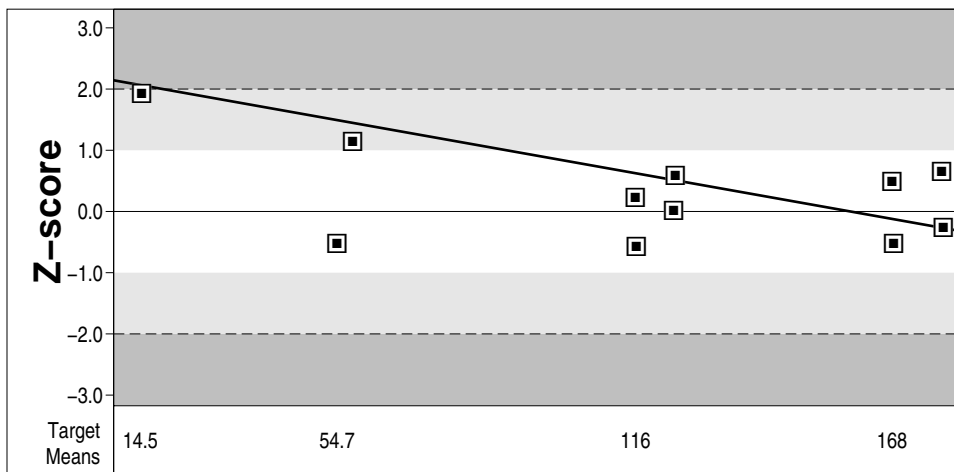
PEER

METHOD

ALL RESULTS



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Urease, UV Dedicated Reagent	825	116	2.79	0.282
Beckman Coulter AU Series Urease, UV Dedicated Reagent	563	117	3.10	0.383
Roche cobas Integra / c 111 Urease, UV Dedicated Reagent	358	112	3.75	0.558
VITROS Microslide Series Urease, colorimetric VITROS Dry Slides Reagent Group	291	110	2.48	0.399
Siemens Dimension Series Urease, UV Dedicated Reagent	212	118	3.96	0.801
Abbott ARCHITECT/Alinity (c, i, ci ... Urease, UV Dedicated Reagent	206	118	2.52	0.517
Roche cobas 8000 Urease, UV Dedicated Reagent	145	115	3.06	0.732
Mindray BS Series Urease, UV Dedicated Reagent	124	117	4.79	1.25
Abbott ARCHITECT/Alinity (c, i, ci ... Urease, UV Abbott Alinity	87	115	3.17	0.975



Urea 20 : 6
CYCLE SAMPLE



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER TRISSUR KERALA 679531 INDIA

Uric Acid Report Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



ERBA XL-640

Your Result 7.4 mg/dL

Comparative Statistics

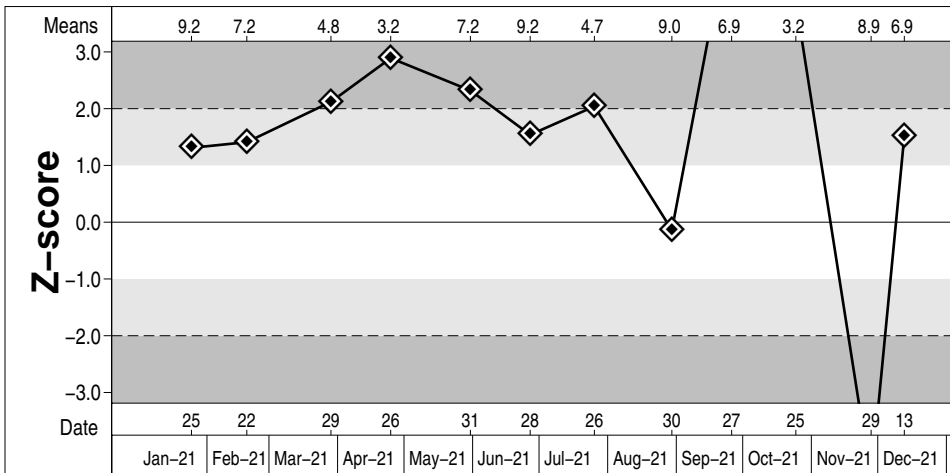
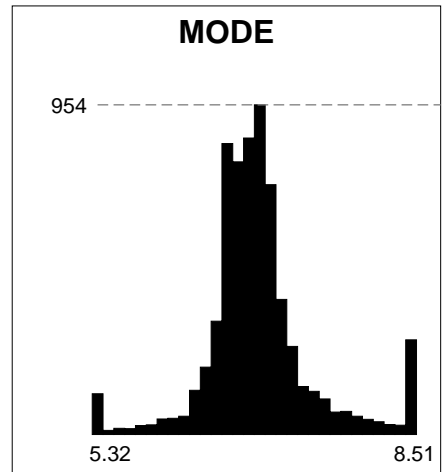
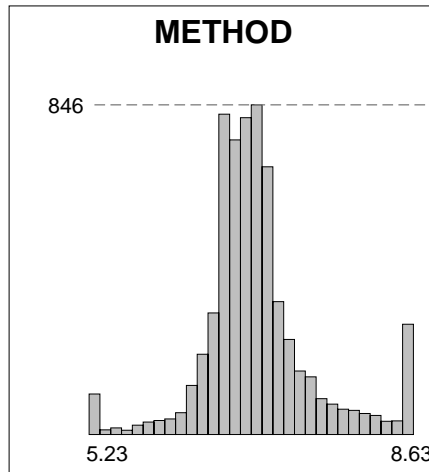
Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	6790	6.91	0.319	4.61	0.010	1.52	1.36	7.03
■ Your Method	6548	6.93	0.341	4.92	0.011	1.38	1.22	6.78
● Your Peer	1	7.40	0	0	0	0	0	0

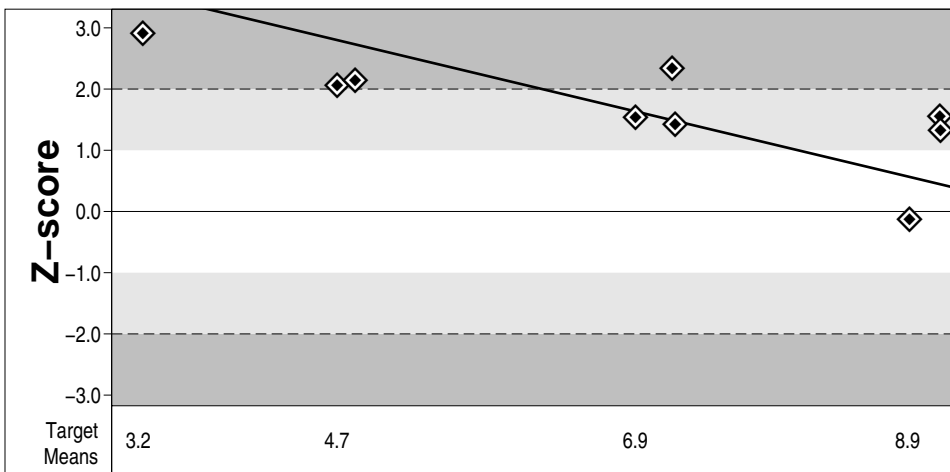
PEER

METHOD

MODE



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Uricase, colorimetric Dedicated Reagent	963	6.80	2.38	0.013
Beckman Coulter AU Series Uricase, colorimetric Dedicated Reagent	764	7.04	2.09	0.013
VITROS Microslide Series Uricase, colorimetric VITROS Dry Slides Reagent Group	528	6.59	2.36	0.017
Roche cobas Integra / c 111 Uricase, colorimetric Dedicated Reagent	463	6.98	2.54	0.021
Abbott ARCHITECT/Alinity (c, i, ci ... Uricase, colorimetric Dedicated Reagent	431	6.93	2.06	0.017
Siemens Dimension Series Uricase, UV Dedicated Reagent	352	6.96	2.40	0.022
Mindray BS Series Uricase, colorimetric Dedicated Reagent	185	6.75	5.93	0.074
Roche cobas 8000 Uricase, colorimetric Dedicated Reagent	179	6.75	2.05	0.026
Abbott ARCHITECT/Alinity (c, i, ci ... Uricase, colorimetric Abbott Alinity	123	7.02	2.24	0.035



Uric Acid 20 : 6 CYCLE SAMPLE



Lab 171087

Data on File Report
Clinical Chemistry (Monthly) Program

Cycle 20

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Jul 2021 – Jul 2022

Sample No: 6

Sample Date: 13 Dec 21

Lot No: 211900



Sample Numbers

Analyte Unit	1	2	3	4	5	6	7	8	9	10	11	12
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Instrument: ERBA XL-640

ALB	g/dL	3.3	4.9	4.1	2.9	4.9	4.2					
ALKP	U/L	162	476	330	56	462	344					
ALT	U/L	484.6	25.9	69.3	171.4	20.2	68					
AST	U/L	622.2	27.2	128.4	359.6	34.4	141.9					
DBIL	mg/dL	0.97	1.97	1.55	0.47	1.91	1.54					
TBIL	mg/dL	2.97	8.51	5.82	1.07	8.41	5.84					
HDL	mg/dL	38.8	81.8	58.5	23.9	78.5	59					
CHOL	mg/dL	158.7	355.6	265	88.5	373.5	260.7					
CREA	mg/dL	1.72	3.09	2.38	1.19	3.02	2.37					
GLUC	mg/dL	116	32	710	150	33	745					
TP	g/dL	5.4	8.7	7.2	4.1	8.9	7.4					
TRIG	mg/dL	73.3	158	119.6	40.9	182.9	129.3					
UREA	mg/dL	53.3	172.9	117.2	19.3	164.4	113.1					
URIC	mg/dL	5.22	8.9	8.9	4.1	7.1	7.4					

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



Lab 171087

NATIONAL AYURVEDA RESEARCH INSTITUTE FOR
CCARS, MINISTRY AYUSH, GOVT OF INDIA) CHER
TRISSUR KERALA 679531
INDIA

Sample Comments
Clinical Chemistry (Monthly) Program

Cycle 20

Jul 2021 – Jul 2022
Sample No: 6
Sample Date: 13 Dec 21
Lot No: 211900



Sample History

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

Age: 75

Gender: Female

Race: Black