

Exceptions

✓ None at this time.

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: 242687

**Attn: MIHAELA ROTARU
LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA**

**Lab 242687**LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA**Configuration Report
Clinical Chemistry (Monthly) Program****Cycle 21**

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000

**Selected Options:**

Data Input: Online

Report Receipt: QCNet

Subgroup Number: None

Instrument

1560 – Roche AVL 9180

Analyte	Method	Reagent	Unit
050 ICA	023 ISE direct	0006 Dedicated Reagent	54 mmol/L

Instrument

0359 – Roche cobas INTEGRA

Analyte	Method	Reagent	Unit
007 ALB	043 Immunoturbidimetric	0006 Dedicated Reagent	15 g/dL
046 CO2	111 Enzymatic	0006 Dedicated Reagent	54 mmol/L
116 LDH	301 L to P – IFCC Ref. Proc., Calibrated	0006 Dedicated Reagent	56 U/L
122 LIP	112 Enzymatic, colorimetric	0006 Dedicated Reagent	56 U/L
140 PHOS	917 Phosphomolybdate method	0006 Dedicated Reagent	14 mg/dL
105 TIBC	103 Calculated	0006 Dedicated Reagent	13 µg/dL
106 UIBC	743 Ferrozine	0006 Dedicated Reagent	53 µmol/L

Instrument

3269 – Siemens Atellica CH Analyzer

Analyte	Method	Reagent	Unit
026 ALKP	308 PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated	4748 Siemens Atellica CH ALP_2c, REF 11097600	56 U/L
020 ALT	302 UV with P5P – IFCC Ref. Proc., Calibrated	4752 Siemens Atellica CH ALTPLC, REF 11097638	56 U/L
031 AMYL	359 G7 PNP, Blocked – IFCC Ref. Proc., Calibrated	1990 Siemens Atellica CH AMY_2 REF 11097649	56 U/L
034 AST	302 UV with P5P – IFCC Ref. Proc., Calibrated	4760 Siemens Atellica CH ASTPLC, REF 11097639	56 U/L
042 CA	403 Arsenazo III	1697 Siemens Atellica CH CA_2, REF 11097644	14 mg/dL
054 CHOL	667 Cholesterol oxidase, esterase, peroxidase	4800 Siemens Atellica CH Chol_2, REF 11097609	14 mg/dL
069 CK	069 NAC activated	4827 Siemens Atellica CH CK_L, REF 11097640	56 U/L
039 CL	029 ISE indirect	4786 Siemens Atellica CH A-LYTE IMT Na K Cl, RE...	54 mmol/L
072 CREA	111 Enzymatic	1931 Siemens Atellica CH ECre_2 REF 11097533	14 mg/dL
036 DBIL	873 Vanadate Oxidation	4762 Siemens Atellica CH DBil_2, REF 11097532	14 mg/dL
2696 eGFR	447 Calculated – CKD-EPI (Creatinine)	1931 Siemens Atellica CH ECre_2 REF 11097533	148mL/min/1.73m2
090 GGT	685 G-glutamyl-carboxy-nitroanilide	4863 Siemens Atellica CH GGT, REF 11097597	56 U/L
096 GLUC	221 Hexokinase	4862 Siemens Atellica CH GluH_3, REF 11097592	14 mg/dL
052 HDL	592 Direct measure, polymer-polyanion	4787 Siemens Atellica CH D-HDL, REF 11097630	14 mg/dL
104 IRON	517 Ferrozine-no deproteinization	4856 Siemens Atellica CH Iron_2, REF 11097601	13 µg/dL
135 K	029 ISE indirect	4786 Siemens Atellica CH A-LYTE IMT Na K Cl, RE...	54 mmol/L
145 LDL	007 Direct measure	4797 Siemens Atellica CH LDL, REF 11097632	14 mg/dL
128 MG	965 Xylidyl blue	4850 Siemens Atellica CH Mg, REF 11097612	14 mg/dL
159 NA	029 ISE indirect	4786 Siemens Atellica CH A-LYTE IMT Na K Cl, RE...	54 mmol/L
038 TBIL	873 Vanadate Oxidation	4763 Siemens Atellica CH TBil_2, REF 11097531	14 mg/dL
144 TP	627 Biuret method	4844 Siemens Atellica CH TP, REF 11097604	15 g/dL
168 TRIG	231 Enzymatic, end point	4835 Siemens Atellica CH Trig, REF 11097591	14 mg/dL
040 U-NIT	113 Urease, UV	4834 Siemens Atellica CH UN_c, REF 11097593	14 mg/dL
176 URIC	118 Uricase, colorimetric	4833 Siemens Atellica CH UA, REF 11097608	14 mg/dL



Lab 242687

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CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
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Configuration Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Instrument

3268 – Siemens Atellica IM Analyzer

Analyte	Method	Reagent	Unit
041 CORT	063 Chemiluminescence	1579 Siemens Atellica Reagent	13 µg/dL
179 FT3	063 Chemiluminescence	1579 Siemens Atellica Reagent	01 pg/mL
183 FT4	063 Chemiluminescence	1579 Siemens Atellica Reagent	12 ng/dL
177 TSH	063 Chemiluminescence	1579 Siemens Atellica Reagent	33 µIU/mL
178 TT3	063 Chemiluminescence	1579 Siemens Atellica Reagent	02 ng/mL
182 TT4	063 Chemiluminescence	1579 Siemens Atellica Reagent	13 µg/dL



Lab 242687

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Sample Summary Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Instrument: Roche AVL 9100 Series

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Calcium, Ionized	mmol/L	0,91	0,863	0,81	0,49	Peer

Instrument: Roche cobas Integra / c 111

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Albumin	g/dL	2,83	3,02	-0,99	-2,04	Peer
✓ CO2 (Carbon Dioxide)	mmol/L	17,4	17,0	0,36	0,18	Peer
✓ LDH	U/L	391	400	-0,78	-0,37	Peer
✓ Lipase	U/L	73,9	72,0	0,34	0,69	Peer
✓ Phosphorus	mg/dL	7,32	7,42	-0,67	0,02	Peer
✓ TIBC	µg/dL	224,4	228	-0,46	-0,62	Peer
✓ UIBC	µmol/L	21,5	22,1	-0,48	-0,56	Peer

Instrument: Siemens Atellica CH Analyzer

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Alkaline Phosphatase	U/L	334	349	-1,48	0,03	Peer
✓ ALT (ALAT/GPT)	U/L	158	155	0,66	0,20	Peer
✓ Amylase	U/L	815	804	0,83	0,70	Peer
✓ AST/GOT	U/L	97	99,8	-1,06	-0,73	Peer
✓ Bilirubin, Direct	mg/dL	1,42	1,43	-0,09	-0,35	Peer
✓ Bilirubin, Total	mg/dL	3,01	3,13	-1,18	-1,13	Peer
✓ Calcium	mg/dL	8,3	8,45	-1,20	0,10	Peer
✓ Chloride	mmol/L	87,6	87,0	0,47	1,23	Peer
✓ Cholesterol, HDL	mg/dL	32	32,5	-0,55	0,04	Peer
✓ Cholesterol, LDL	mg/dL	92	96,5	-1,14	-1,01	Peer
✓ Cholesterol, Total	mg/dL	161	163	-0,58	-0,24	Peer
✓ Creatine Kinase	U/L	192	198	-0,96	-0,53	Peer
✓ Creatinine	mg/dL	6,87	6,93	-0,57	0,32	Peer
✓ eGFR	mL/min/1.73m ²	7,9	8,58	-1,08	-0,70	Mode
✓ G-Glutamyltransferase	U/L	145	148	-0,99	-0,99	Peer
✓ Glucose	mg/dL	114	112	0,86	0,51	Peer
✓ Iron	µg/dL	99	98,9	0,05	0,10	Peer
✓ Magnesium	mg/dL	3,37	3,25	0,94	0,44	Peer
✓ Potassium	mmol/L	5,16	5,10	0,71	0,52	Peer
✓ Protein, Total	g/dL	4,8	4,75	0,57	0,04	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 242687

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Sample Summary Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

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External Quality Assurance Services

Instrument: Siemens Atellica CH Analyzer

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Sodium	mmol/L	125	124	0,77	1,47	Peer
✓ Triglycerides	mg/dL	99	98,3	0,38	-0,55	Peer
✓ Urea Nitrogen	mg/dL	71,63	71,8	-0,12	0,26	Peer
✓ Uric Acid	mg/dL	8,1	8,19	-0,68	-0,40	Peer

Instrument: Siemens Atellica IM Analyzer

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Cortisol	µg/dL	15,01	15,3	-0,33	-0,42	Peer
✓ T3, Free	pg/mL	4,2	4,24	-0,45	0,07	Peer
✓ T3, Total	ng/mL	1,47	1,50	-0,25	-1,22	Peer
✓ T4, Free	ng/dL	1,28*	1,33	-1,16	0,24	Peer
✓ T4, Total	µg/dL	7,32	7,50	-0,42	-0,24	Peer
✓ TSH	µIU/mL	6,506	6,00	1,20	0,86	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) † Non-robust determination of Mean and SD

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Date: _____



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
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ROMANIA

Calcium, Ionized Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Roche AVL 9100 Series

Your Result

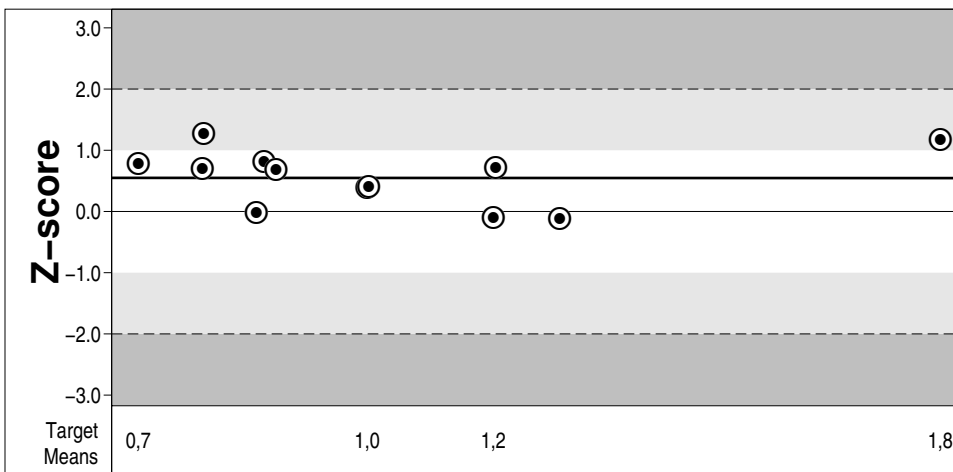
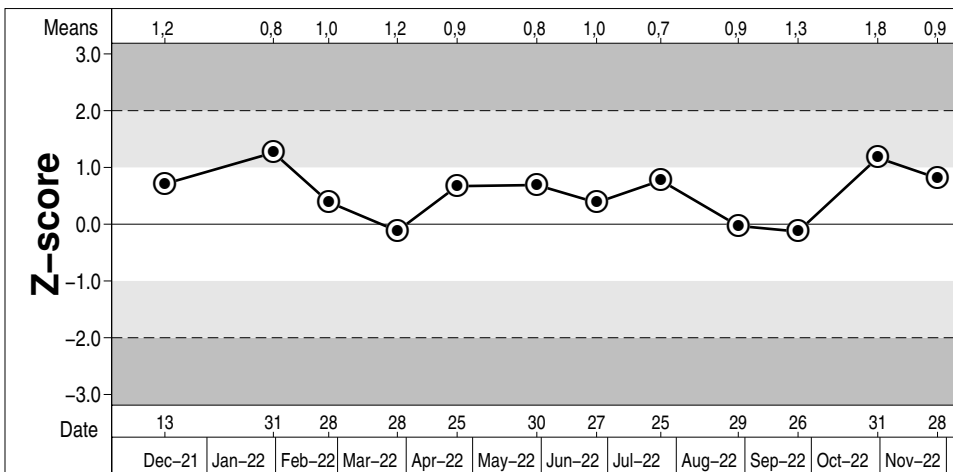
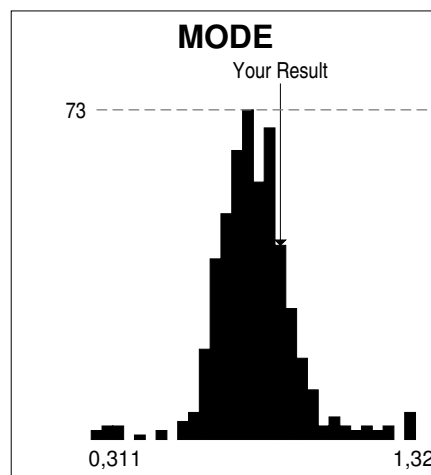
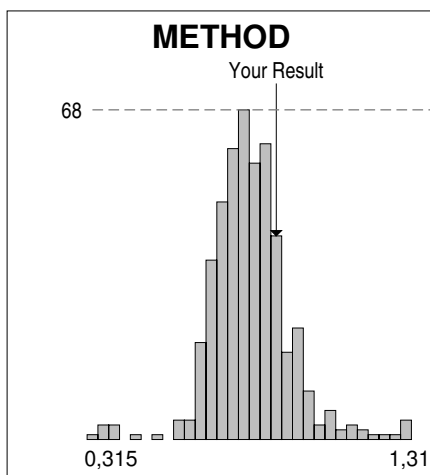
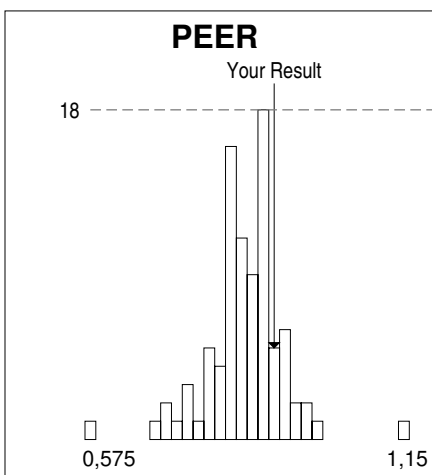
0,91 mmol/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	522	0,816	0,101	12,4	0,011	0,93	0,83	11,5
Your Method	485	0,815	0,100	12,3	0,011	0,95	0,86	11,7
Your Peer	89	0,863	0,058	6,67	0,015	0,81	0,49	5,41



	N	Mean	CV	U ¹
Roche AVL 9100 Series ISE direct Dedicated Reagent	89	0,863	6,67	0,015
SENSA CORE – ST-100/100B/100C/200 ISE direct Dedicated Reagent	56	0,868	15,0	0,044
Radiometer ABL 800 Series ISE direct Dedicated Reagent	52	0,786	8,19	0,022
Roche cobas b 221 (Omni S) ISE direct Dedicated Reagent	35	0,759	4,65	0,015
Medica EasyLyte Series/Expand ISE direct Dedicated Reagent	21	0,802	19,0	0,083
IL Gem Premier 4000 ISE direct Dedicated Reagent	21	0,790	10,7	0,046
Roche cobas 6000/8000/c 311 Calculated Dedicated Reagent	19	1,16	5,12	0,034
Beckman Coulter AU Series Calculated Dedicated Reagent	16	1,18	5,82	0,043
Roche cobas b 121 (Omni C) ISE direct Dedicated Reagent	15	0,730	6,78	0,032

Calcium, Ionized
CYCLE 21 : 5
SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Albumin Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Roche cobas Integra / c 111

Your Result

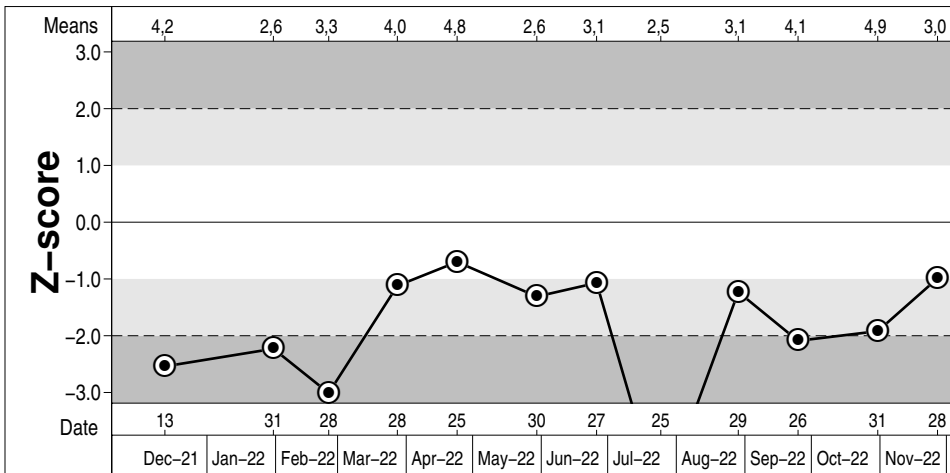
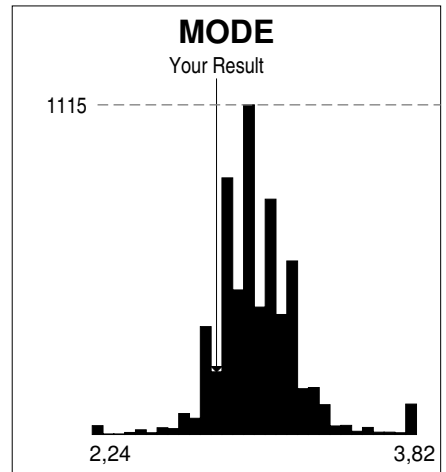
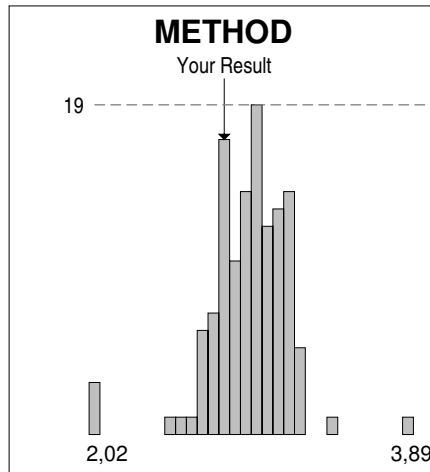
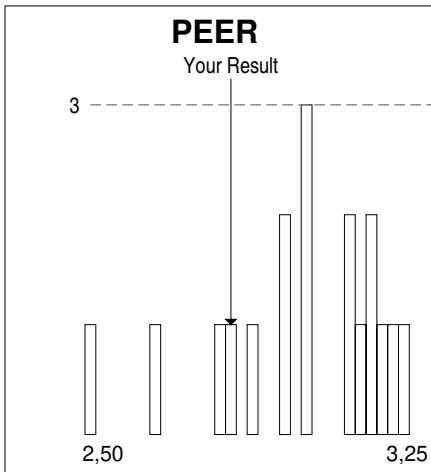
2,83 g/dL

- ◆ Your Mode
- Your Method
- Your Peer

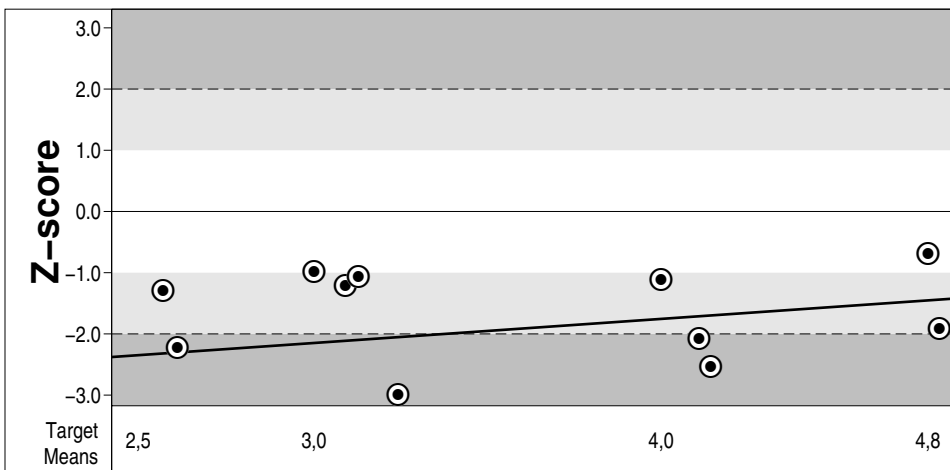
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	6136	3,03	0,158	5,22	0,005	-1,27	-1,33	-6,65
Your Method	125	2,96	0,187	6,34	0,042	-0,67	-0,88	-4,25
Your Peer	18	3,02	0,186	6,18	0,110	-0,99	-2,04	-6,14

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Brom cresol Green (BCG) Dedicated Reagent	1064	3,13	3,08	0,007
Beckman Coulter AU Series Brom cresol Green (BCG) Dedicated Reagent	864	2,94	2,21	0,006
VITROS Microslide Series Brom cresol Green (BCG) - Vitros VITROS Dry Slides Reagent Group	604	2,94	3,42	0,010
Roche cobas Integra / c 111 Brom cresol Green (BCG) Dedicated Reagent	390	3,18	2,79	0,011
Siemens Dimension Series Brom cresol Purple (BCP) Dedicated Reagent	365	2,85	2,81	0,010
Abbott ARCHITECT/Alinity (c, i, ci ... Brom cresol Green (BCG) Dedicated Reagent	351	2,98	1,97	0,008
Mindray BS Series Brom cresol Green (BCG) Dedicated Reagent	168	3,09	4,85	0,029
Abbott ARCHITECT/Alinity (c, i, ci ... Brom cresol Purple (BCP) Dedicated Reagent	103	2,87	2,84	0,020
Siemens Atellica CH Analyzer Brom cresol Green (BCG) Siemens Atellica CH Alb, REF 11097590	102	3,07	2,20	0,017



Albumin 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

CO2 (Carbon Dioxide) Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Roche cobas Integra / c 111

Your Result

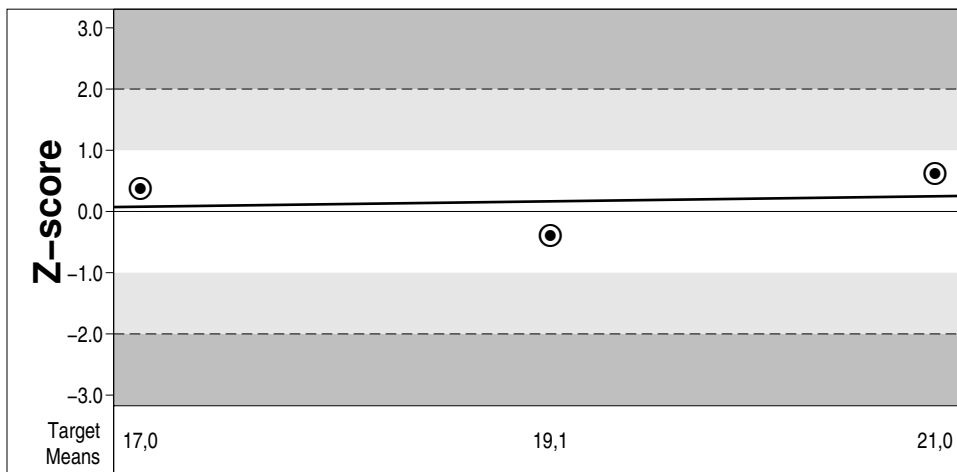
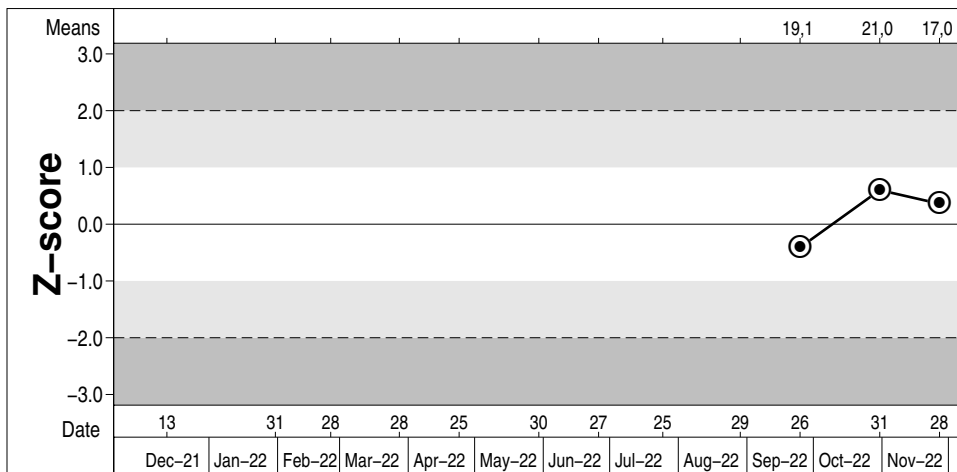
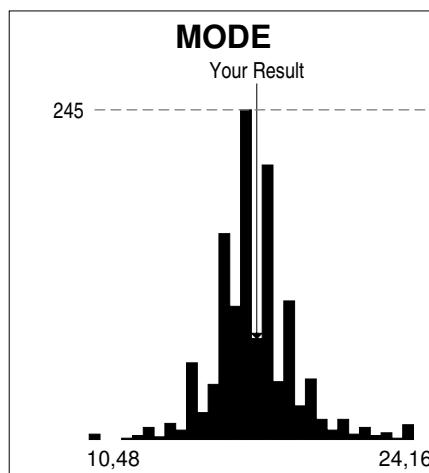
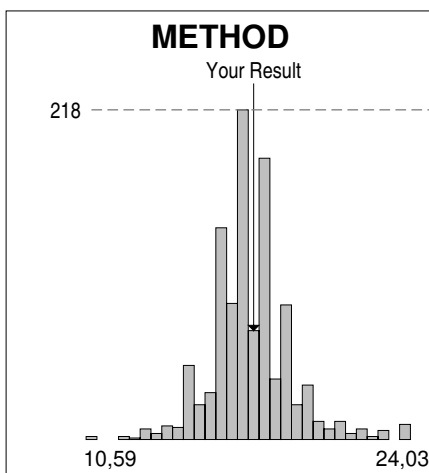
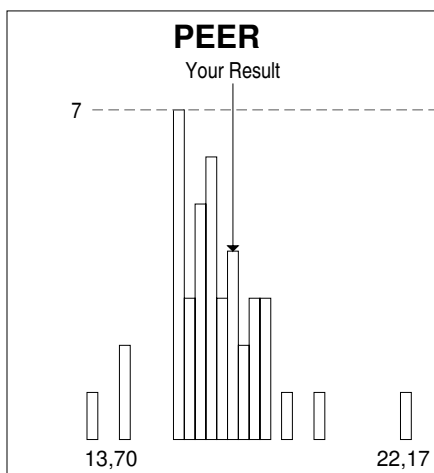
17,4 mmol/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	1218	17,3	1,37	7,90	0,098	0,06	-0,10	0,469
Your Method	1090	17,3	1,34	7,76	0,102	0,06	-0,09	0,494
Your Peer	42	17,0	1,03	6,04	0,396	0,36	0,18	2,17

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Enzymatic Dedicated Reagent	259	16,9	6,40	0,168
VITROS Microslide Series Enzymatic VITROS Dry Slides Reagent Group	189	17,7	7,43	0,239
Beckman Coulter AU Series Enzymatic Dedicated Reagent	152	17,6	5,55	0,198
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic Dedicated Reagent	116	16,1	8,12	0,304
Siemens Dimension Series Enzymatic Dedicated Reagent	63	19,2	7,67	0,464
Siemens Atellica CH Analyzer Enzymatic Siemens Atellica CH CO2_c, REF 11097521	63	18,0	5,05	0,286
Roche cobas c 303/503 Enzymatic Roche CO2-L, REF 08057494	50	16,7	6,70	0,397
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic Abbott Alinity c CO2, REF 07P72	46	17,0	4,94	0,309
Roche cobas Integra / c 111 Enzymatic Dedicated Reagent	42	17,0	6,04	0,396

CO2 (Carbon Dioxide) 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

LDH Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

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Lot No: 212000



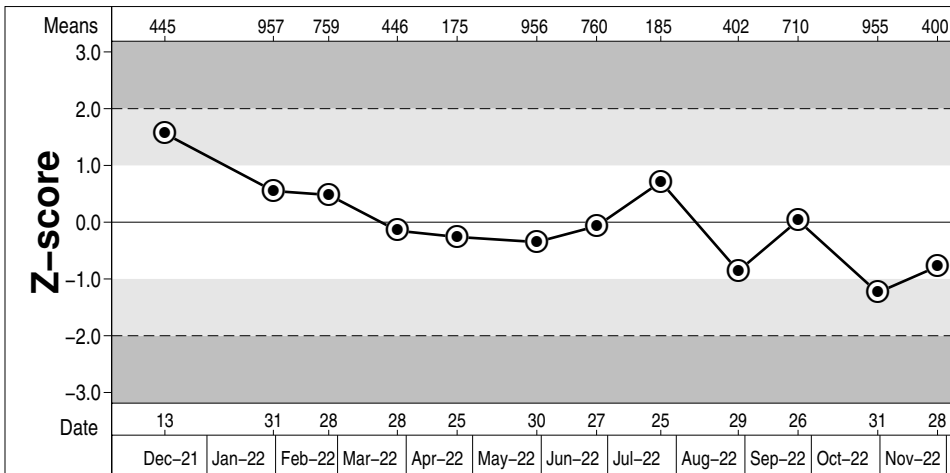
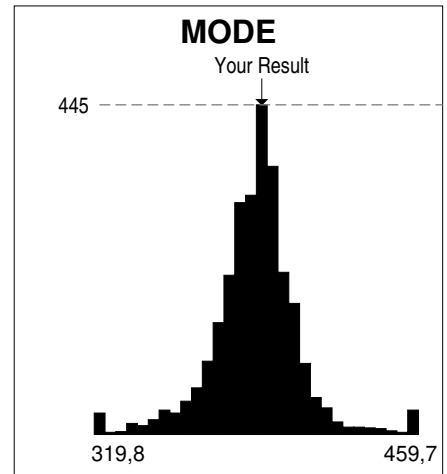
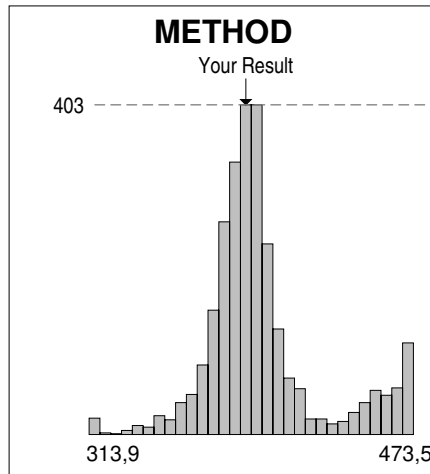
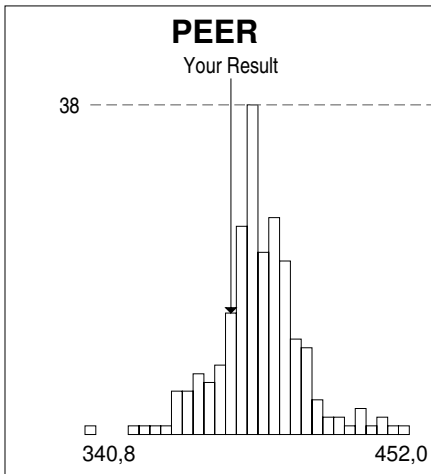
Roche cobas Integra / c 111

Your Result
391 U/L

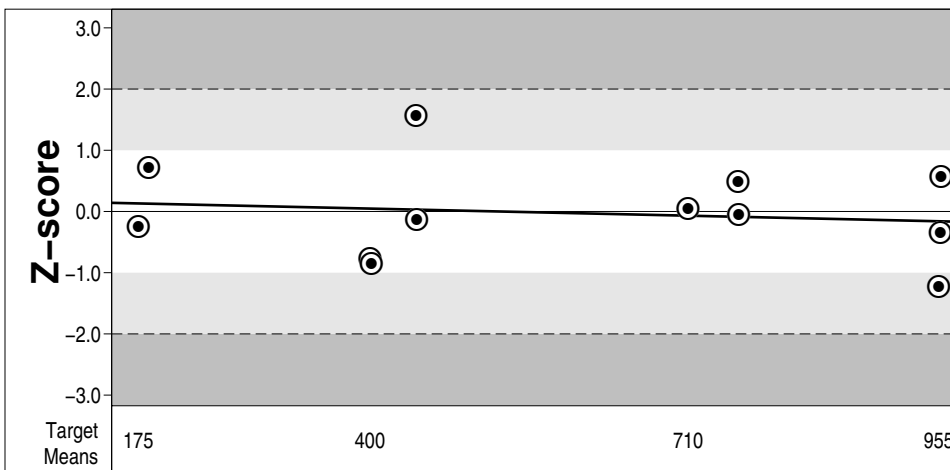
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	2840	390	14,0	3,59	0,657	0,09	0,08	0,322
■ Your Method	2701	394	16,0	4,05	0,768	-0,17	-0,16	-0,687
● Your Peer	216	400	11,9	2,97	2,02	-0,78	-0,37	-2,31



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 L to P – IFCC Ref. Proc., Calibrated Dedicated Reagent	830	392	2,37	0,804
VITROS Microslide Series L to P – IFCC Ref. Proc., Calibrated VITROS Dry Slides Reagent Group	332	461	2,87	1,82
Abbott ARCHITECT/Alinity (c, i, ci ... L to P – IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	319	383	3,55	1,90
Beckman Coulter AU Series L to P – IFCC Ref. Proc., Calibrated Dedicated Reagent	307	388	4,47	2,47
Roche cobas Integra / c 111 L to P – IFCC Ref. Proc., Calibrated Dedicated Reagent	216	400	2,97	2,02
Beckman Coulter AU Series Lactate to pyruvate Dedicated Reagent	182	387	4,72	3,39
Abbott ARCHITECT/Alinity (c, i, ci ... L to P – IFCC Ref. Proc., Calibrated Abbott Alinity c LDH, REF 07P74 (Factored, IF...	123	391	3,49	3,08
Siemens Atellica CH Analyzer L to P – IFCC Ref. Proc., Calibrated Siemens Atellica CH LDLP, REF 11097594	121	396	2,14	1,93
Siemens Dimension Series Lactate to pyruvate Dedicated Reagent	99	376	3,39	3,20



LDH 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Lipase Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

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Roche cobas Integra / c 111

Your Result

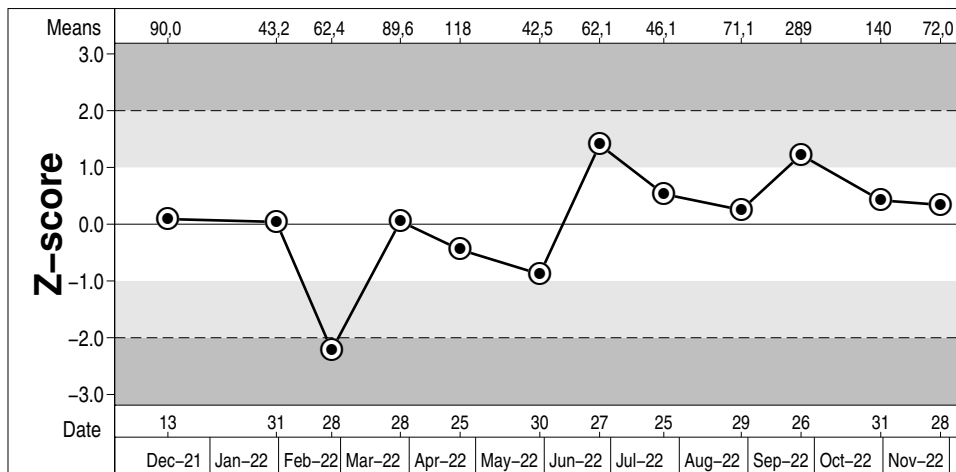
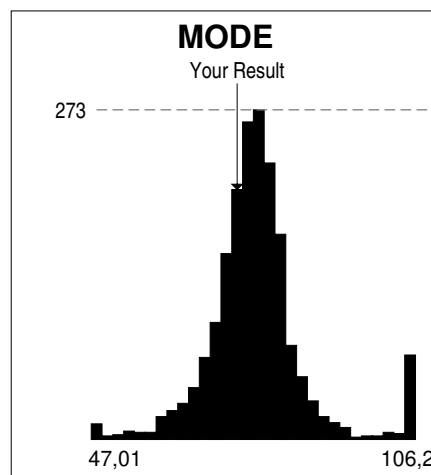
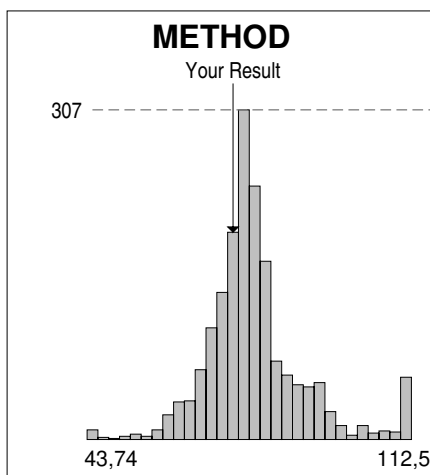
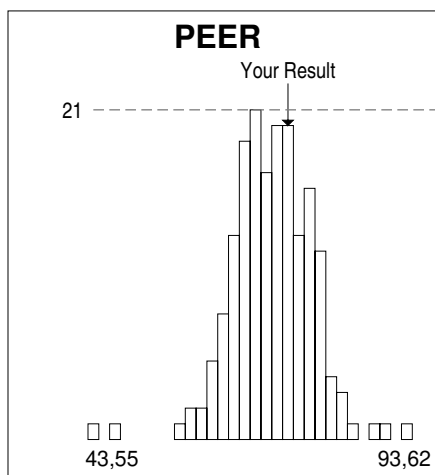
73,9 U/L

- ◆ Your Mode
- Your Method
- Your Peer

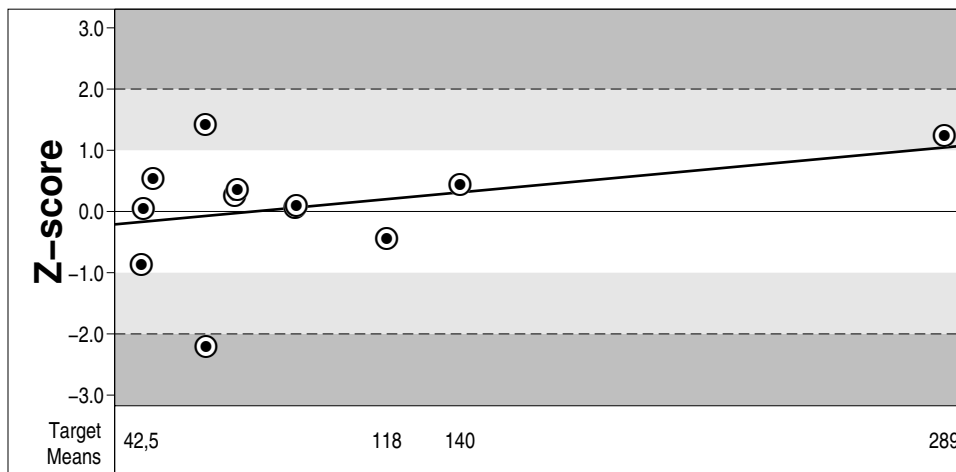
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	1910	76,6	5,92	7,73	0,339	-0,46	-0,19	-3,53
Your Method	1755	78,1	6,87	8,80	0,410	-0,61	-0,35	-5,37
Your Peer	182	72,0	5,68	7,90	1,05	0,34	0,69	2,68

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Enzymatic, colorimetric Dedicated Reagent	446	79,0	4,38	0,410
VITROS Microslide Series Enzymatic with colipase-VITROS VITROS Dry Slides Reagent Group	360	957	3,53	4,45
Beckman Coulter AU Series Enzymatic, colorimetric Dedicated Reagent	319	75,0	4,63	0,487
Roche cobas Integra / c 111 Enzymatic, colorimetric Dedicated Reagent	182	72,0	7,90	1,05
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic with colipase Dedicated Reagent	173	74,2	4,51	0,636
Siemens Dimension Series Colorimetric (Siemens calibrated) Siemens Dimension LIPL (DF56)	124	250	10,1	5,68
Roche cobas 6000/8000/c 311 Enzymatic, colorimetric Roche Lipase ACN 789/8789/786/8786 high	95	79,4	3,72	0,757
Siemens Atellica CH Analyzer Enzymatic, colorimetric Siemens Atellica CH Lip, REF 11097606	93	92,0	3,37	0,805
Roche cobas c 303/503 Enzymatic, colorimetric Roche LIPC, REF 08057982	65	76,8	5,07	1,21



Lipase 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Phosphorus Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Roche cobas Integra / c 111

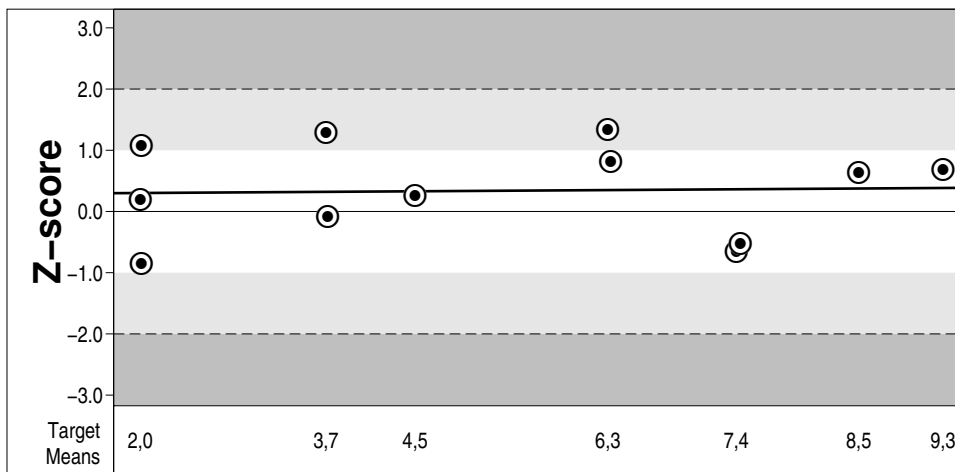
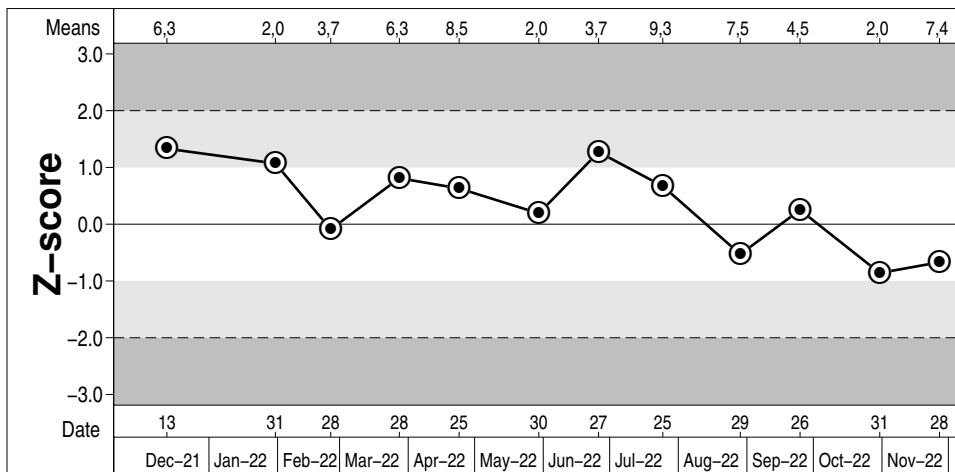
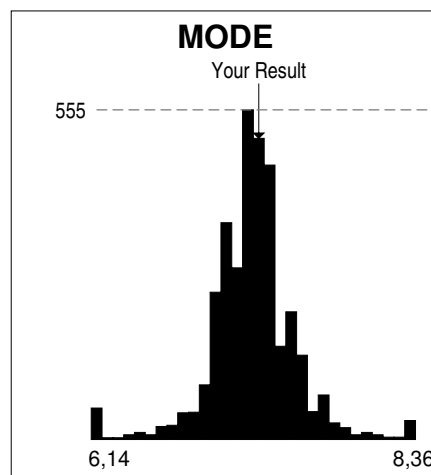
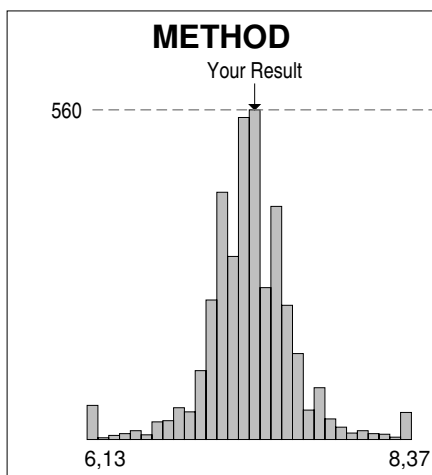
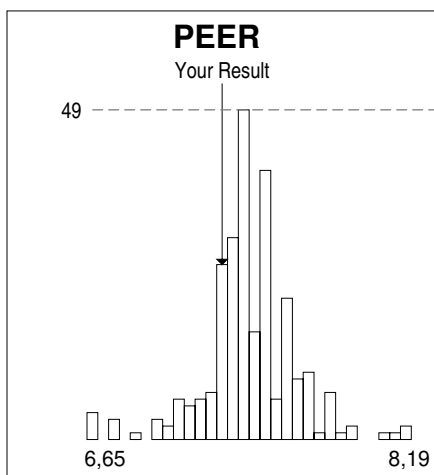
Your Result
7,32 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	3494	7,25	0,222	3,06	0,009	0,30	0,74	0,923
Your Method	3773	7,25	0,224	3,08	0,009	0,31	0,68	0,970
Your Peer	259	7,42	0,154	2,07	0,024	-0,67	0,02	-1,40



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Phosphomolybdate method Dedicated Reagent	982	7,22	2,06	0,012
Beckman Coulter AU Series Phosphomolybdate method Dedicated Reagent	702	7,26	2,58	0,018
VITROS Microslide Series Phosphomolybdate reduction-VITROS VITROS Dry Slides Reagent Group	429	7,34	2,73	0,024
Abbott ARCHITECT/Alinity (c, i, ci ... Phosphomolybdate method Dedicated Reagent	354	7,16	1,61	0,015
Roche cobas Integra / c 111 Phosphomolybdate method Dedicated Reagent	259	7,42	2,07	0,024
Abbott ARCHITECT/Alinity (c, i, ci ... Phosphomolybdate method Abbott Alinity c Phosphorus, REF 08P40	178	7,09	1,48	0,020
Siemens Dimension Series Phosphomolybdate method Siemens Dimension PHOS, DF61A	166	7,41	2,29	0,033
Siemens Atellica CH Analyzer Phosphomolybdate method Siemens Atellica CH IP, REF 11097611	133	7,50	2,00	0,033
Siemens ADVIA Chemistry Systems Phosphomolybdate method Dedicated Reagent	96	7,38	2,44	0,046

Phosphorus 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

TIBC Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Roche cobas Integra / c 111

Your Result

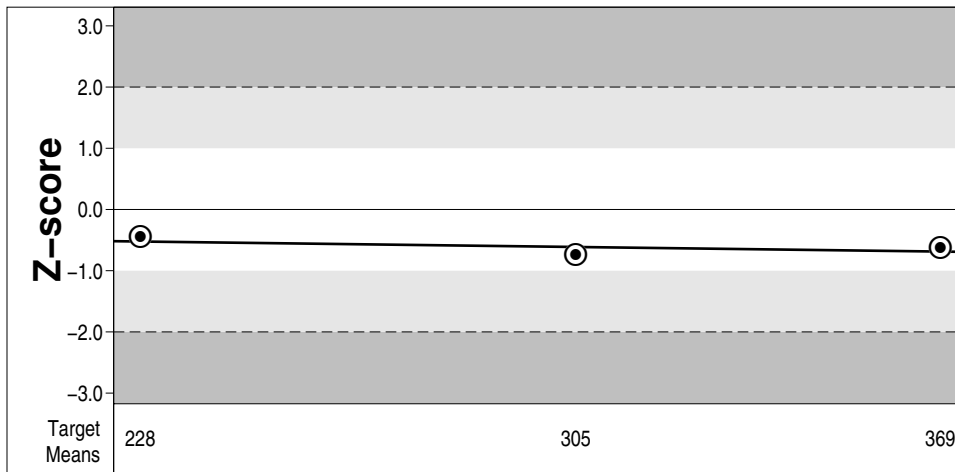
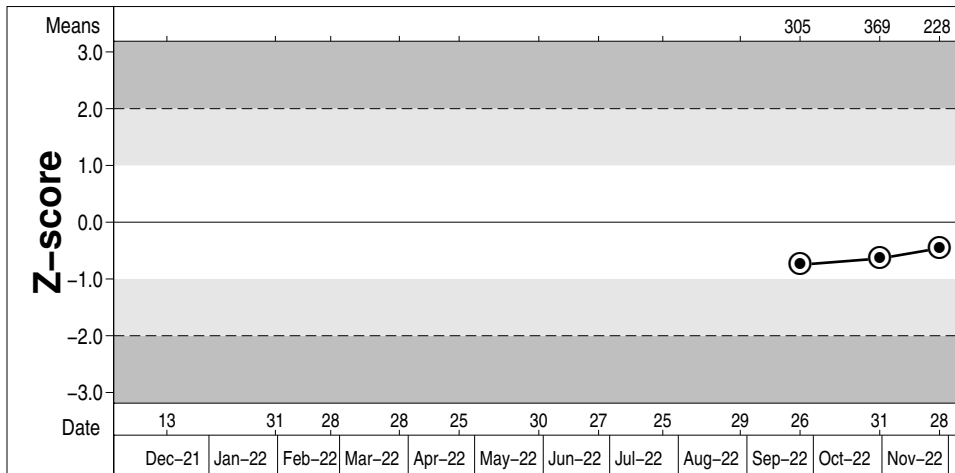
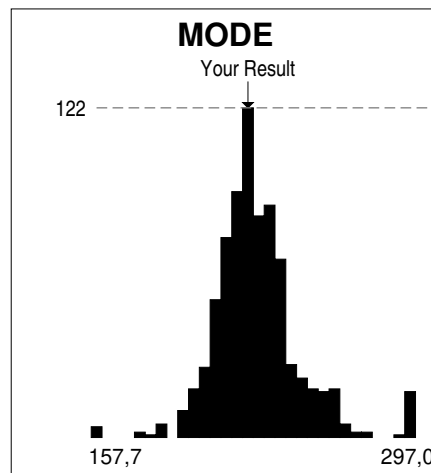
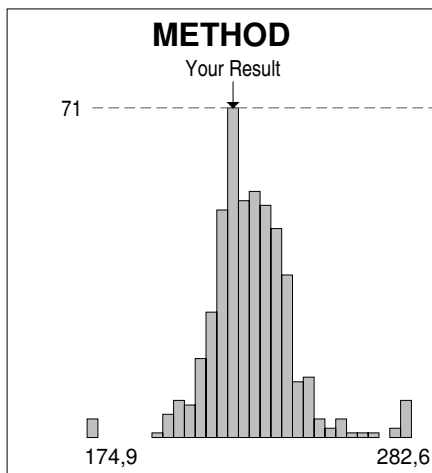
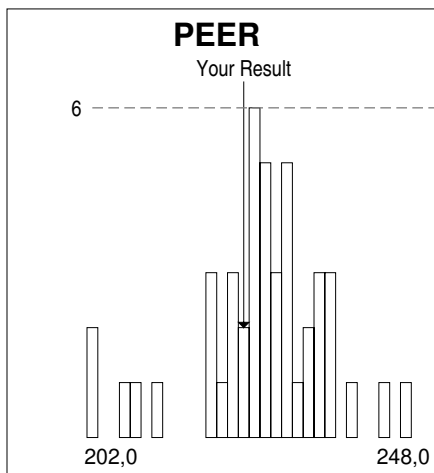
224,4 µg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	767	227	13,9	6,12	1,26	-0,21	-0,42	-1,30
Your Method	471	229	10,8	4,71	1,24	-0,40	-0,62	-1,89
Your Peer	45	228	7,16	3,15	2,67	-0,46	-0,62	-1,43

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Calculated Dedicated Reagent	179	224	3,73	1,56
Siemens Dimension Series Ferene Dedicated Reagent	137	214	4,36	2,00
Beckman Coulter AU Series Calculated Dedicated Reagent	132	238	3,01	1,56
VITROS Microtip Series Chromazurol B-VITROS Dedicated Reagent	111	274	2,38	1,55
Roche cobas Integra / c 111 Calculated Dedicated Reagent	45	228	3,15	2,67
Siemens Atellica CH Analyzer Chromazurol Dye Siemens Atellica CH TIBC, REF 11097525	41	258	1,77	1,78
Abbott ARCHITECT/Alinity (c, i, ci ...) Calculated Abbott Alinity c Iron/UIBC	36	224	3,74	3,48
Abbott ARCHITECT/Alinity (c, i, ci ...) Calculated Dedicated Reagent	26	223	3,31	3,61
VITROS Microslide Series Alumina VITROS Dry Slides Reagent Group	24	273	4,99	6,96

TIBC 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

UIBC Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Roche cobas Integra / c 111

Your Result

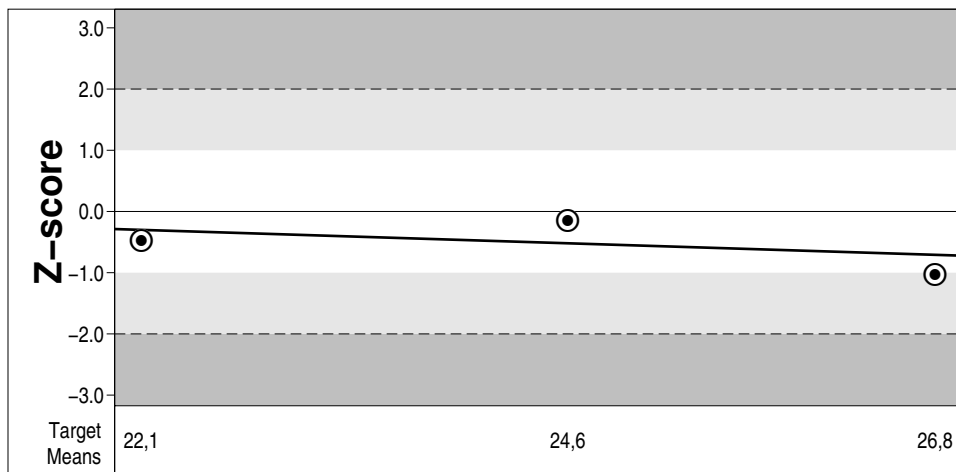
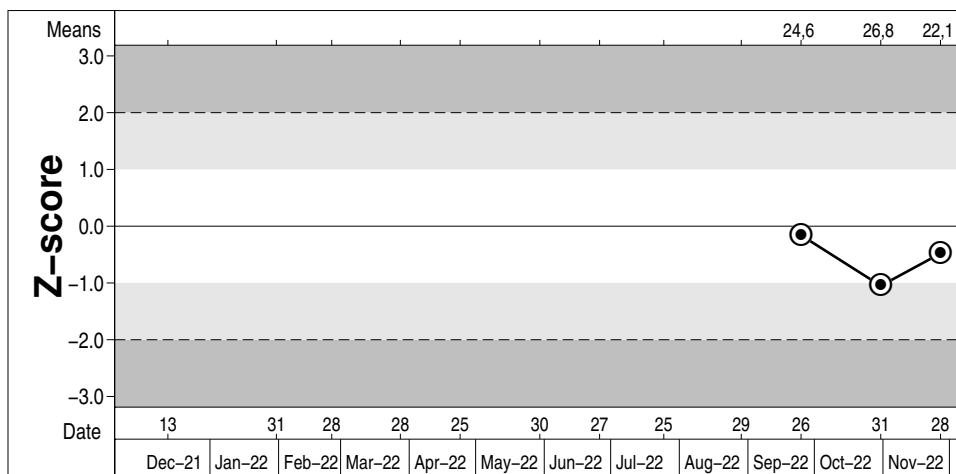
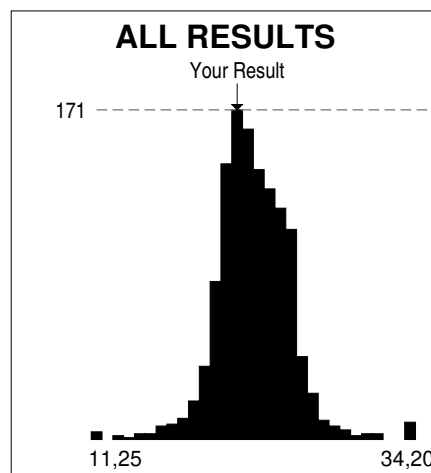
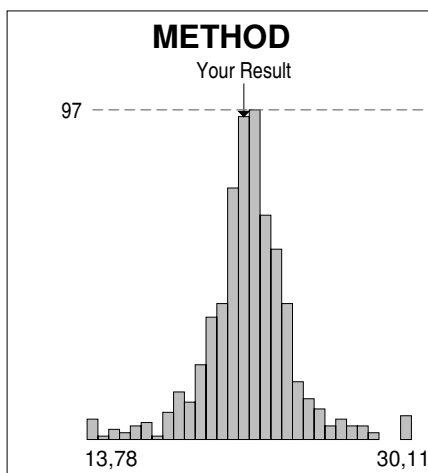
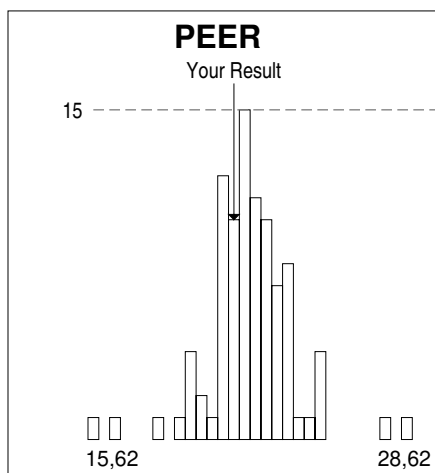
21,5 $\mu\text{mol/L}$

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	1259	22,7	2,30	10,1	0,162	-0,53	-0,54	-5,39
Your Method	646	21,9	1,63	7,44	0,161	-0,27	-0,27	-2,04
Your Peer	92	22,1	1,30	5,88	0,339	-0,48	-0,56	-2,81

Your Deviation



	N	Mean	CV	U ¹
Beckman Coulter AU Series Nitroso-PSAP Dedicated Reagent	329	25,0	4,00	0,138
Roche cobas 6000/c 311 Ferrozine Dedicated Reagent	311	21,9	6,61	0,205
Roche cobas Integra / c 111 Ferrozine Dedicated Reagent	92	22,1	5,88	0,339
Abbott ARCHITECT/Alinity (c, i, ci ... Ferene Abbott Alinity c UIBC, REF 08P44	85	21,1	3,90	0,223
Abbott ARCHITECT/Alinity (c, i, ci ... Ferene Dedicated Reagent	82	21,3	7,13	0,419
Roche cobas 8000 Ferrozine Dedicated Reagent	80	22,2	7,68	0,477
Archem Diagnostic BM400 Ferrozine Dedicated Reagent	58	21,4	13,4	0,939
Roche cobas c 303/503 Ferrozine Roche UIBC, REF 08058776	45	22,7	3,07	0,259
Archem Diagnostic BM400 Ferene Dedicated Reagent	14	20,7	8,16	1,13

UIBC 21 : 5 CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Alkaline Phosphatase Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

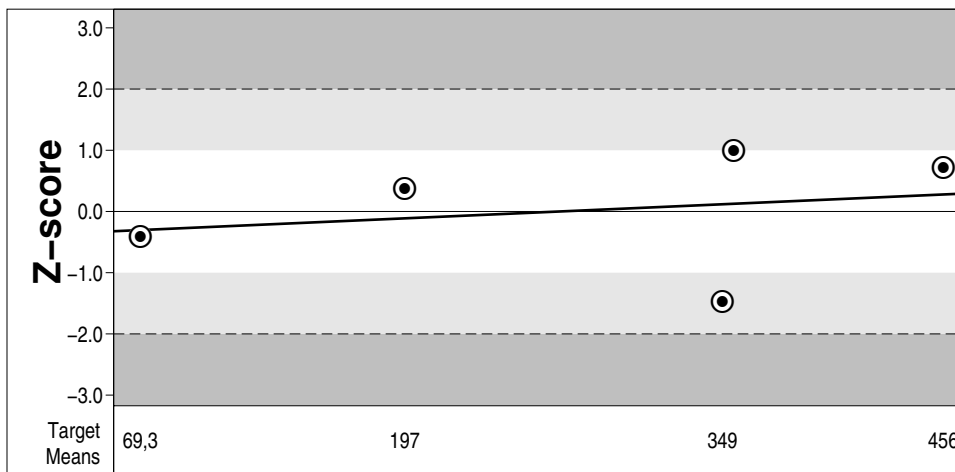
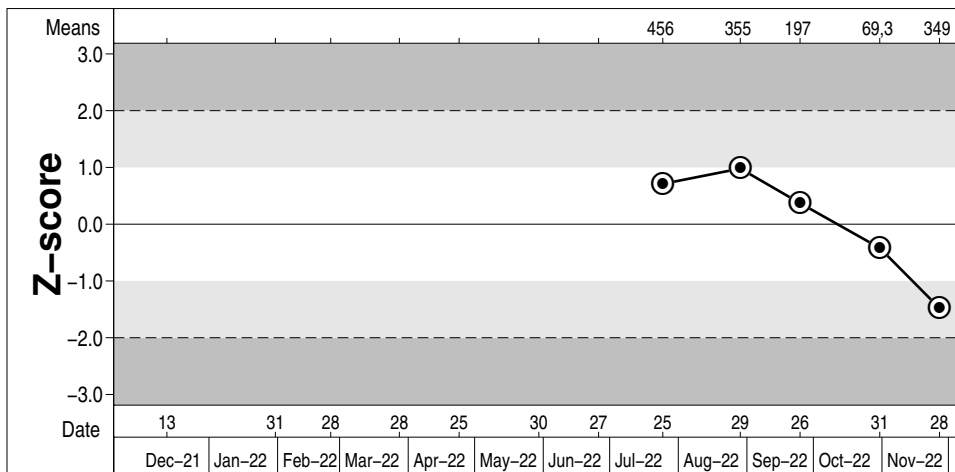
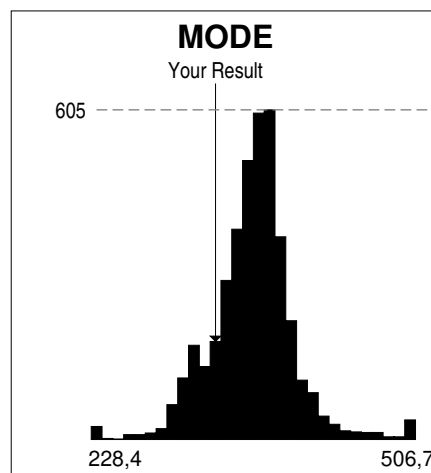
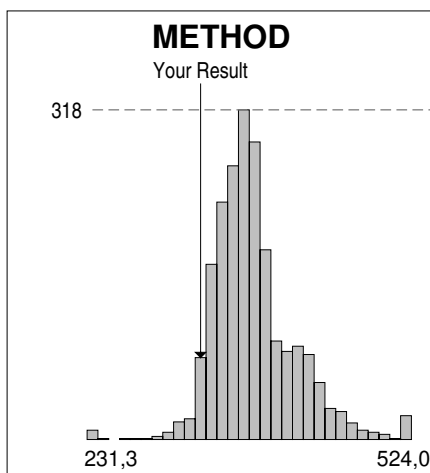
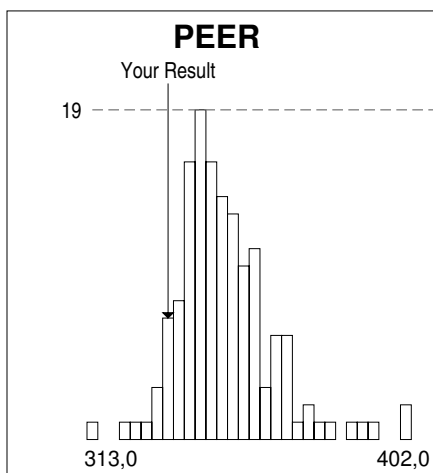
334 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	4094	368	27,8	7,57	1,09	-1,21	-0,45	-9,13
Your Method	2115	378	29,3	7,75	1,59	-1,49	-0,77	-11,6
Your Peer	146	349	10,5	3,01	2,17	-1,48	0,03	-4,43



	N	Mean	CV	U ¹
Beckman Coulter AU Series PNPP, AMP Buffer Dedicated Reagent	611	426	5,93	2,55
Roche cobas 6000/c 311 PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated Dedicated Reagent	513	371	3,30	1,35
Roche cobas 6000/c 311 PNPP, AMP Buffer Dedicated Reagent	495	371	3,03	1,26
VITROS Microslide Series PNPP, AMP Buffer – VITROS VITROS Dry Slides Reagent Group	482	317	4,79	1,73
Abbott ARCHITECT/Alinity (c, i, ci ... PNPP, AMP Buffer Dedicated Reagent	365	385	4,12	2,08
Beckman Coulter AU Series PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated Dedicated Reagent	254	427	5,67	3,80
Siemens Dimension Series PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated Dedicated Reagent	197	354	4,70	2,96
Roche cobas Integra / c 111 PNPP, AMP Buffer – IFCC Ref. Proc., Calibrated Dedicated Reagent	191	390	4,88	3,44
Roche cobas Integra / c 111 PNPP, AMP Buffer Dedicated Reagent	191	384	4,41	3,06

Alkaline Phosphatase 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

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

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Siemens Atellica CH Analyzer

Your Result

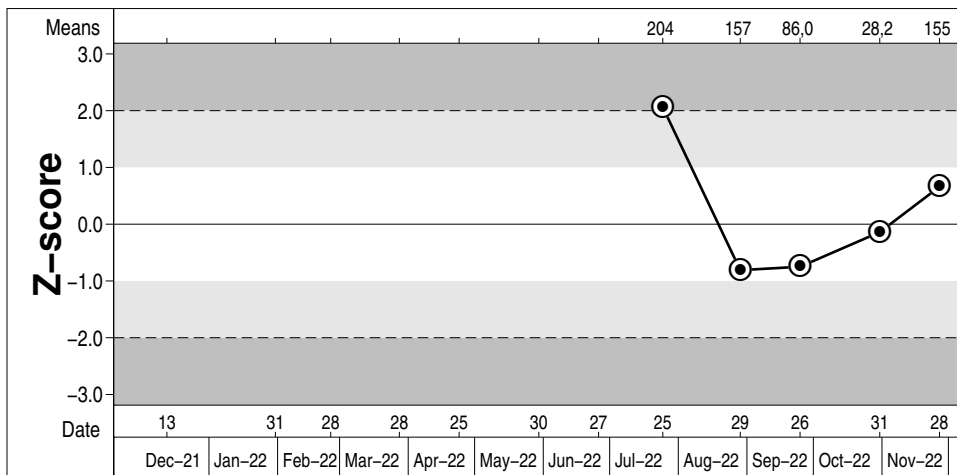
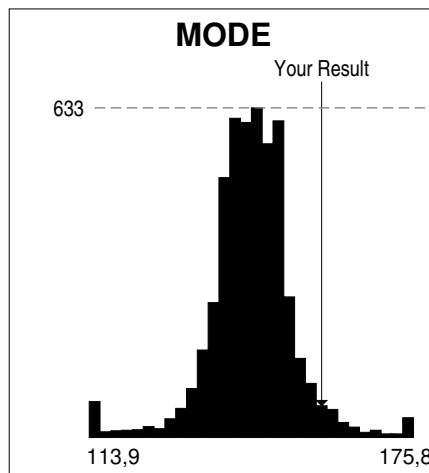
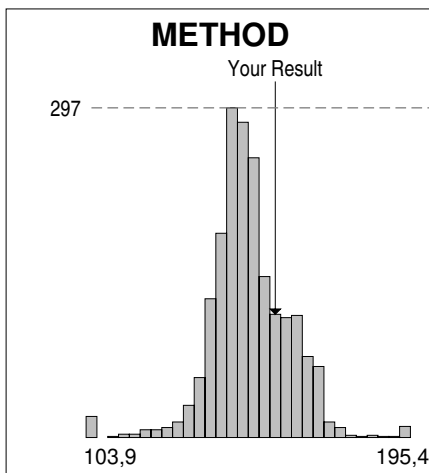
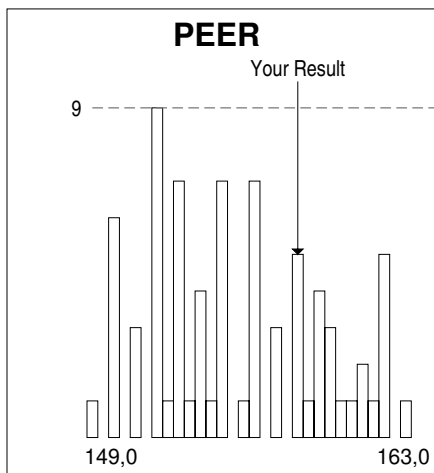
158 U/L

- ◆ Your Mode
- Your Method
- Your Peer

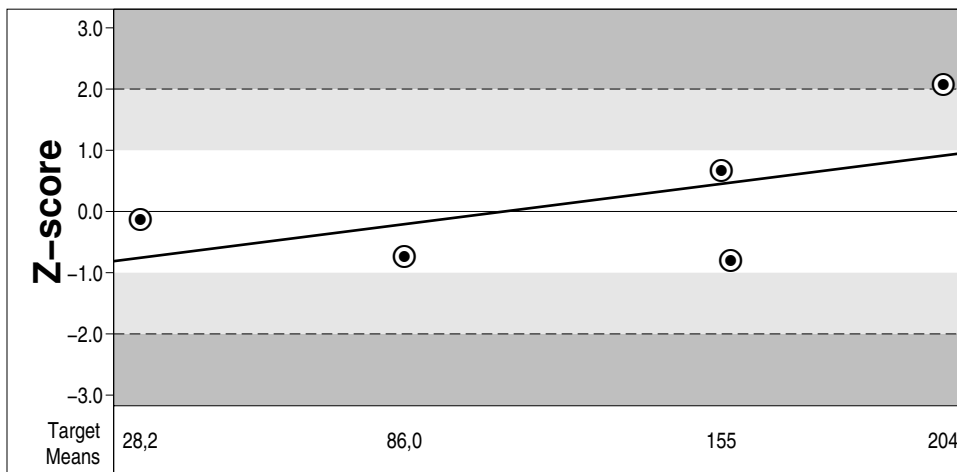
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	5061	145	6,19	4,27	0,217	2,13	1,59	9,09
Your Method	1942	150	9,16	6,12	0,520	0,91	0,59	5,57
Your Peer	74	155	4,00	2,58	1,16	0,66	0,20	1,71



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	1071	142	2,25	0,244
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	451	148	2,69	0,468
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	420	147	3,02	0,541
Beckman Coulter AU Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	403	148	3,18	0,585
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	364	139	2,66	0,486
VITROS Microslide Series UV with P5P-VITROS VITROS Dry Slides Reagent Group	276	146	3,16	0,696
VITROS Microslide Series UV with P5P – IFCC Ref. Proc., Calibrated VITROS Dry Slides Reagent Group	232	146	2,84	0,681
Siemens Dimension Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	206	161	2,93	0,822
Roche cobas 6000/8000/c 311 UV with P5P – IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	196	144	3,10	0,796



ALT (ALAT/GPT) 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Amylase Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

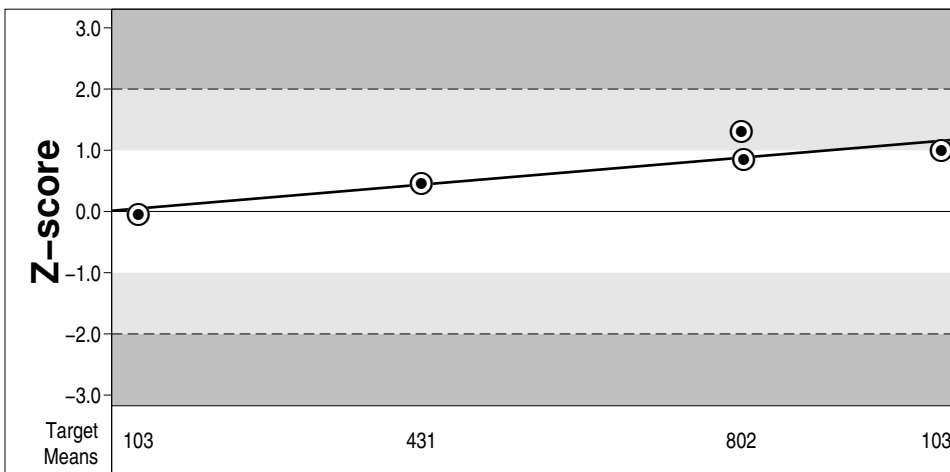
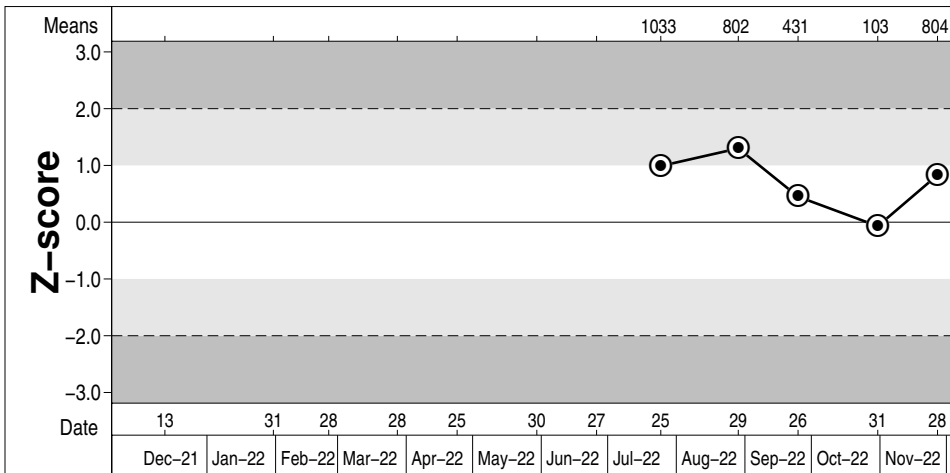
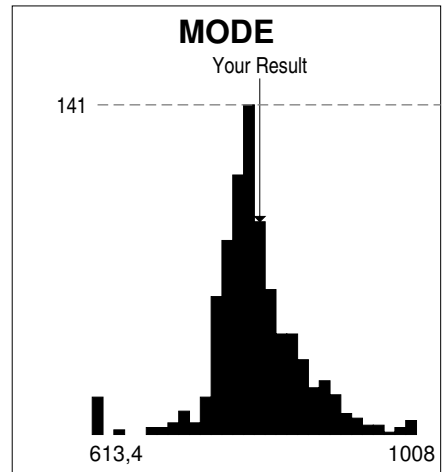
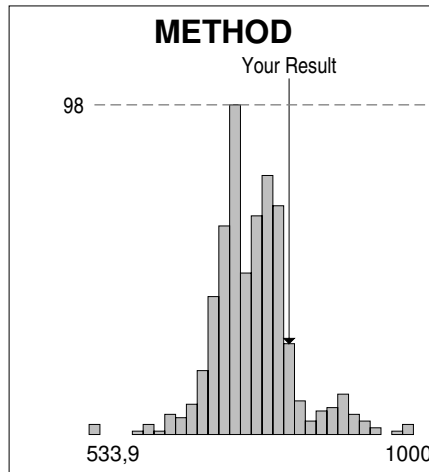
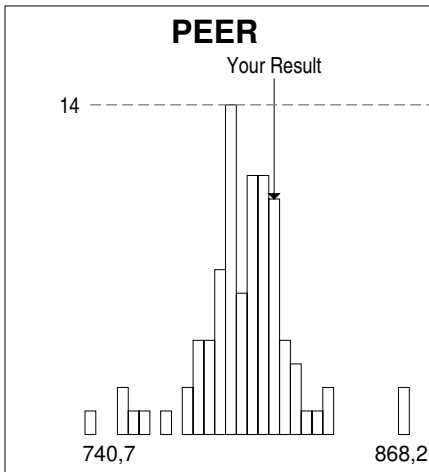
Your Result
815 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	819	811	39,4	4,87	3,44	0,11	1,16	0,550
Your Method	590	767	46,6	6,08	4,80	1,03	1,04	6,26
Your Peer	88	804	12,7	1,58	3,40	0,83	0,70	1,31

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 G7 PNP, Blocked Dedicated Reagent	866	686	1,97	1,15
VITROS Microslide Series Amylopectin, colorimetric-VITROS VITROS Dry Slides Reagent Group	378	373	4,22	2,03
Beckman Coulter AU Series CNP-triose/CNPG3 Dedicated Reagent	317	765	4,68	5,03
Abbott ARCHITECT/Alinity (c, i, ci ... CNP-triose/CNPG3 Dedicated Reagent	305	799	3,61	4,13
Beckman Coulter AU Series G7 PNP, Blocked - IFCC Ref. Proc., Calibrated Dedicated Reagent	259	742	3,60	4,15
Roche cobas Integra / c 111 G7 PNP, Blocked Dedicated Reagent	244	704	2,07	2,33
Siemens Dimension Series CNP-triose/CNPG3 Dedicated Reagent	199	909	2,42	3,89
Siemens Atellica CH Analyzer G7 PNP, Blocked - IFCC Ref. Proc., Calibrated Siemens Atellica CH AMY_2 REF 11097649	88	804	1,58	3,40
Abbott ARCHITECT/Alinity (c, i, ci ... CNP-triose/CNPG3 Abbott Alinity c, Amylase, REF 07P58	81	828	4,32	9,93

Amylase 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

AST/GOT Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

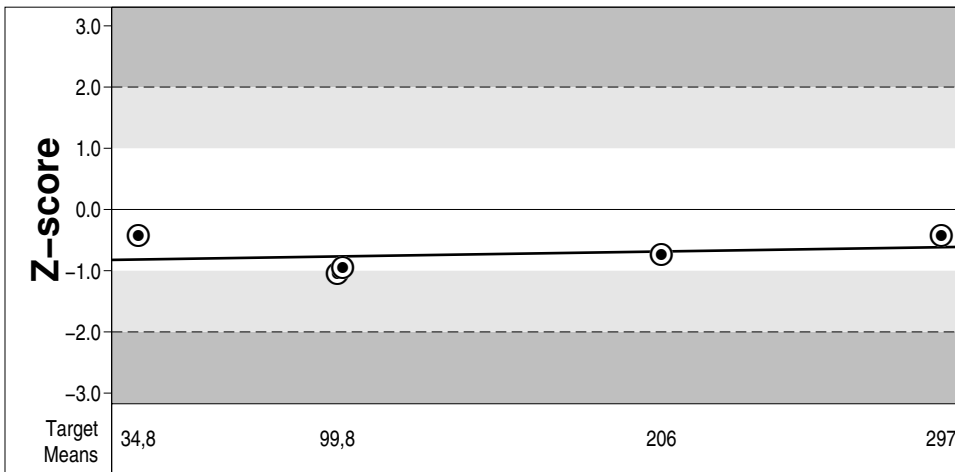
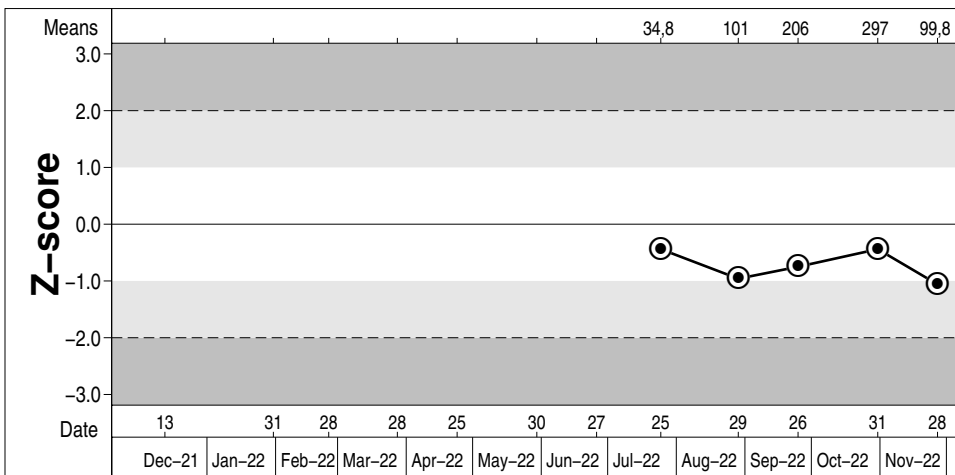
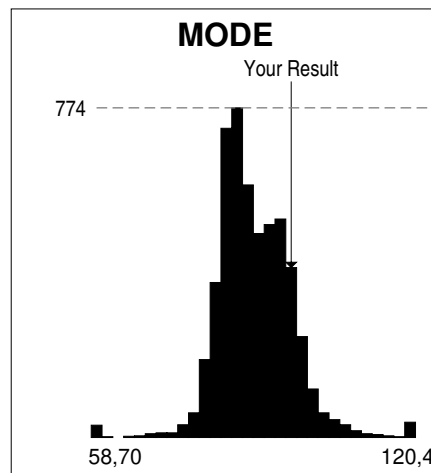
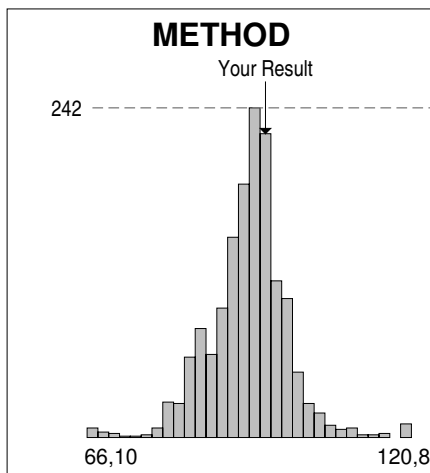
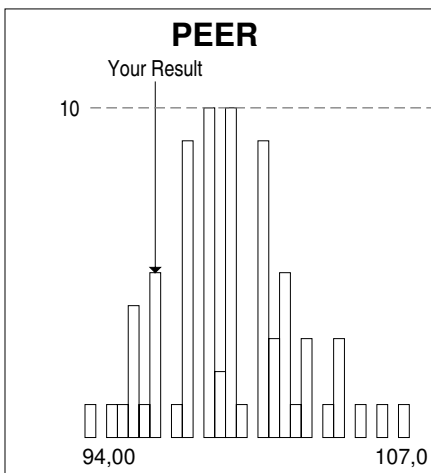
97 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	5243	89,5	6,17	6,89	0,213	1,21	1,40	8,34
Your Method	1519	93,4	5,47	5,85	0,351	0,65	0,78	3,81
Your Peer	73	99,8	2,63	2,63	0,769	-1,06	-0,73	-2,78



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 UV without P5P Dedicated Reagent	998	86,4	2,77	0,190
Abbott ARCHITECT/Alinity (c, i, ci ... UV without P5P Dedicated Reagent	416	84,6	2,51	0,260
Beckman Coulter AU Series UV without P5P BC AU Calibrator 66300	413	93,9	3,13	0,362
Beckman Coulter AU Series UV with P5P – IFCC Ref. Proc., Calibrated Dedicated Reagent	392	93,8	3,44	0,407
Roche cobas Integra / c 111 UV without P5P Dedicated Reagent	366	84,9	3,49	0,387
VITROS Microslide Series Enzymatic, colorimetric-VITROS VITROS Dry Slides Reagent Group	276	101	3,50	0,534
Siemens Dimension Series UV with P5P Dedicated Reagent	271	92,0	4,69	0,655
VITROS Microslide Series UV with P5P-VITROS VITROS Dry Slides Reagent Group	217	101	3,31	0,567
Roche cobas 6000/8000/c 311 UV with P5P – IFCC Ref. Proc., Calibrated Factored, IFCC Correlated	201	90,7	6,90	1,10

AST/GOT 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Bilirubin, Direct Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

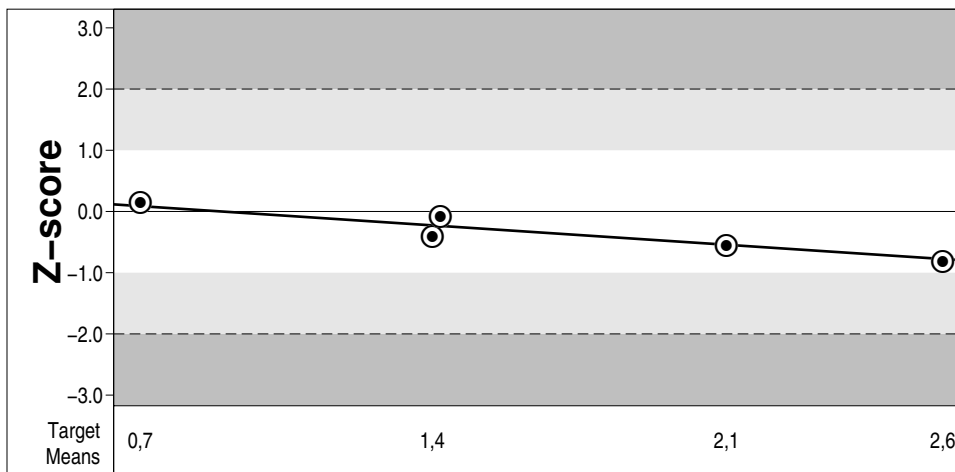
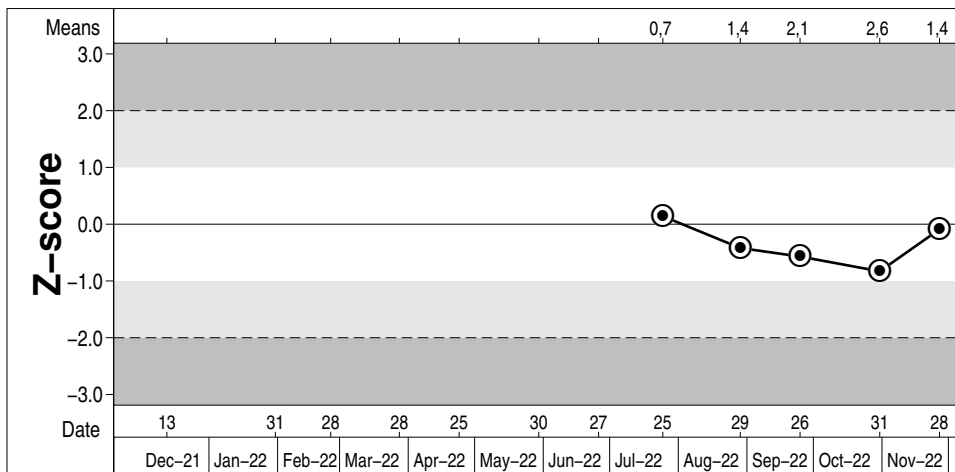
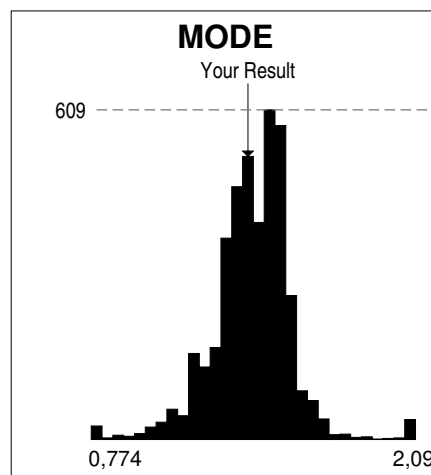
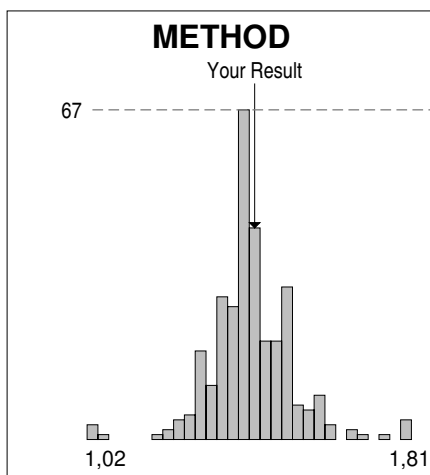
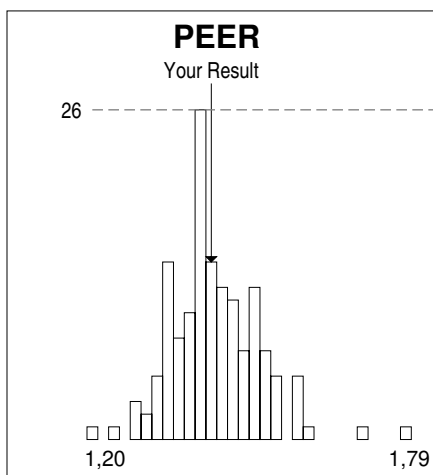
Your Result
1,42 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	4160	1,43	0,131	9,17	0,005	-0,08	-0,49	-0,719
Your Method	315	1,42	0,079	5,54	0,011	0,04	-0,21	0,213
Your Peer	146	1,43	0,074	5,16	0,015	-0,09	-0,35	-0,483



	N	Mean	CV	U ¹
Beckman Coulter AU Series				
Diazotization Dedicated Reagent	838	1,36	3,69	0,004
Roche cobas 6000/8000/c 311				
Diazotization Jendrassik-Grof Roche Direct Bilirubin	768	1,53	2,95	0,004
Abbott ARCHITECT/Alinity (c, i, ci ...)				
Diazotization Dedicated Reagent	414	1,50	4,50	0,008
Siemens Dimension Series				
Diazotization Dedicated Reagent	314	0,976	5,49	0,008
Roche cobas 6000/8000/c 311				
Diazotization Dumas Roche Direct Bilirubin	294	1,43	10,5	0,022
Roche cobas Integra / c 111				
Diazotization Jendrassik-Grof Roche Direct Bilirubin	288	1,50	4,30	0,010
VITROS Microslide Series				
Spectrophotometric VITROS Dry Slides Reagent Group	211	0,481	22,3	0,018
Abbott ARCHITECT/Alinity (c, i, ci ...)				
Diazotization Abbott Alinity c Bili D, REF 07P97	185	1,47	4,24	0,011
Siemens Atellica CH Analyzer				
Vanadate Oxidation Siemens Atellica CH DBil_2, REF 11097532	146	1,43	5,16	0,015

Bilirubin, Direct 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Bilirubin, Total Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



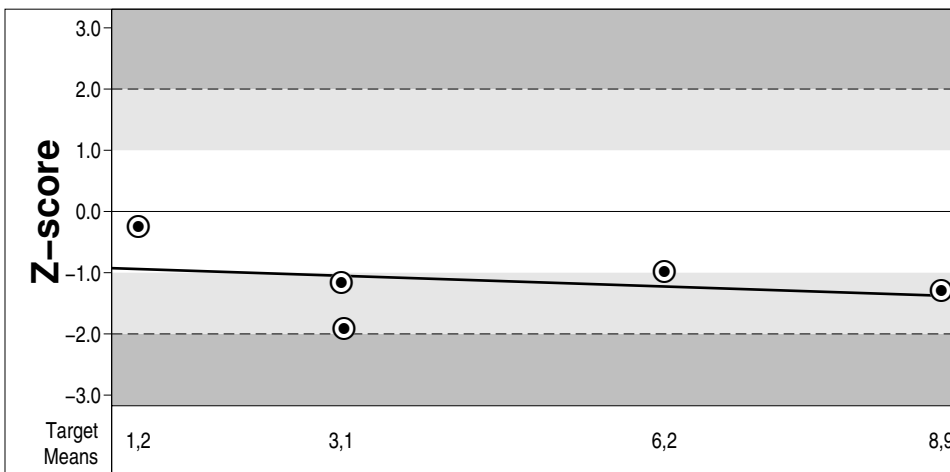
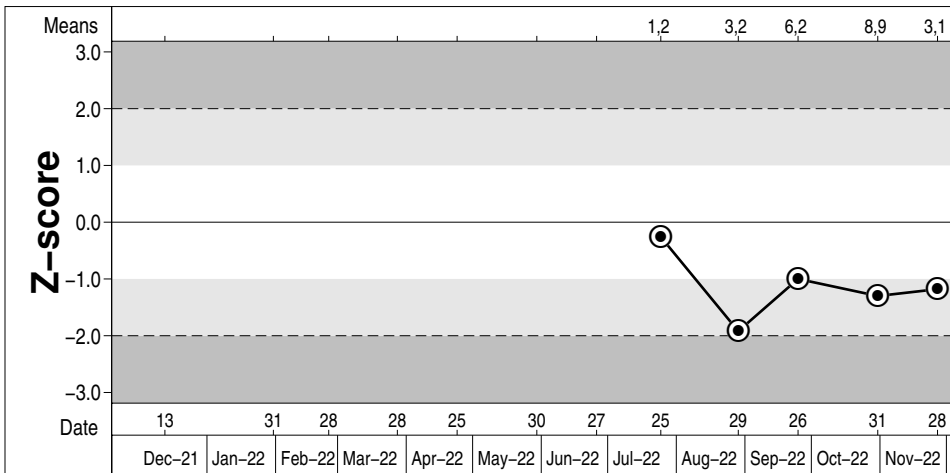
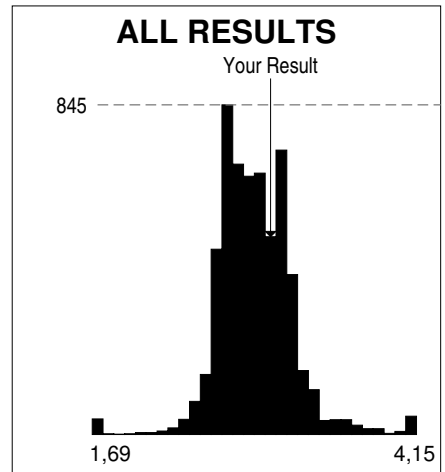
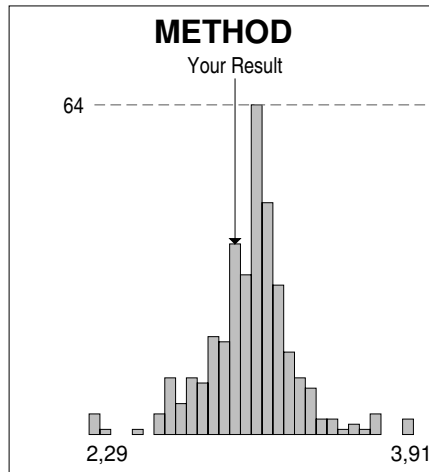
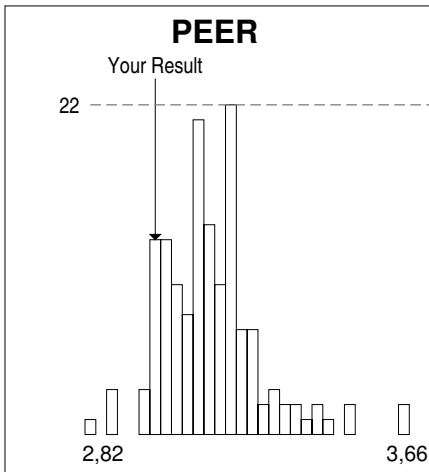
Siemens Atellica CH Analyzer

Your Result
3,01 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	5853	2,92	0,246	8,44	0,008	0,37	0,48	3,14
■ Your Method	344	3,10	0,162	5,22	0,022	-0,55	-0,55	-2,87
● Your Peer	149	3,13	0,105	3,34	0,021	-1,18	-1,13	-3,95



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Diazonium Ion, Blanked (Roche) Dedicated Reagent	1230	2,71	2,98	0,006
Beckman Coulter AU Series Diazonium Ion Dedicated Reagent	902	3,13	2,53	0,007
Abbott ARCHITECT/Alinity (c, i, ci ... Diazonium Ion Dedicated Reagent	454	2,95	4,54	0,016
VITROS Microslide Series Diphylline, Diazonium Salt-VITROS VITROS Dry Slides Reagent Group	439	2,80	5,62	0,019
Roche cobas Integra / c 111 Diazonium Ion, Blanked (Roche) Dedicated Reagent	410	2,79	4,31	0,015
Siemens Dimension Series Diazonium Ion Dedicated Reagent	367	2,96	3,48	0,013
Abbott ARCHITECT/Alinity (c, i, ci ... Diazonium Ion Abbott Alinity c Bili Total, REF 04V51	197	2,99	4,19	0,022
Siemens Atellica CH Analyzer Vanadate Oxidation Siemens Atellica CH TBIL_2, REF 11097531	149	3,13	3,34	0,021
Roche cobas c 303/503 Diazonium Ion, Blanked (Roche) Roche BILT3, REF 08056960	101	2,61	3,06	0,020

Bilirubin, Total 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Calcium Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

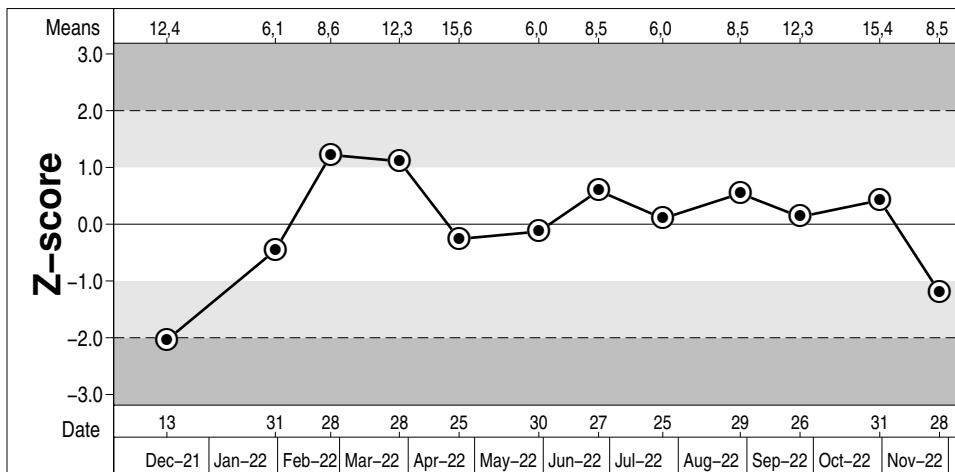
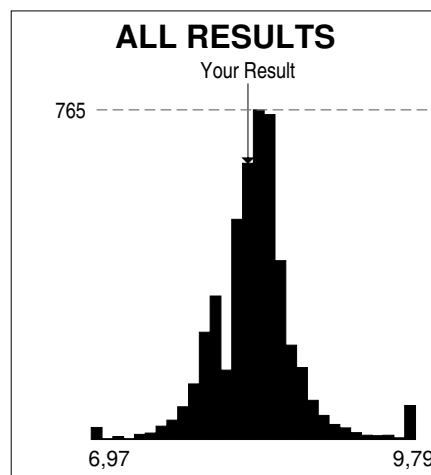
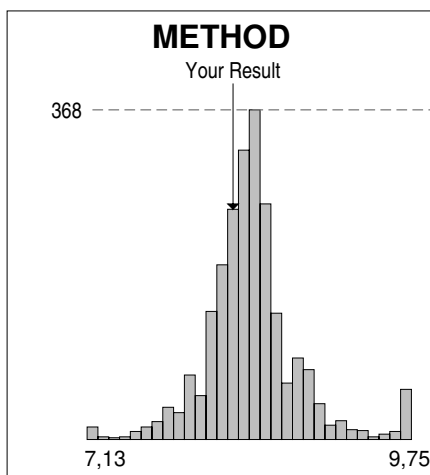
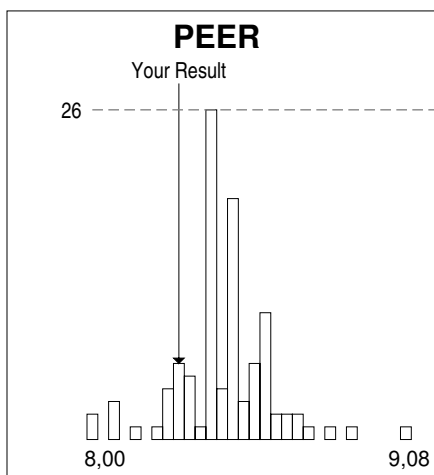
Your Result
8,3 mg/dL

- ◆ All Results
- Your Method
- ◎ Your Peer

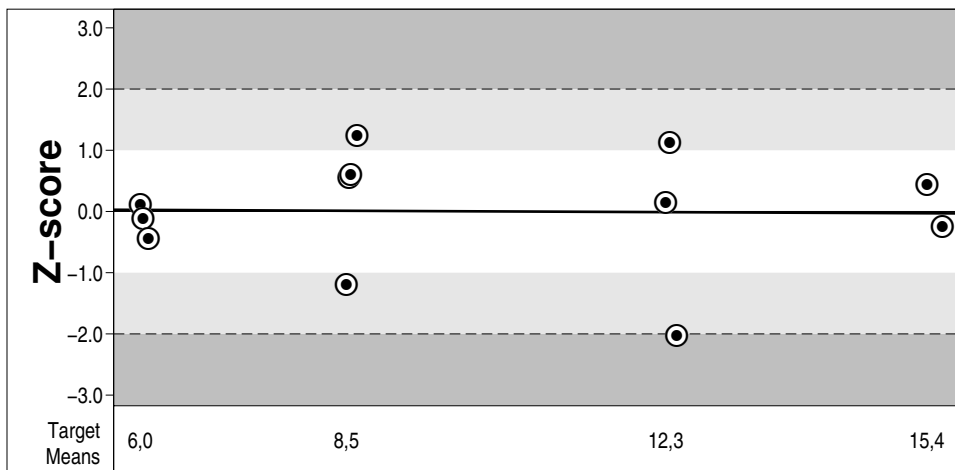
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	4899	8,38	0,282	3,36	0,010	-0,29	0,30	-0,984
Your Method	2346	8,44	0,263	3,11	0,014	-0,53	0,17	-1,65
Your Peer	101	8,45	0,126	1,49	0,031	-1,20	0,10	-1,79

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 BAPTA Dedicated Reagent	884	8,45	2,02	0,014
Beckman Coulter AU Series Arsenazo III Dedicated Reagent	699	8,51	1,91	0,015
VITROS Microslide Series Arsenazo III-VITROS VITROS Dry Slides Reagent Group	480	8,08	2,15	0,020
Abbott ARCHITECT/Alinity (c, i, ci ... Arsenazo III Dedicated Reagent	416	8,24	2,39	0,024
Siemens Dimension Series o-cresolphthalein complexone Dedicated Reagent	290	8,16	3,19	0,038
Roche cobas Integra / c 111 BAPTA Dedicated Reagent	281	8,39	2,26	0,028
Abbott ARCHITECT/Alinity (c, i, ci ... Arsenazo III Abbott Alinity c Calcium, REF 07P57	200	8,34	2,14	0,032
Roche cobas 6000/8000/c 311 o-cresolphthalein complexone Dedicated Reagent	185	8,47	1,98	0,031
Siemens Atellica CH Analyzer Arsenazo III Siemens Atellica CH CA_2, REF 11097644	101	8,45	1,49	0,031



Calcium 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Chloride Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023
Sample No: 5
Sample Date: 28 Nov 22
Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

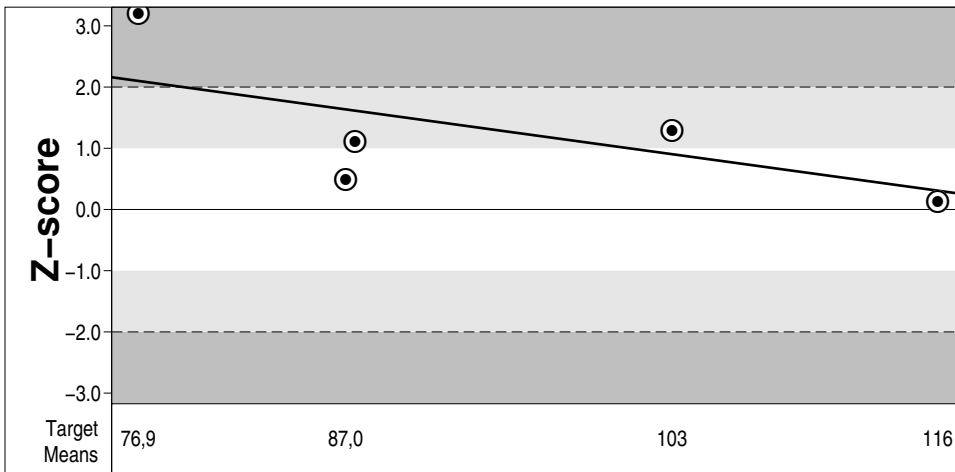
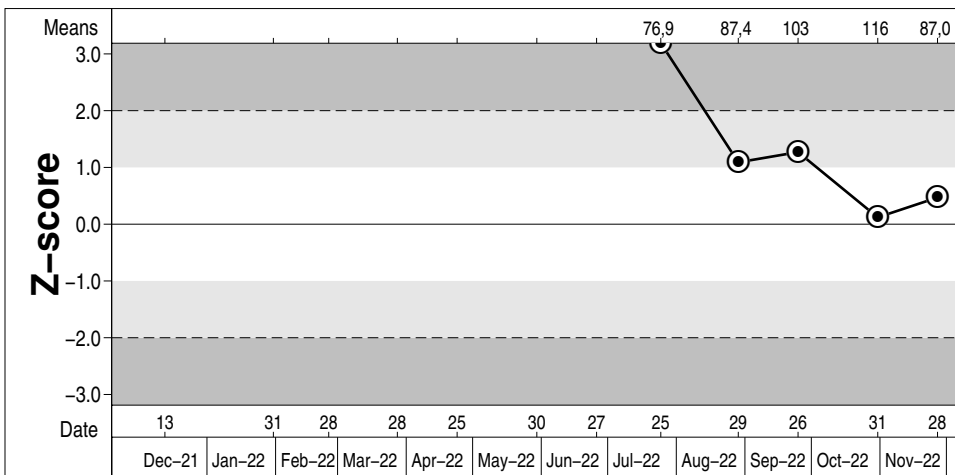
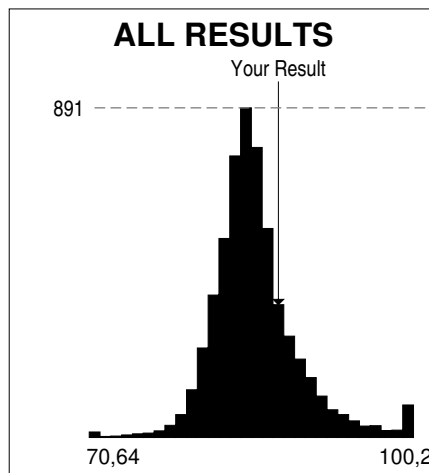
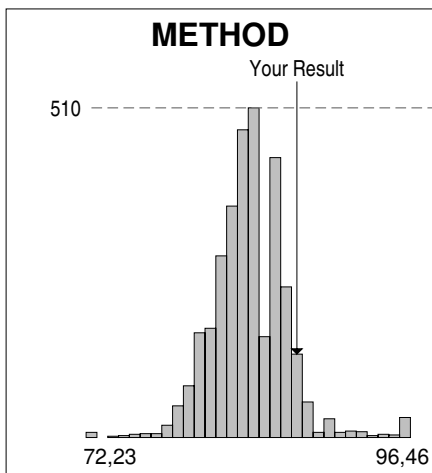
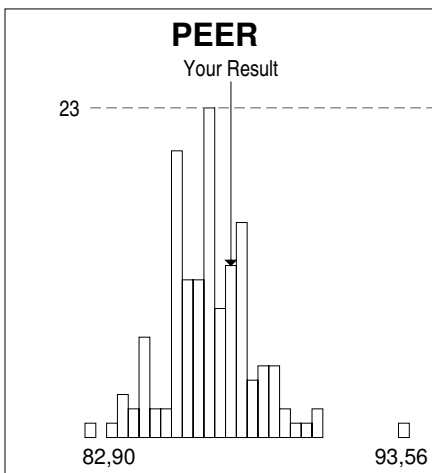
87,6 mmol/L

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	5950	85,4	2,96	3,46	0,096	0,73	1,15	2,54
Your Method	3247	84,3	2,42	2,87	0,106	1,34	1,95	3,86
Your Peer	140	87,0	1,32	1,51	0,278	0,47	1,23	0,707



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 ISE indirect Dedicated Reagent	964	82,1	1,92	0,127
Beckman Coulter AU Series ISE indirect Dedicated Reagent	756	84,7	1,34	0,103
VITROS Microslide Series ISE direct VITROS Dry Slides Reagent Group	491	85,5	1,80	0,173
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Dedicated Reagent	421	86,1	1,60	0,168
Medica EasyLyte Series/Expand ISE direct Dedicated Reagent	406	88,3	4,02	0,440
Roche AVL 9100 Series ISE direct Dedicated Reagent	206	84,6	1,63	0,241
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Abbott Alinity c ICT Diluent, REF 07P53	193	86,4	1,40	0,217
Siemens Dimension Xpand/EXL Series ISE indirect Dedicated Reagent	175	84,1	1,72	0,273
Siemens Atellica CH Analyzer ISE indirect Siemens Atellica CH A-LYTE IMT Na K Cl, REF 1...	140	87,0	1,51	0,278

Chloride 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Cholesterol, HDL Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Siemens Atellica CH Analyzer

Your Result

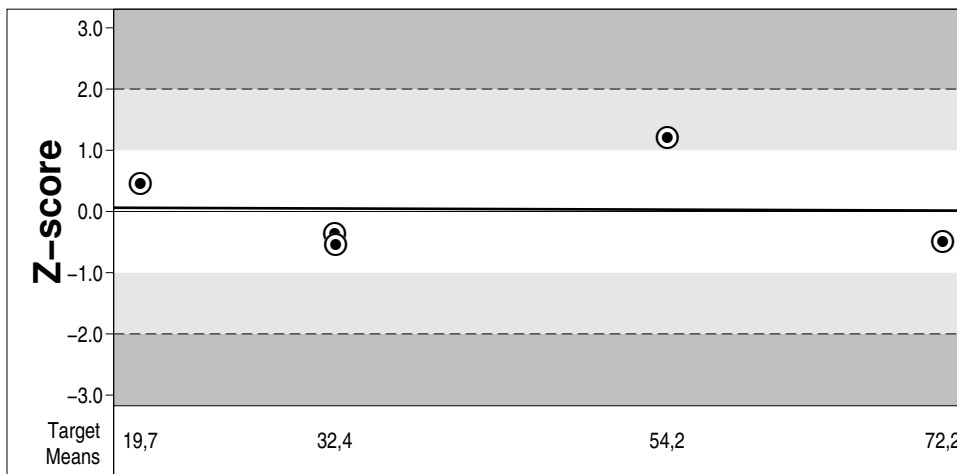
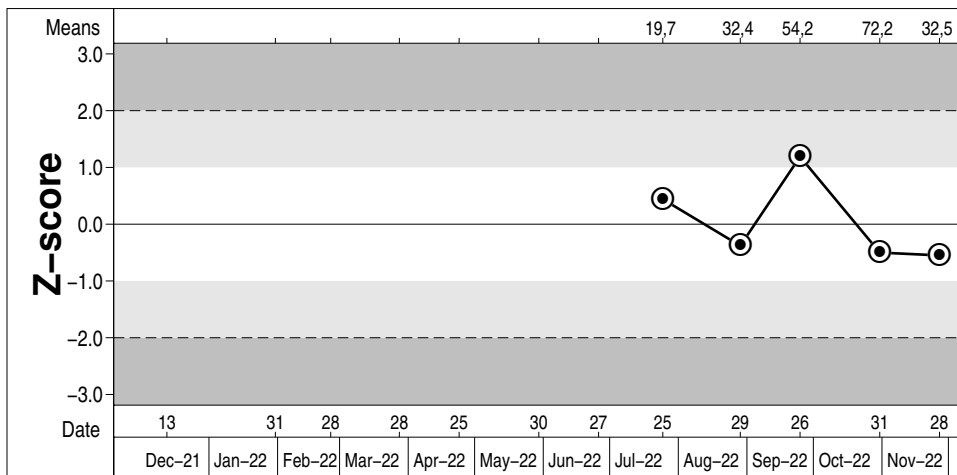
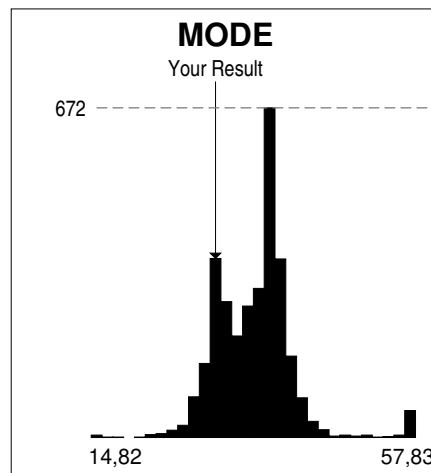
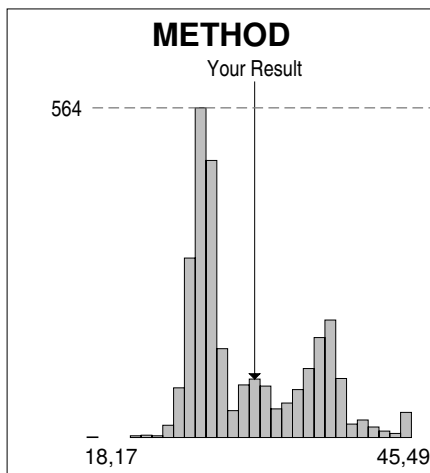
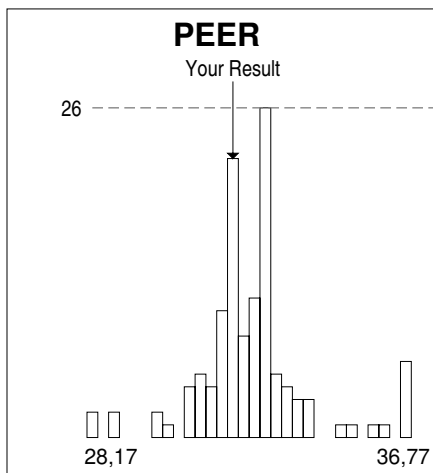
32 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	3128	36,3	4,30	11,8	0,192	-1,01	-0,64	-11,9
Your Method	2851	30,1	3,07	10,2	0,144	0,61	1,18	6,17
Your Peer	122	32,5	0,859	2,65	0,194	-0,55	0,04	-1,45

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Direct measure, polymer-polyanion Roche HDLC4	917	28,1	3,32	0,077
Beckman Coulter AU Series Direct measure, immunoinhibition Beckman Coulter AU HDL, OSR6X87	660	39,4	4,18	0,160
Roche cobas Integra / c 111 Direct measure, polymer-polyanion Roche HDLC4	402	28,1	4,55	0,159
VITROS Microslide Series Direct measure, PTA/MgCl2-VITROS VITROS Dry Slides Reagent Group	365	31,5	5,44	0,224
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure, polymer-polyanion Dedicated Reagent	329	38,1	3,61	0,189
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure, polymer-polyanion Abbott Alinity c Ultra HDL, REF 07P75	201	39,0	3,37	0,232
Roche cobas 8000 Direct measure, polymer-polyanion Roche HDLC4	194	27,4	2,92	0,144
Siemens Dimension Series Direct measure-PEG Dedicated Reagent	155	33,1	5,39	0,359
Siemens Atellica CH Analyzer Direct measure, polymer-polyanion Siemens Atellica CH D-HDL, REF 11097630	122	32,5	2,65	0,194

Cholesterol, HDL 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Cholesterol, LDL Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Siemens Atellica CH Analyzer

Your Result

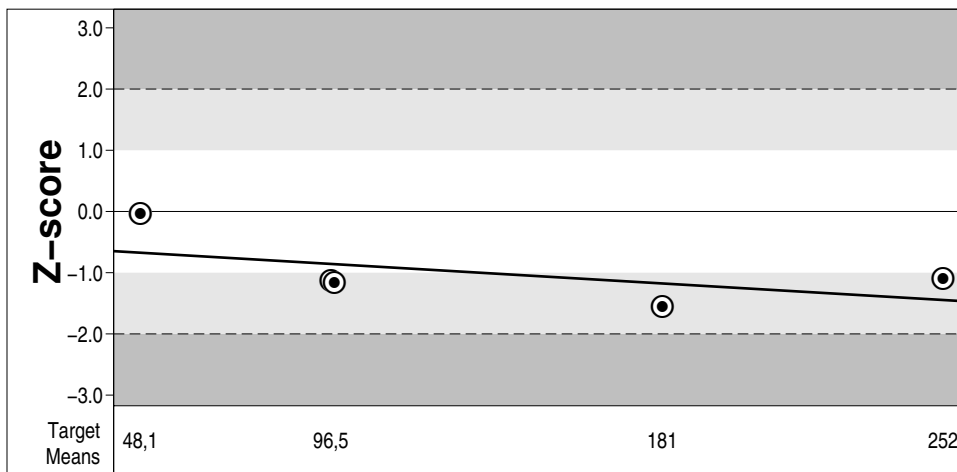
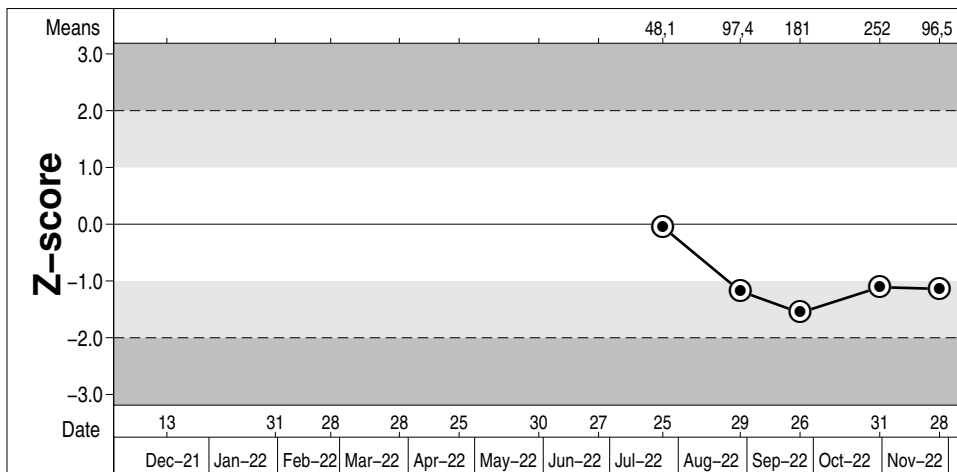
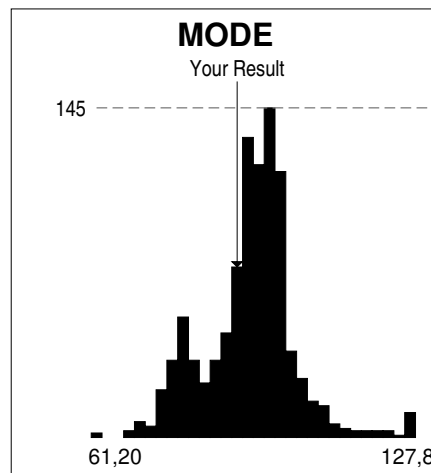
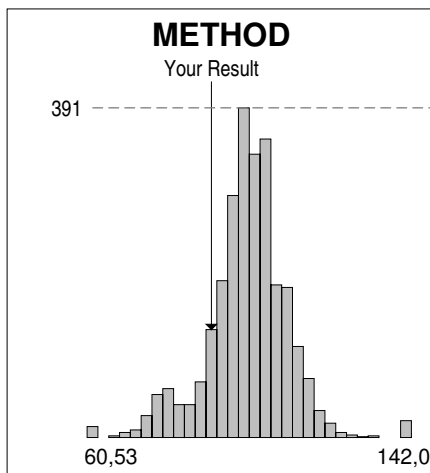
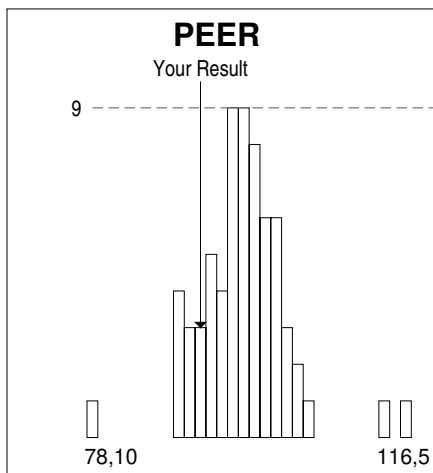
92 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	981	94,5	6,66	7,04	0,531	-0,37	0,06	-2,63
Your Method	2610	101	8,15	8,05	0,399	-1,14	-0,60	-9,15
Your Peer	66	96,5	3,99	4,14	1,23	-1,14	-1,01	-4,70

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Direct measure Roche Gen.3 LDLc3	610	102	3,02	0,312
Beckman Coulter AU Series Direct measure Beckman Coulter AU LDL, OSR6X83	334	112	3,45	0,528
Roche cobas Integra / c 111 Direct measure Roche Gen.3 LDLc3	228	105	4,09	0,708
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure Dedicated Reagent	179	95,5	3,59	0,640
Siemens Dimension Series Direct measure Dedicated Reagent	173	94,5	4,69	0,842
Abbott ARCHITECT/Alinity (c, i, ci ... Direct measure Abbott Alinity c Direct LDL, REF 07P71	124	98,7	2,91	0,645
VITROS Microtip Series Direct measure Dedicated Reagent	119	79,3	4,46	0,810
Roche cobas 6000/8000/c 311 Calculated Dedicated Reagent	111	112	5,79	1,54
Beckman Coulter AU Series Calculated Dedicated Reagent	99	112	5,50	1,55

Cholesterol, LDL 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Cholesterol, Total Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

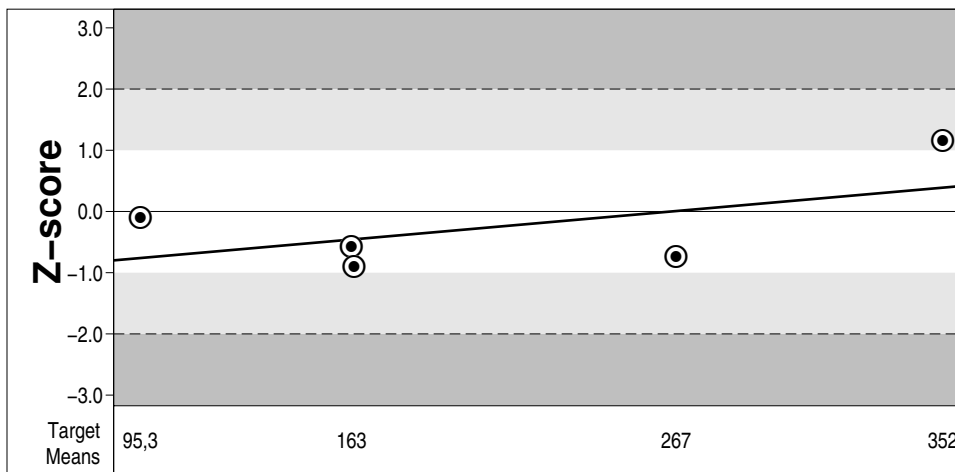
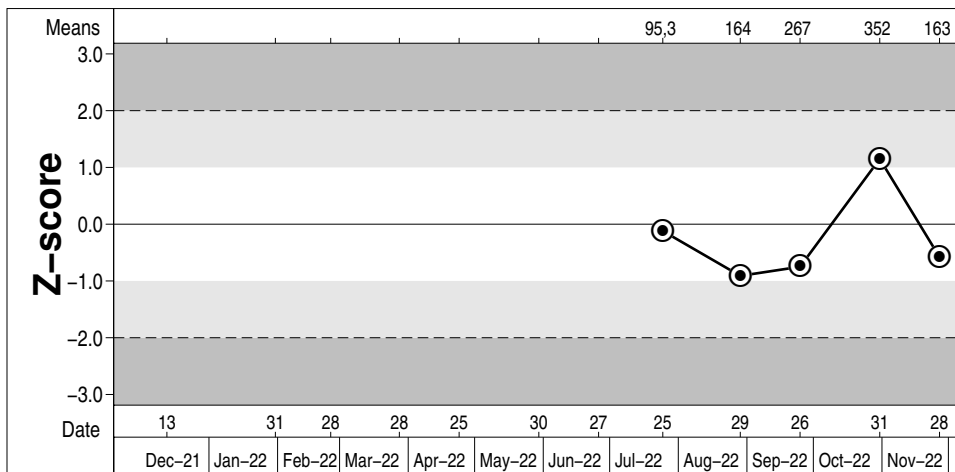
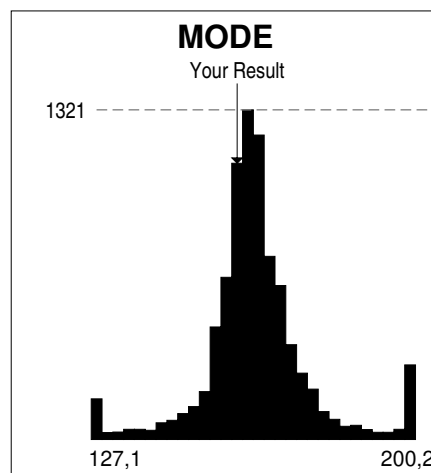
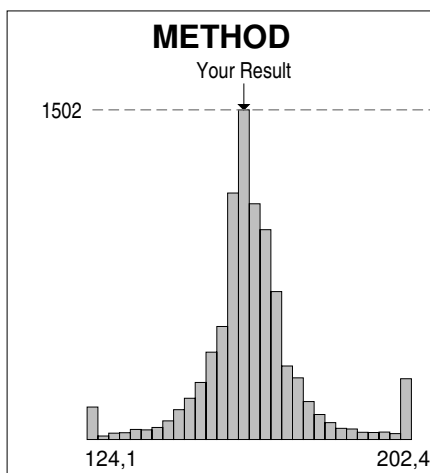
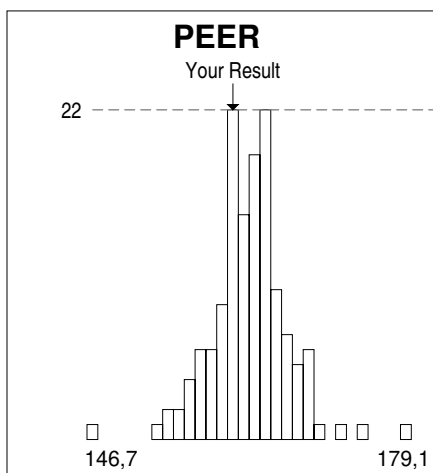
161 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	8601	164	7,31	4,47	0,197	-0,36	-0,17	-1,61
Your Method	8762	163	7,83	4,80	0,209	-0,28	-0,10	-1,36
Your Peer	141	163	3,24	1,99	0,681	-0,58	-0,24	-1,15



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	1251	162	2,43	0,278
Beckman Coulter AU Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	785	168	3,90	0,586
VITROS Microslide Series Cholesterol oxidase, esterase, peroxidase VITROS Dry Slides Reagent Group	571	163	2,94	0,501
Roche cobas Integra / c 111 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	564	161	2,63	0,445
Abbott ARCHITECT (c, i, ci models) Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	465	163	2,15	0,408
Siemens Dimension Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	357	151	3,44	0,687
Mindray BS Series Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	295	164	3,67	0,876
BioSystems A15/A25 Cholesterol oxidase, esterase, peroxidase Dedicated Reagent	160	164	6,02	1,95
Siemens Atellica CH Analyzer Cholesterol oxidase, esterase, peroxidase Siemens Atellica CH Chol_2, REF 11097609	141	163	1,99	0,681

Cholesterol, Total 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Creatine Kinase Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

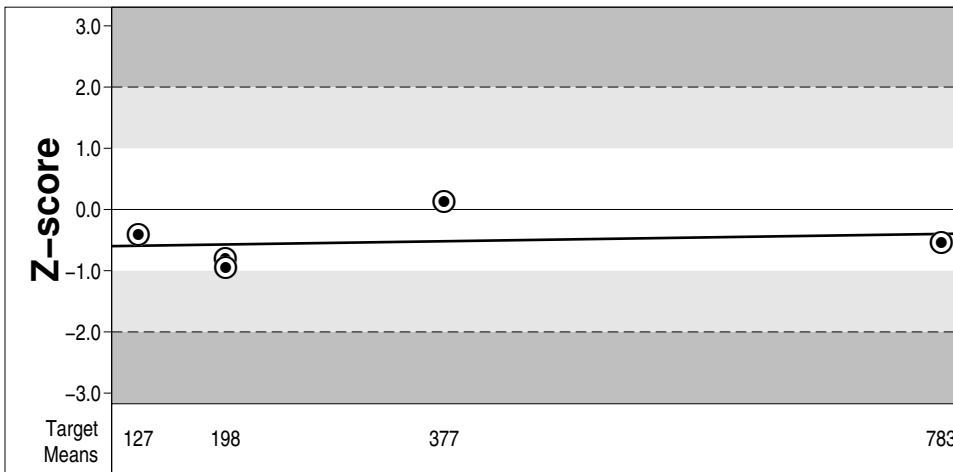
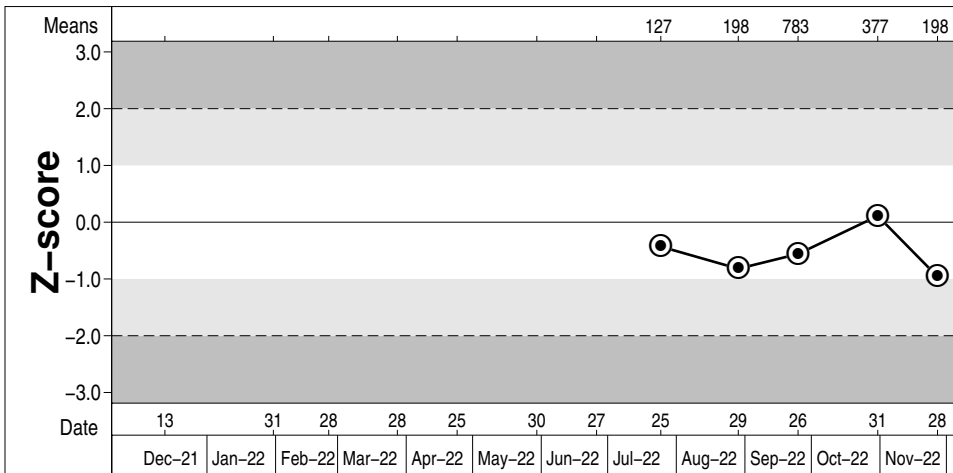
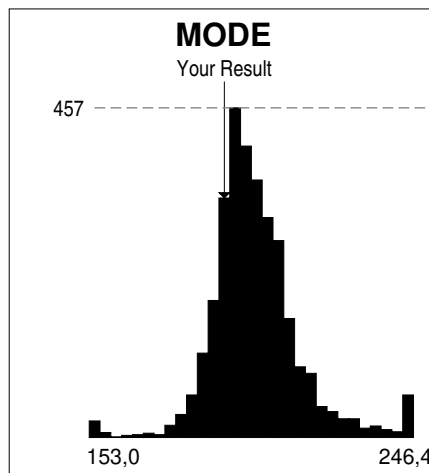
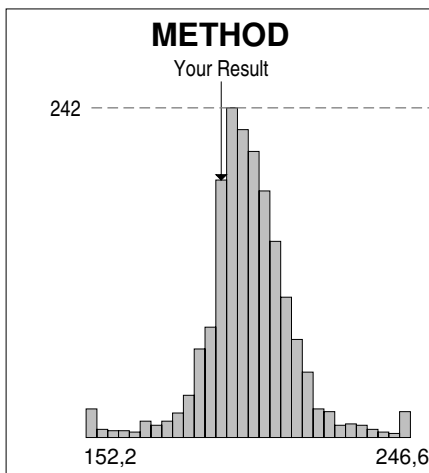
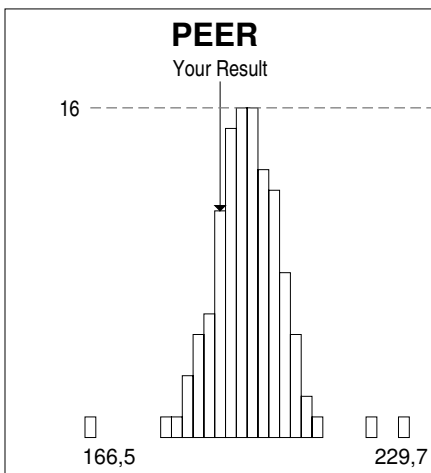
192 U/L

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	3181	200	9,34	4,68	0,414	-0,82	-0,44	-3,85
Your Method	1803	199	9,44	4,73	0,556	-0,78	-0,42	-3,71
Your Peer	118	198	6,32	3,19	1,46	-0,96	-0,53	-3,07



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 NAC activated Dedicated Reagent	381	196	2,43	0,609
Roche cobas 6000/c 311 NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	335	195	2,65	0,707
Beckman Coulter AU Series NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	298	210	3,75	1,14
Abbott ARCHITECT/Alinity (c, i, ci ... NAC activated Dedicated Reagent	281	199	3,98	1,18
VITROS Microslide Series Rosalki, Other Modified-VITROS VITROS Dry Slides Reagent Group	273	170	5,84	1,51
Beckman Coulter AU Series NAC activated Dedicated Reagent	203	208	3,56	1,30
Siemens Dimension Series NAC Activated – IFCC Ref. Proc., Calibrated Dedicated Reagent	155	194	3,73	1,45
Abbott ARCHITECT/Alinity (c, i, ci ... NAC activated Abbott Alinity c CK, REF 08P42	147	205	2,57	1,09
Siemens Atellica CH Analyzer NAC activated Siemens Atellica CH CK_L, REF 11097640	118	198	3,19	1,46

Creatine Kinase 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Creatinine Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

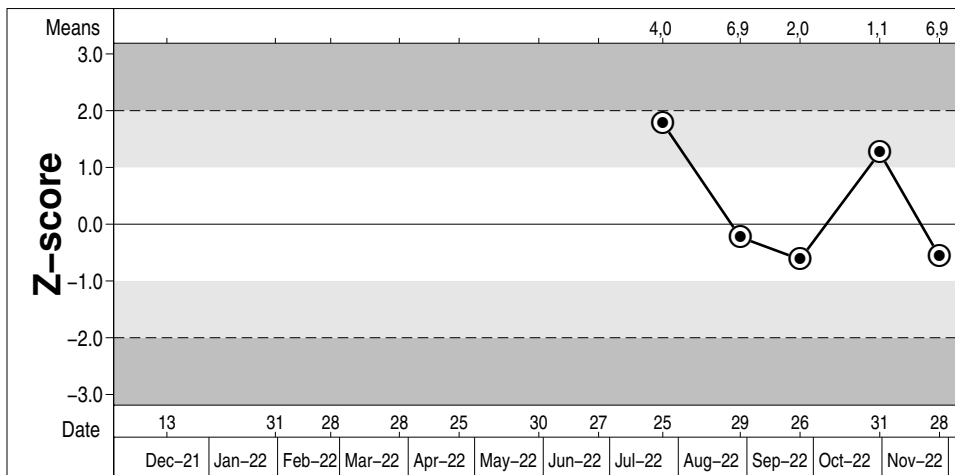
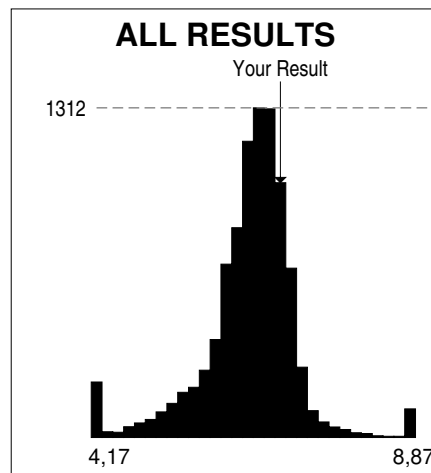
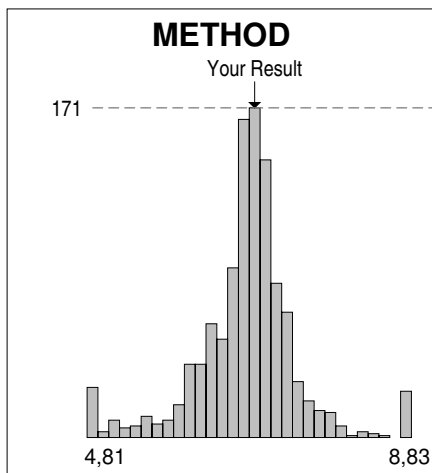
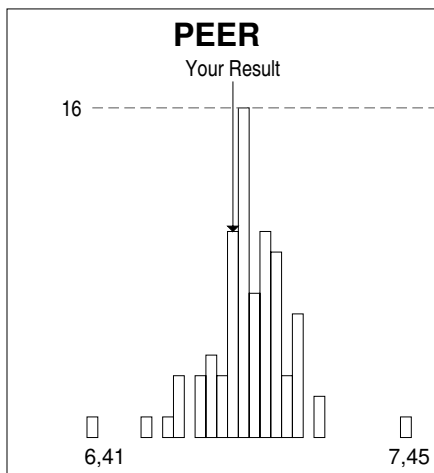
Your Result
6,87 mg/dL

- ◆ All Results
- Your Method
- Your Peer

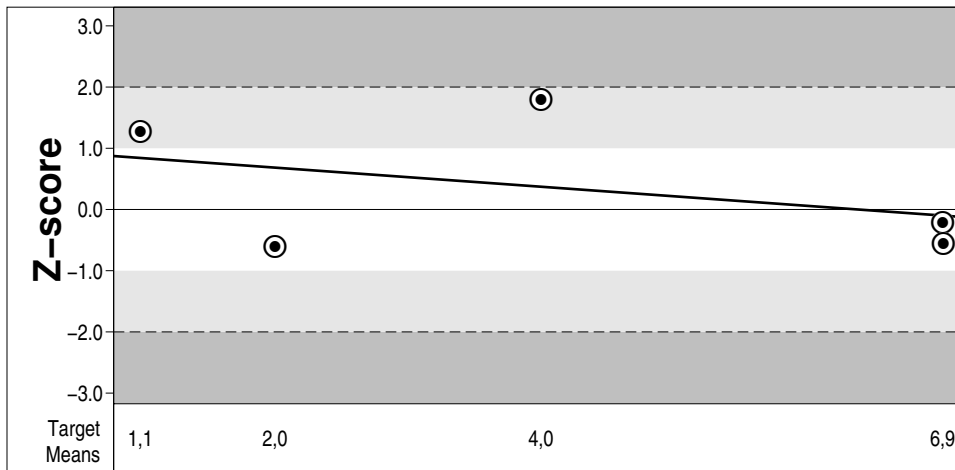
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	9415	6,52	0,470	7,21	0,012	0,75	0,86	5,38
Your Method	1105	6,82	0,402	5,90	0,030	0,13	0,46	0,779
Your Peer	80	6,93	0,104	1,51	0,029	-0,57	0,32	-0,855

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	789	6,52	2,95	0,017
VITROS Microslide Series Enzymatic-VITROS, IFCC-IDMS Standardized VITROS Dry Slides Reagent Group	594	6,55	2,93	0,020
Beckman Coulter AU Series Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	456	6,53	3,34	0,026
Roche cobas Integra / c 111 Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	383	6,38	4,08	0,033
Abbott ARCHITECT/Alinity (c, i, ci ... Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	379	6,81	2,39	0,021
Siemens Dimension Series Alkaline picrate method, IFCC-IDMS Standardized Dedicated Reagent	339	6,70	2,99	0,027
Roche cobas 6000/c 311 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	324	6,92	2,33	0,022
Beckman Coulter AU Series Alkaline picrate method Dedicated Reagent	312	6,41	3,84	0,035
Roche cobas Integra / c 111 Enzymatic IFCC-IDMS Standardized Dedicated Reagent	227	6,82	3,37	0,038



Creatinine 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

eGFR Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

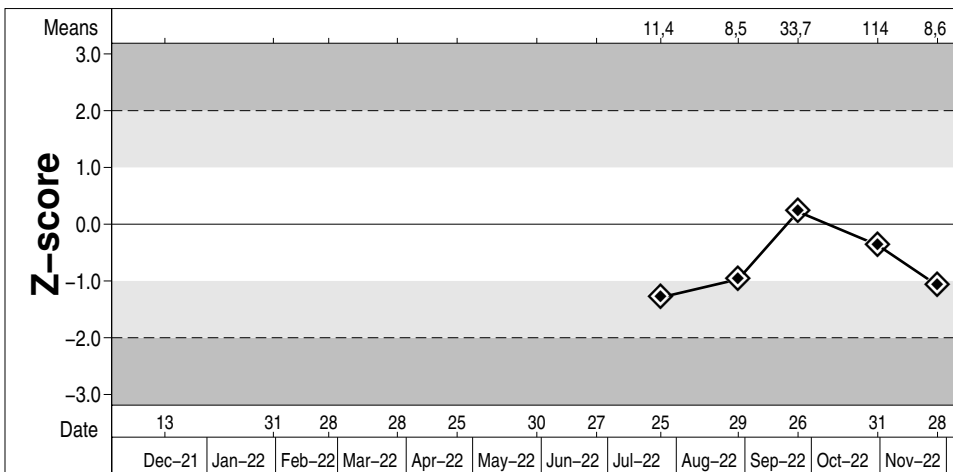
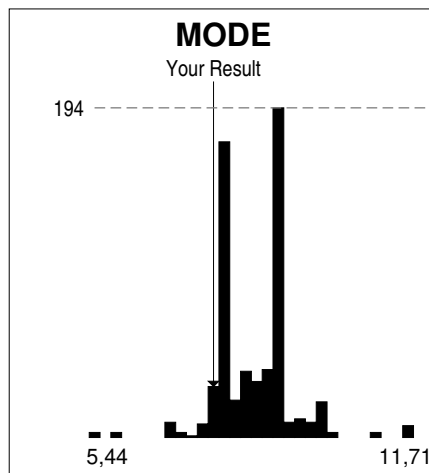
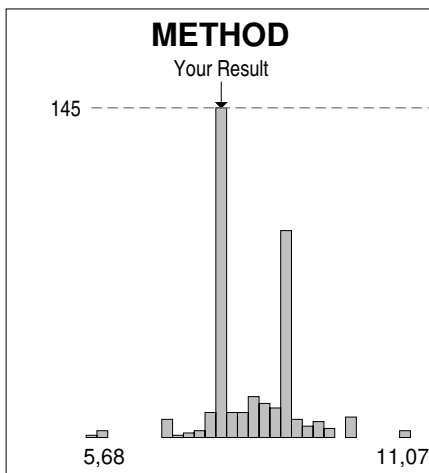
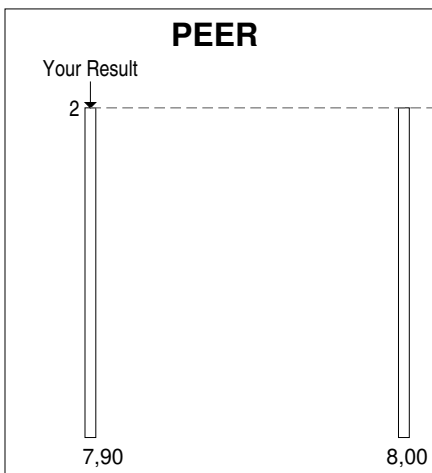
Your Result

7,9 mL/min/1.73m2

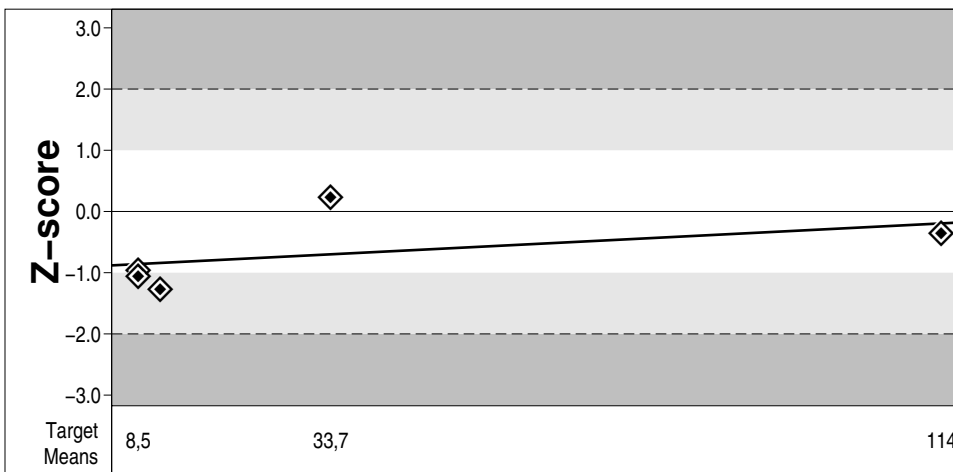
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	622	8,58	0,627	7,31	0,063	-1,08	-0,70	-7,88
■ Your Method	369	8,37	0,539	6,43	0,070	-0,88	-0,63	-5,66
● Your Peer	4	7,95	0,065	0,824	0,082	-0,76	-0,63	-0,629



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Calculated – CKD–EPI (Creatinine) Roche CREJ2/SCRE2	64	8,78	5,84	0,160
Roche cobas 6000/8000/c 311 Calculated – CKD–EPI (Creatinine) Roche CREP2	52	7,88	4,15	0,057
Roche cobas 6000/8000/c 311 Calculated – MDRD (Simplified) Roche CREJ2/SCRE2	43	8,99	1,95	0,067
VITROS Microslide Series Calculated – MDRD (Simplified) VITROS Dry Slides Reagent Group	39	8,81	3,40	0,120
Beckman Coulter AU Series Calculated – CKD–EPI (Creatinine) Beckman Coulter AU OSR6X78	37	8,61	16,3	0,288
Abbott ARCHITECT/Alinity (c, i, ci ... Calculated – CKD–EPI (Creatinine) Dedicated Reagent	34	8,09	4,06	0,071
Beckman Coulter AU Series Calculated – MDRD (Simplified) Beckman Coulter AU OSR6X78	30	8,99	4,11	0,169
VITROS Microslide Series Calculated – CKD–EPI (Creatinine) VITROS Dry Slides Reagent Group	28	8,83	4,67	0,195
Siemens Dimension Series Calculated – CKD–EPI (Creatinine) Dedicated Reagent	23	8,50	6,40	0,284



eGFR 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

G-Glutamyltransferase Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

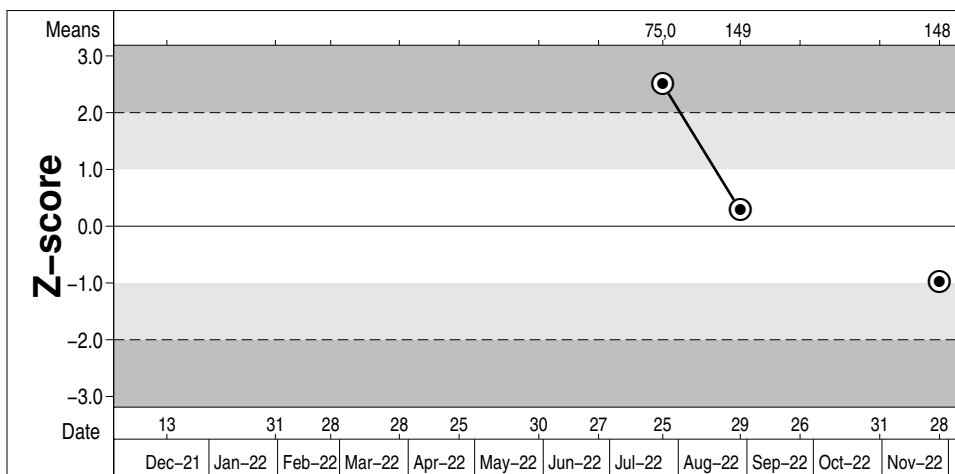
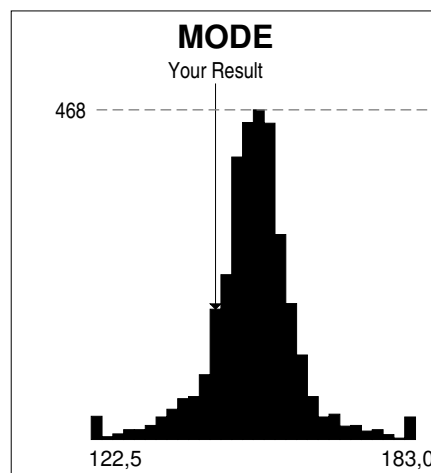
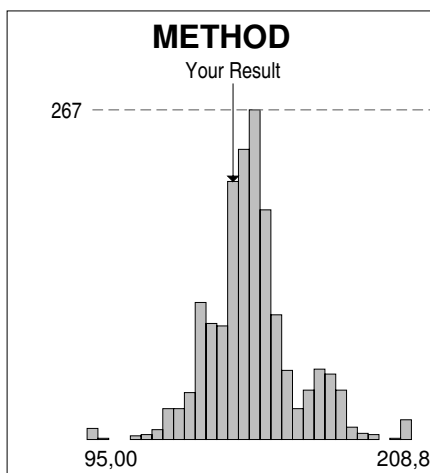
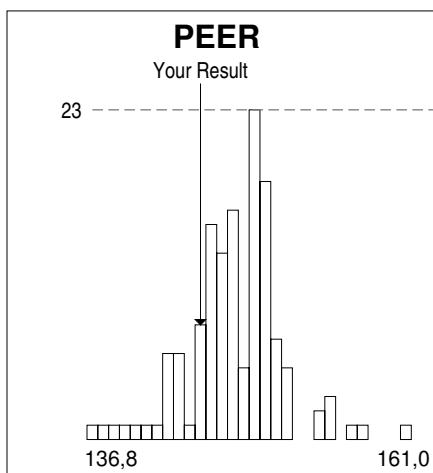
145 U/L

- ◆ Your Mode
- Your Method
- Your Peer

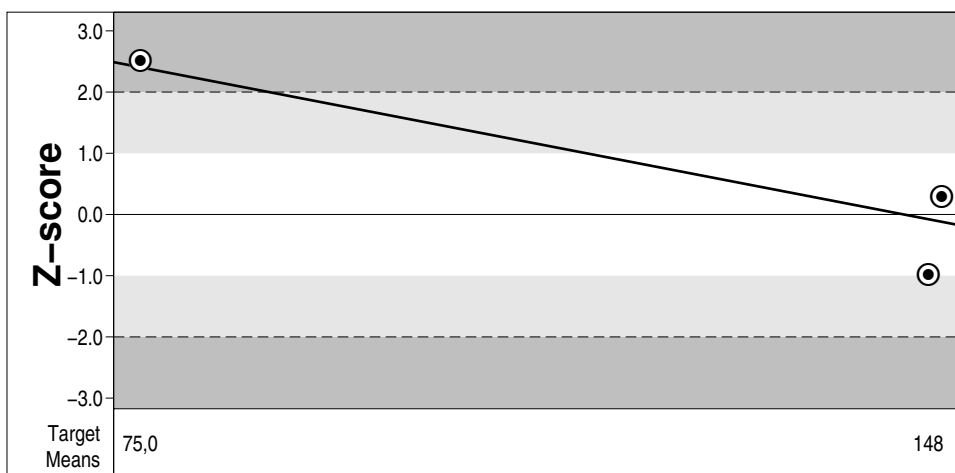
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ Your Mode	3408	153	6,05	3,96	0,259	-1,28	-1,28	-5,06
■ Your Method	1728	152	11,4	7,49	0,684	-0,61	-0,61	-4,54
● Your Peer	138	148	2,90	1,96	0,617	-0,99	-0,99	-1,95



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 G-glutamyl-carboxy-nitroanilide - IFCC Ref. P... IFCC Roche GGT	844	153	2,66	0,350
VITROS Microslide Series G-glutamyl-p-nitroanilide-VITROS VITROS Dry Slides Reagent Group	402	225	2,70	0,756
Beckman Coulter AU Series G-glutamyl-carboxy-nitroanilide - IFCC Ref. P... Dedicated Reagent	373	152	2,77	0,545
Abbott ARCHITECT/Alinity (c, i, ci ... G-glutamyl-carboxy-nitroanilide Dedicated Reagent	331	155	4,84	1,03
Roche cobas Integra / c 111 G-glutamyl-carboxy-nitroanilide - IFCC Ref. P... IFCC Roche GGT	270	156	2,93	0,693
Beckman Coulter AU Series G-glutamyl-carboxy-nitroanilide Dedicated Reagent	198	151	3,01	0,811
Siemens Dimension Series G-glutamyl-carboxy-nitroanilide Dedicated Reagent	194	179	3,24	1,04
Roche cobas 6000/8000/c 311 G-glutamyl-carboxy-nitroanilide Szasz Roche GGT	151	135	2,52	0,693
Siemens Atellica CH Analyzer G-glutamyl-carboxy-nitroanilide Siemens Atellica CH GGT, REF 11097597	138	148	1,96	0,617



G-Glutamyltransferase 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Glucose Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



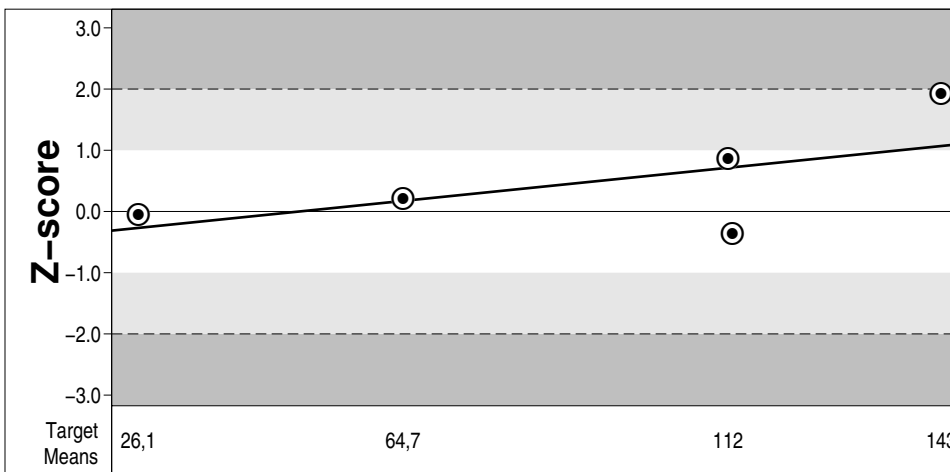
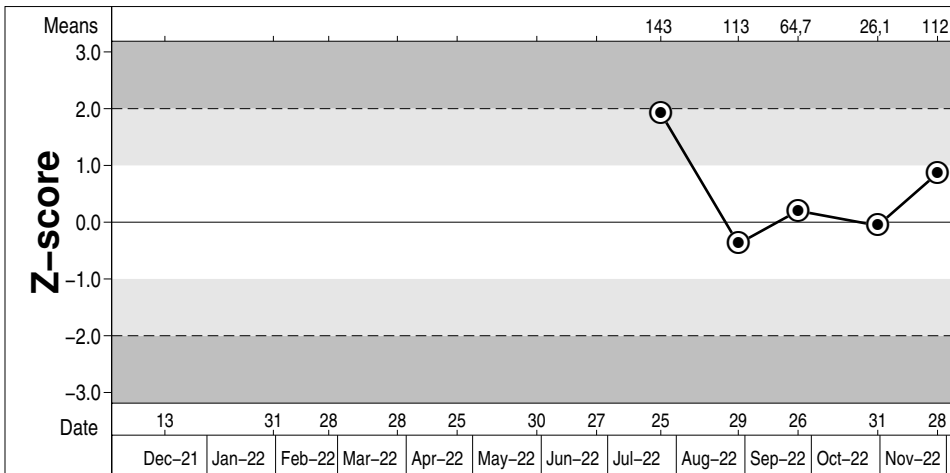
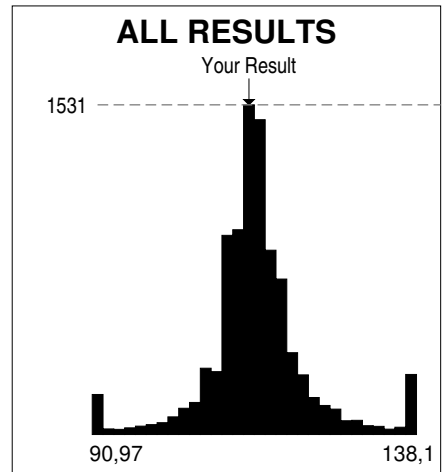
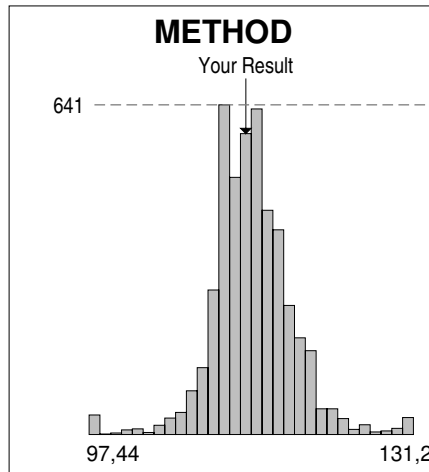
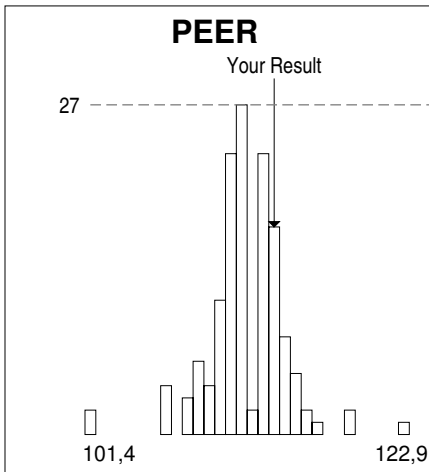
Siemens Atellica CH Analyzer

Your Result
114 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	9436	115	4,72	4,12	0,121	-0,12	-0,33	-0,486
■ Your Method	4667	114	3,38	2,96	0,124	-0,10	-0,27	-0,298
● Your Peer	141	112	2,16	1,92	0,454	0,86	0,51	1,65



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Hexokinase Dedicated Reagent	1306	114	2,18	0,172
Beckman Coulter AU Series Hexokinase Dedicated Reagent	956	115	2,65	0,246
VITROS Microslide Series Glucose oxidase, hydrogen peroxide (Trinder) VITROS Dry Slides Reagent Group	621	113	2,42	0,275
Roche cobas Integra / c 111 Hexokinase Dedicated Reagent	590	117	2,60	0,313
Abbott ARCHITECT/Alinity (c, i, ci ... Hexokinase Dedicated Reagent	516	112	2,10	0,259
Siemens Dimension Series Hexokinase Dedicated Reagent	403	118	2,81	0,412
Mindray BS Series Glucose oxidase, hydrogen peroxide (Trinder) Mindray Glu (GOD) REF GLU010X/110X	242	115	3,96	0,731
Abbott ARCHITECT/Alinity (c, i, ci ... Hexokinase Abbott Alinity c Glucose, REF 07P55	211	112	1,73	0,333
BioSystems A15/A25 Glucose oxidase, hydrogen peroxide (Trinder) Dedicated Reagent	153	113	5,28	1,21

Glucose 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Iron Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

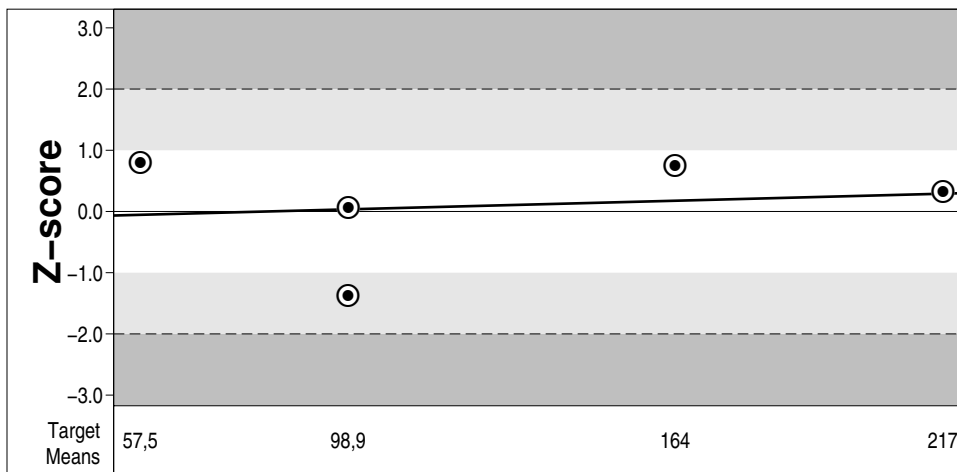
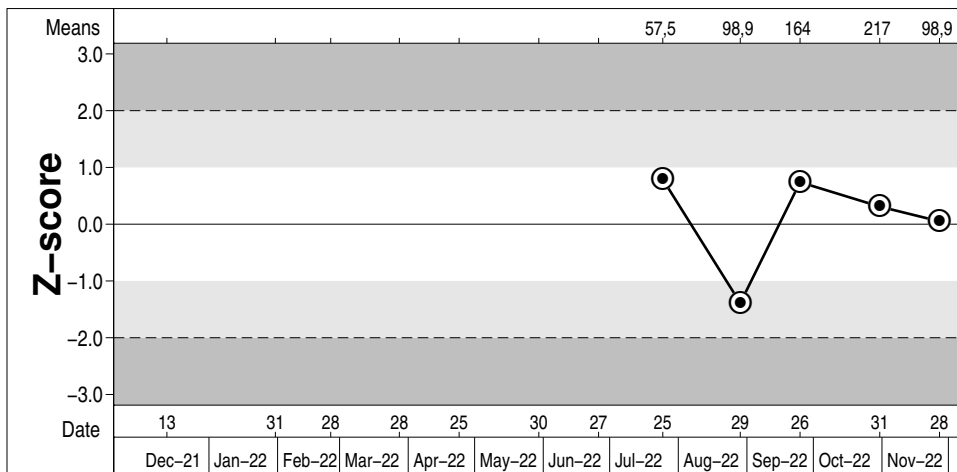
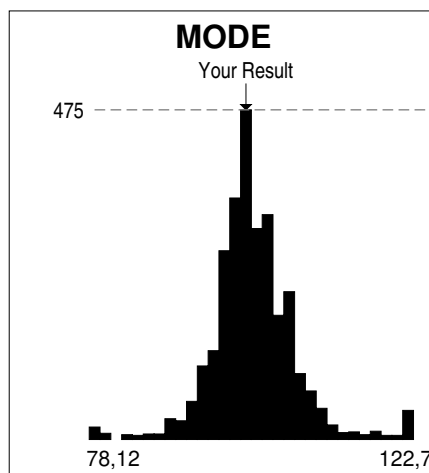
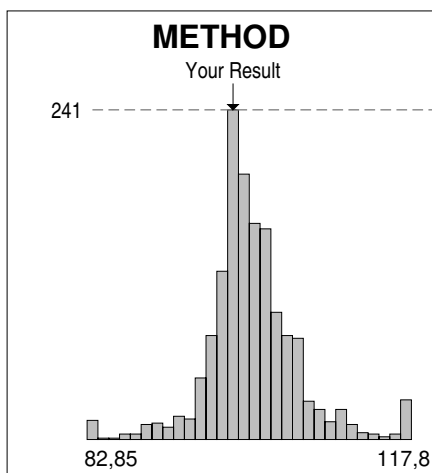
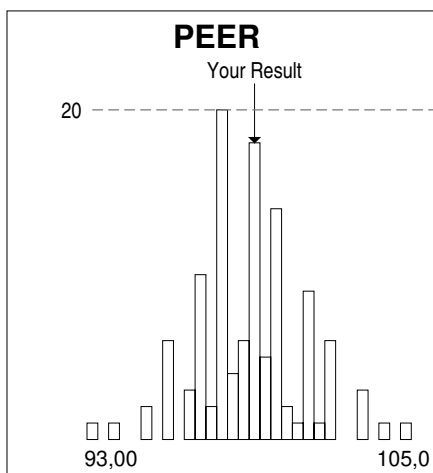
99 µg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	2842	100	4,46	4,44	0,209	-0,32	-0,25	-1,41
Your Method	1462	100	3,50	3,48	0,229	-0,38	-0,32	-1,32
Your Peer	116	98,9	1,67	1,68	0,387	0,05	0,10	0,079



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Ferrozine–no deproteinization Dedicated Reagent	799	101	3,17	0,283
Beckman Coulter AU Series TPTZ–no deproteinization Dedicated Reagent	512	99,0	3,06	0,335
Abbott ARCHITECT/Alinity (c, i, ci ... Ferene Dedicated Reagent	279	105	3,11	0,491
VITROS Microslide Series Pyridyl azo dye VITROS Dry Slides Reagent Group	258	95,5	7,18	1,07
Roche cobas Integra / c 111 Ferrozine–no deproteinization Dedicated Reagent	198	102	4,33	0,786
Siemens Dimension Series Ferene Dedicated Reagent	180	94,9	3,08	0,545
Abbott ARCHITECT/Alinity (c, i, ci ... Ferene Abbott Alinity c Iron, REF 08P39	149	104	2,89	0,614
Siemens Atellica CH Analyzer Ferrozine–no deproteinization Siemens Atellica CH Iron_2, REF 11097601	116	98,9	1,68	0,387
Roche cobas c 303/503 Ferrozine–no deproteinization Roche IRON2, REF 08057931	73	98,7	1,78	0,515

Iron 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Magnesium Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Siemens Atellica CH Analyzer

Your Result

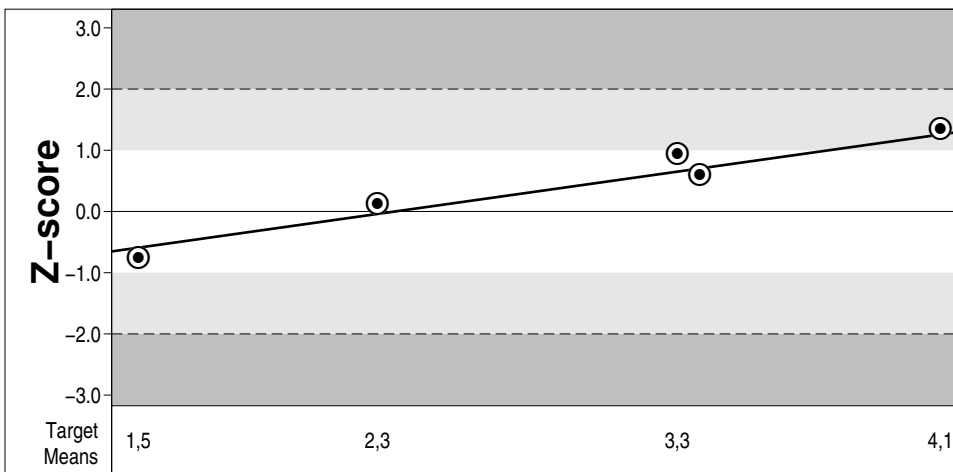
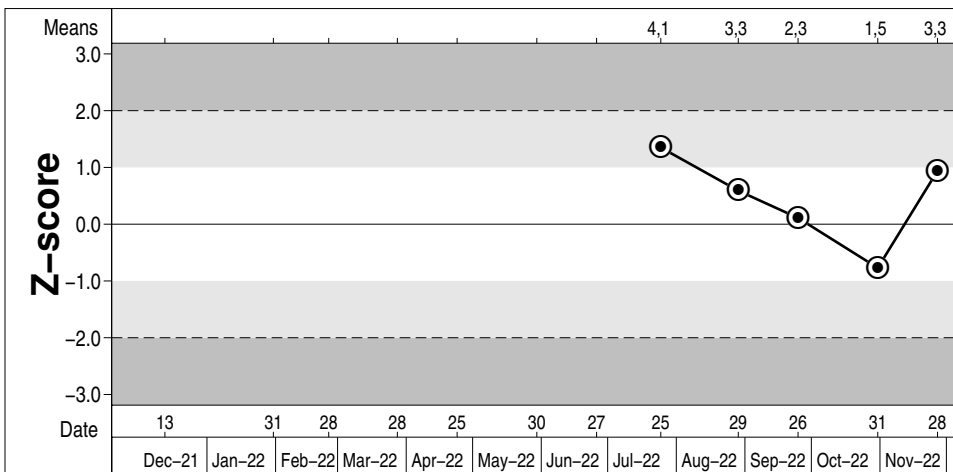
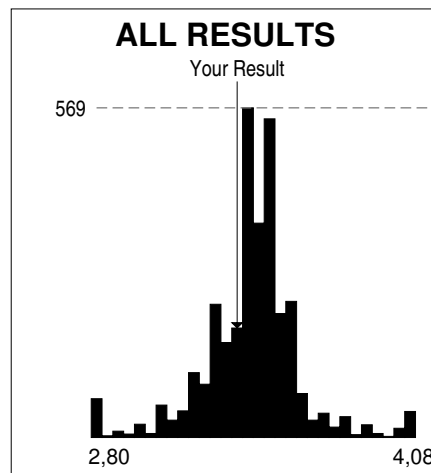
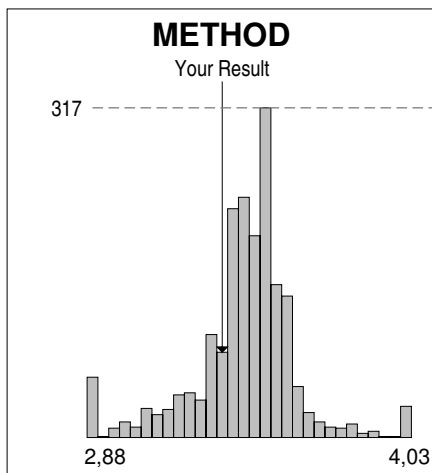
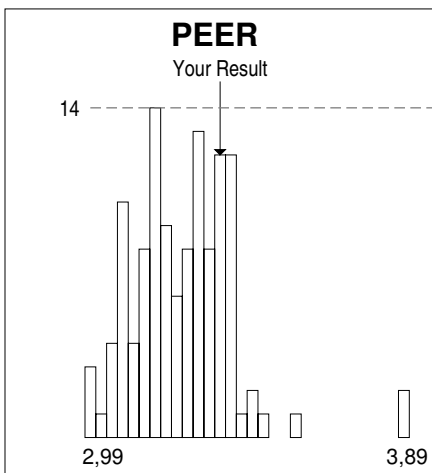
3,37 mg/dL

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	3273	3,44	0,128	3,71	0,006	-0,56	0,49	-2,08
■ Your Method	1878	3,45	0,115	3,32	0,007	-0,72	0,45	-2,39
● Your Peer	119	3,25	0,127	3,91	0,029	0,94	0,44	3,67



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Xylidyl blue Dedicated Reagent	495	3,48	2,10	0,008
Beckman Coulter AU Series Xylidyl blue Dedicated Reagent	484	3,47	2,87	0,011
VITROS Microslide Series Formazan dye VITROS Dry Slides Reagent Group	350	3,34	3,25	0,014
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic Dedicated Reagent	240	3,43	2,77	0,015
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic Abbott Alinity c Magnesium, REF 08P19	155	3,46	3,23	0,022
Siemens Dimension Series Methylthymol blue Dedicated Reagent	153	3,54	3,25	0,023
Roche cobas 8000 Xylidyl blue Dedicated Reagent	152	3,52	2,18	0,016
Roche cobas 6000/c 311 Chlorophosphonazo III Dedicated Reagent	145	3,49	2,29	0,017
Roche cobas Integra / c 111 Chlorophosphonazo III Dedicated Reagent	133	3,40	3,72	0,027

Magnesium 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Potassium Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

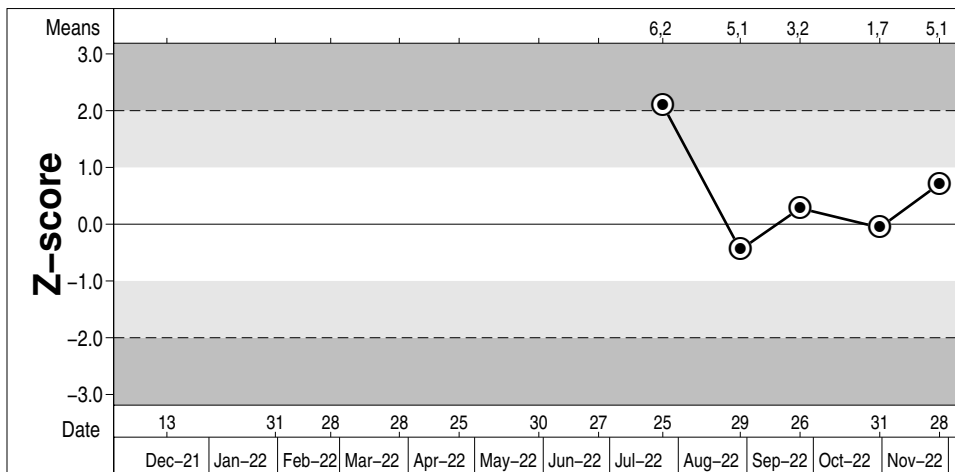
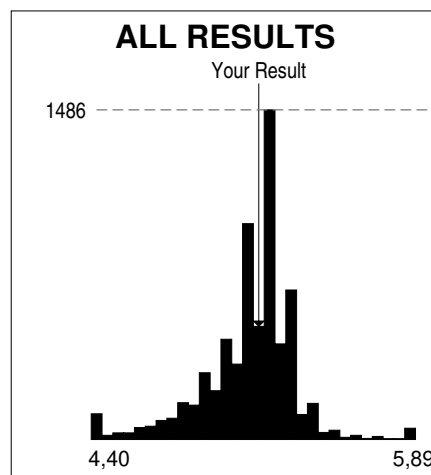
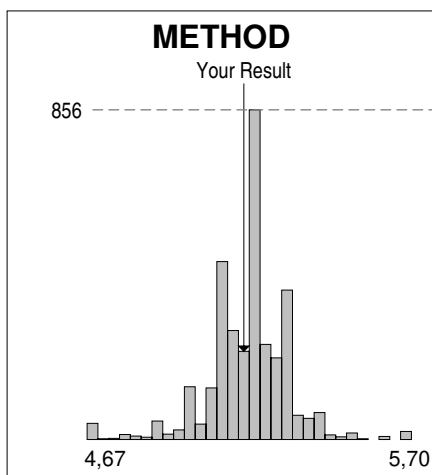
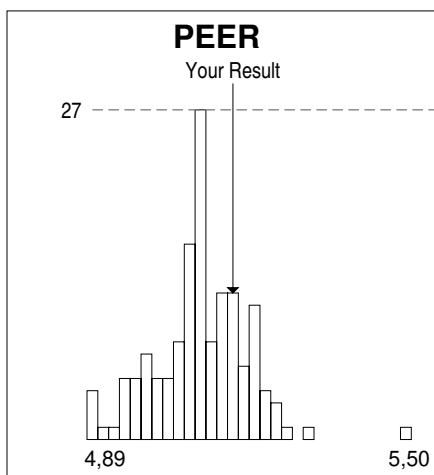
5,16 mmol/L

- ◆ All Results
- Your Method
- Your Peer

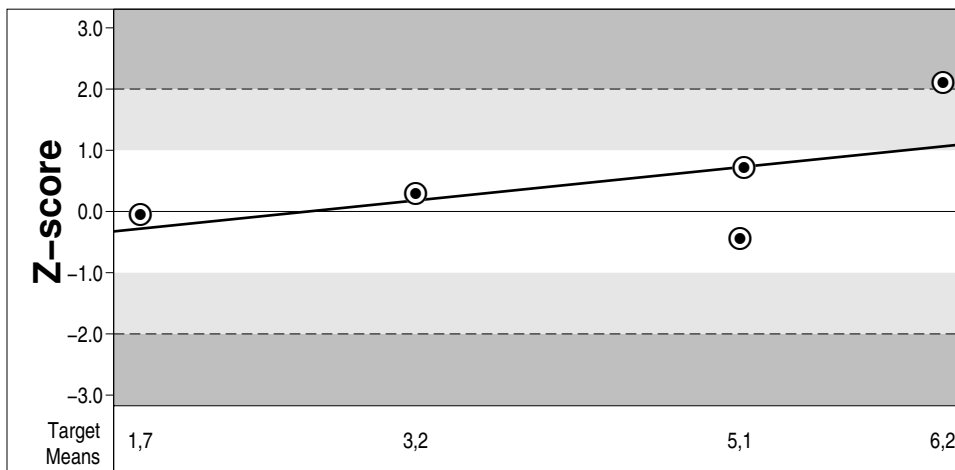
Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	6656	5,14	0,149	2,89	0,005	0,11	-0,26	0,319
■ Your Method	3405	5,19	0,103	1,99	0,004	-0,26	-0,60	-0,518
● Your Peer	143	5,10	0,078	1,53	0,016	0,71	0,52	1,09

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 ISE indirect Dedicated Reagent	1031	5,25	1,46	0,006
Beckman Coulter AU Series ISE indirect Dedicated Reagent	778	5,13	1,42	0,007
VITROS Microslide Series ISE direct VITROS Dry Slides Reagent Group	562	5,24	2,05	0,011
Medica EasyLyte Series/Expand ISE direct Dedicated Reagent	469	4,94	3,67	0,021
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Dedicated Reagent	437	5,19	1,47	0,009
Roche AVL 9100 Series ISE direct Dedicated Reagent	262	5,20	0,167	0,001
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Abbott Alinity c ICT Diluent, REF 07P53	198	5,20	1,30	0,012
Siemens Dimension Xpand/EXL Series ISE indirect Dedicated Reagent	181	5,18	1,52	0,015
SENSA CORE – ST-100/100B/100C/200 ISE direct Dedicated Reagent	152	4,89	4,78	0,047



Potassium 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Protein, Total Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Siemens Atellica CH Analyzer

Your Result

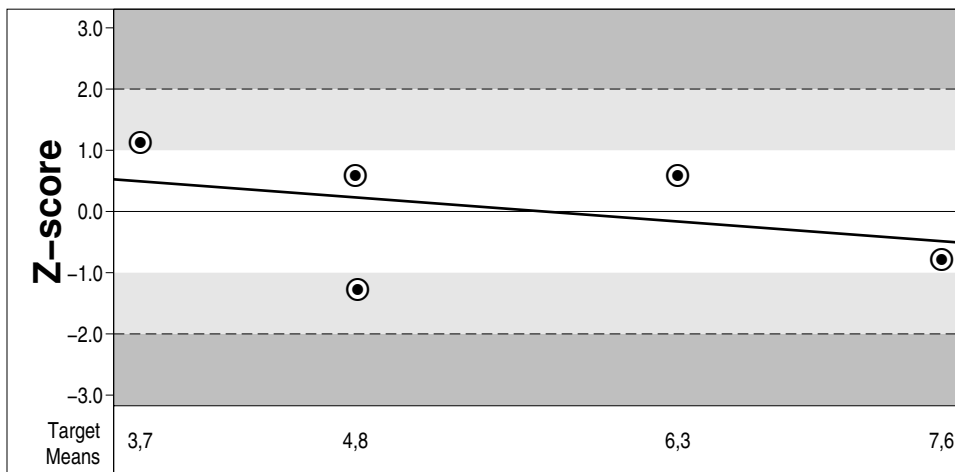
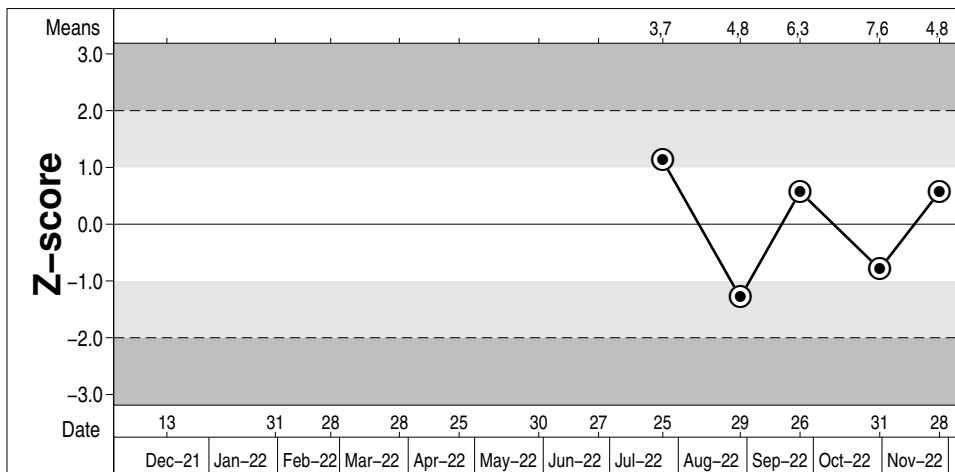
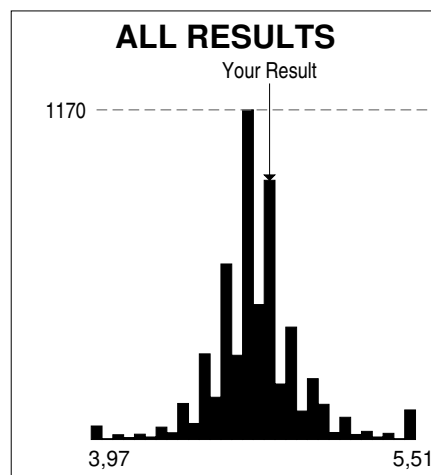
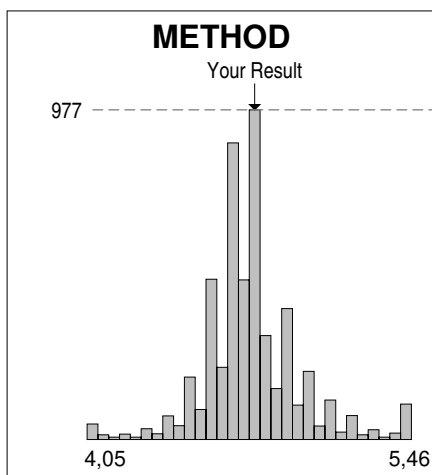
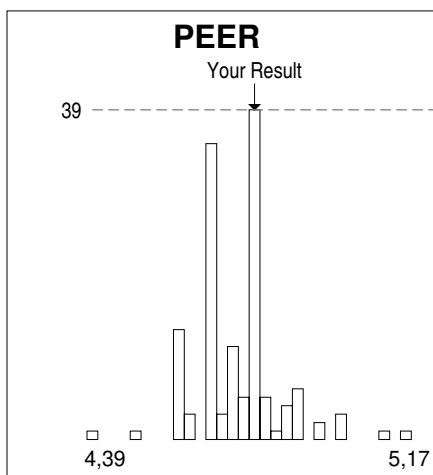
4,8 g/dL

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	5629	4,74	0,155	3,26	0,005	0,38	-0,02	1,24
■ Your Method	5117	4,76	0,141	2,96	0,005	0,31	-0,10	0,913
● Your Peer	134	4,75	0,083	1,74	0,018	0,57	0,04	0,992



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 Biuret method Dedicated Reagent	1201	4,74	2,04	0,007
Beckman Coulter AU Series Biuret method Dedicated Reagent	897	4,72	2,36	0,009
VITROS Microslide Series Biuret, no serum blank, end point-VITROS VITROS Dry Slides Reagent Group	497	4,58	2,95	0,015
Abbott ARCHITECT/Alinity (c, i, ci ... Biuret method Dedicated Reagent	431	4,76	2,09	0,012
Siemens Dimension Series Biuret method Dedicated Reagent	349	4,91	2,86	0,019
Roche cobas Integra / c 111 Biuret method Dedicated Reagent	277	4,59	2,52	0,017
Siemens Atellica CH Analyzer Biuret method Siemens Atellica CH TP, REF 11097604	134	4,75	1,74	0,018
Mindray BS Series Biuret method Dedicated Reagent	122	4,82	3,52	0,038
Abbott ARCHITECT/Alinity (c, i, ci ... Biuret method Abbott Alinity c Total Prot, REF 07P52	121	4,71	2,08	0,022

Protein, Total 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Sodium Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

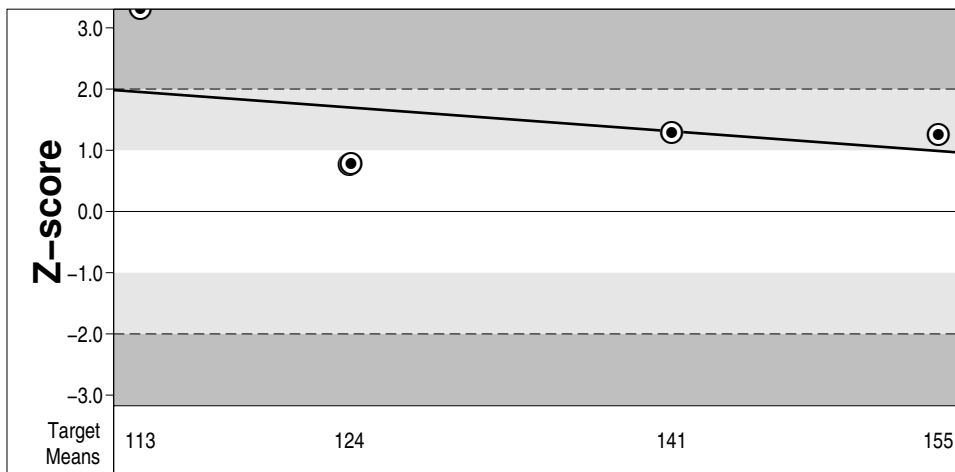
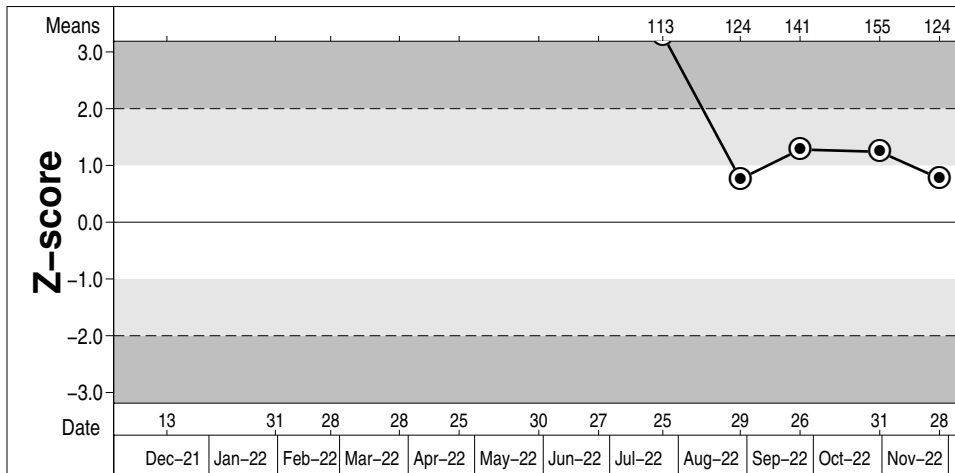
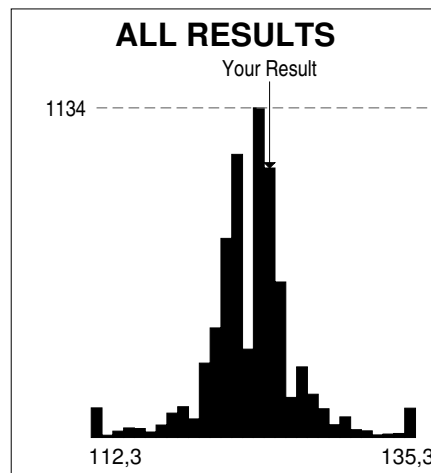
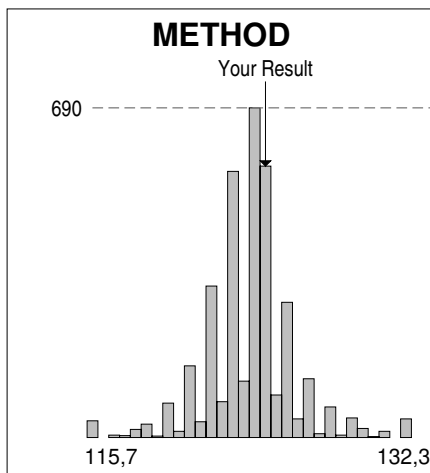
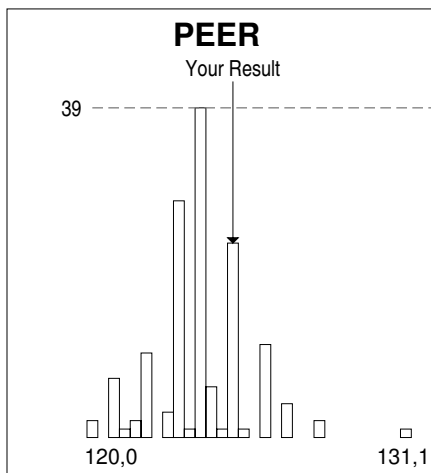
Your Result
125 mmol/L

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	6634	124	2,30	1,86	0,071	0,54	0,73	0,995
Your Method	3410	124	1,66	1,34	0,071	0,61	0,97	0,821
Your Peer	142	124	1,45	1,17	0,304	0,77	1,47	0,895

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/8000/c 311 ISE indirect Dedicated Reagent	1033	124	1,31	0,127
Beckman Coulter AU Series ISE indirect Dedicated Reagent	782	124	1,30	0,144
VITROS Microslide Series ISE direct VITROS Dry Slides Reagent Group	560	124	1,37	0,180
Medica EasyLyte Series/Expand ISE direct Dedicated Reagent	472	123	2,82	0,399
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Dedicated Reagent	436	124	1,30	0,193
Roche AVL 9100 Series ISE direct Dedicated Reagent	267	122	1,23	0,229
Abbott ARCHITECT/Alinity (c, i, ci ... ISE indirect Abbott Alinity c ICT Diluent, REF 07P53	196	125	1,16	0,258
Siemens Dimension Xpand/EXL Series ISE indirect Dedicated Reagent	181	124	1,28	0,295
SENSA CORE – ST-100/100B/100C/200 ISE direct Dedicated Reagent	151	126	2,45	0,629

Sodium 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Triglycerides Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



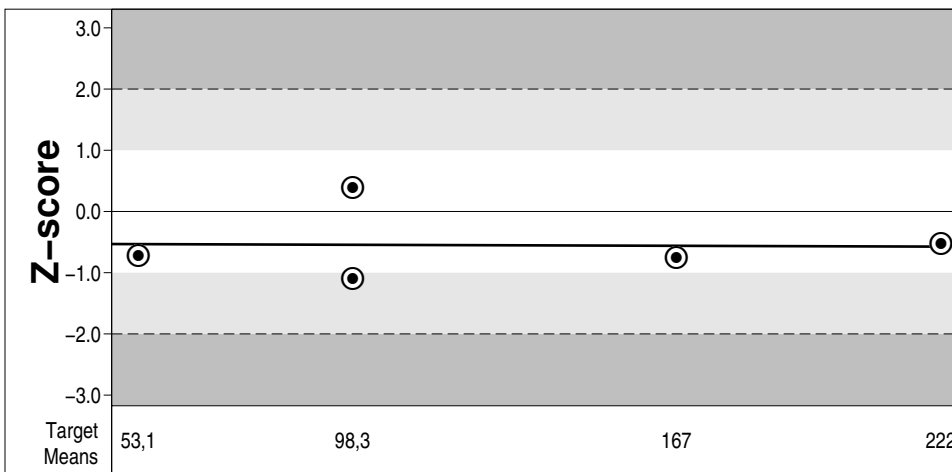
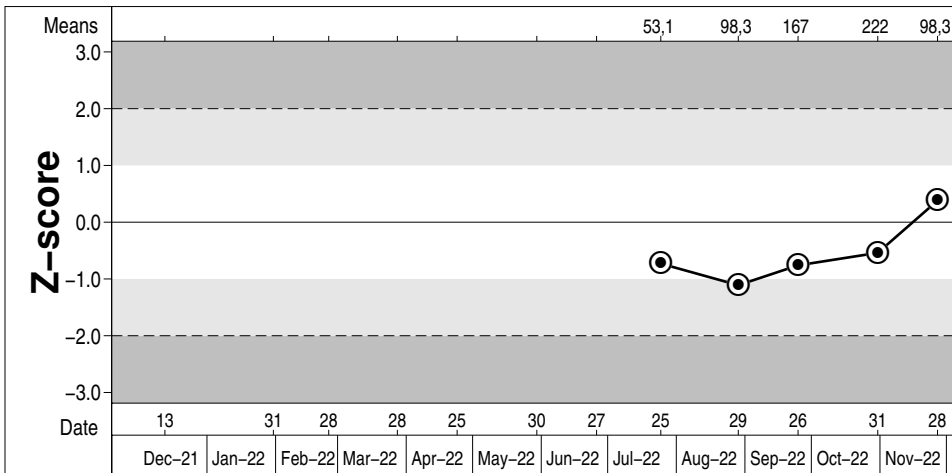
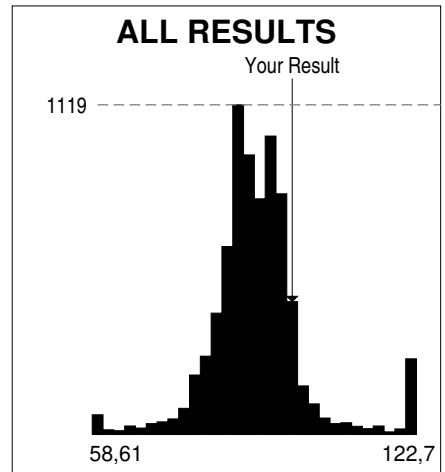
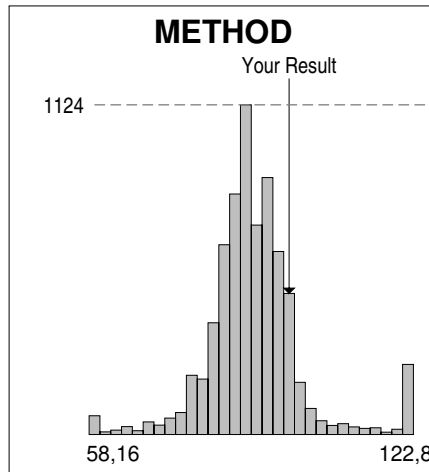
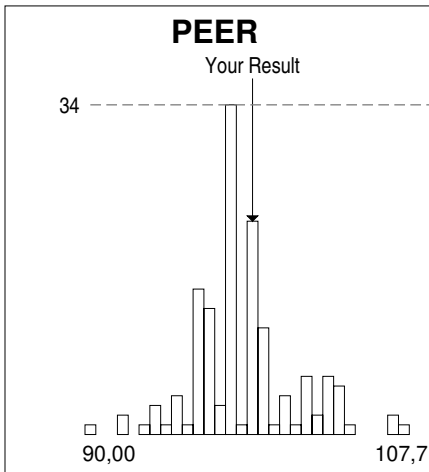
Siemens Atellica CH Analyzer

Your Result
99 mg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	7801	90,6	6,41	7,07	0,181	1,30	1,07	9,22
■ Your Method	7110	90,5	6,46	7,14	0,192	1,32	1,09	9,42
● Your Peer	141	98,3	1,87	1,91	0,394	0,38	-0,55	0,723



	N	Mean	CV	U ¹
Beckman Coulter AU Series Enzymatic, end point Dedicated Reagent	876	87,8	3,38	0,251
Roche cobas 6000/c 311 Enzymatic, end point Dedicated Reagent	837	94,7	2,68	0,219
VITROS Microslide Series Enzymatic, end point VITROS Dry Slides Reagent Group	498	94,6	3,32	0,352
Roche cobas Integra / c 111 Enzymatic, end point Dedicated Reagent	440	91,4	3,17	0,345
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic, end point Dedicated Reagent	422	88,4	2,74	0,295
Siemens Dimension Series Enzymatic, end point Dedicated Reagent	374	86,3	3,74	0,417
Mindray BS Series Enzymatic, end point Dedicated Reagent	220	87,7	4,90	0,724
Roche cobas 6000/c 311 Enzymatic with glycerol blank Dedicated Reagent	196	94,7	3,00	0,507
Abbott ARCHITECT/Alinity (c, i, ci ... Enzymatic, end point Abbott Alinity c Trig, REF 07P77	164	87,8	2,58	0,442

Triglycerides 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Urea Nitrogen Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

Your Result

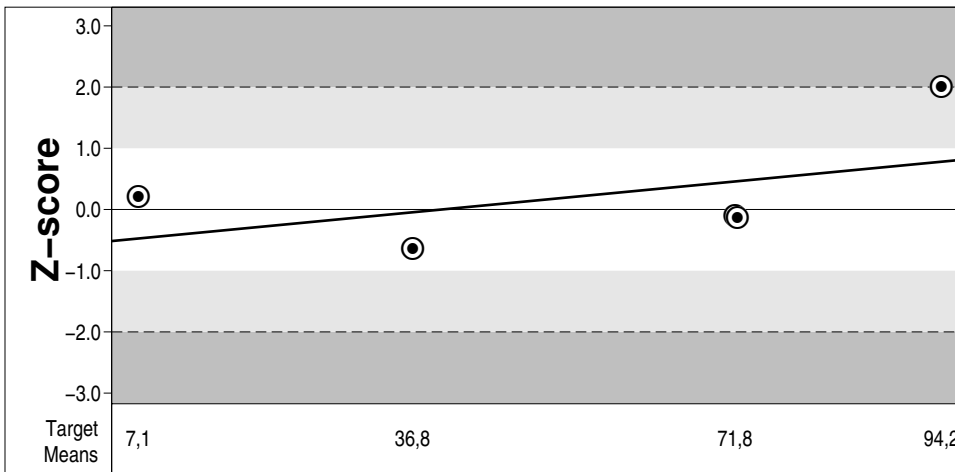
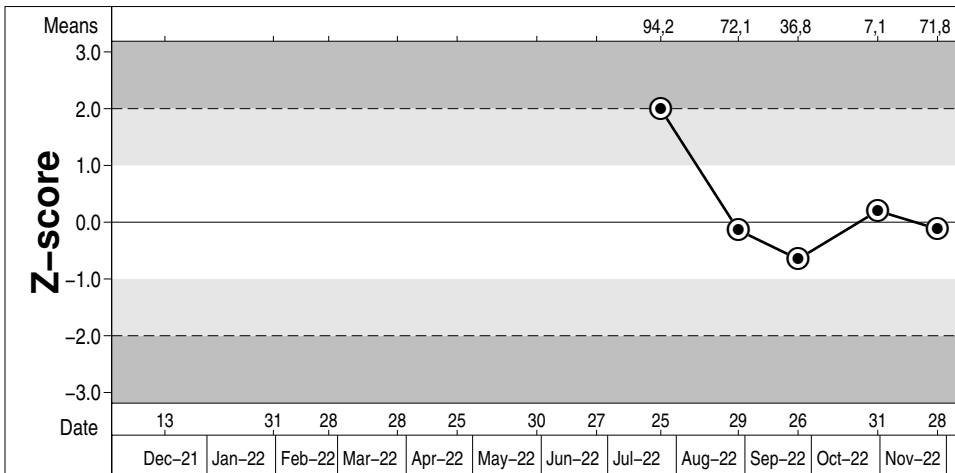
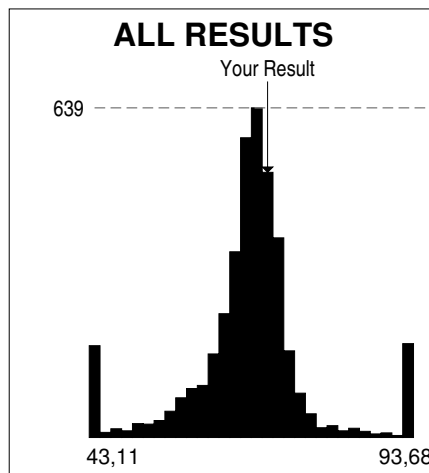
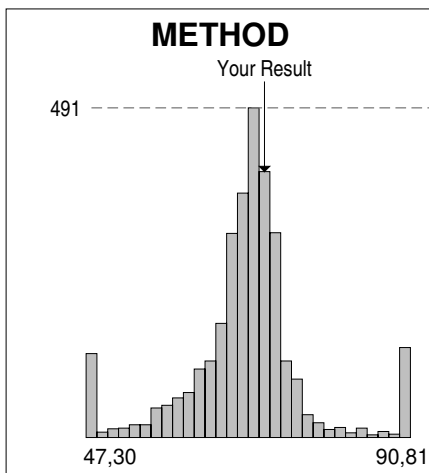
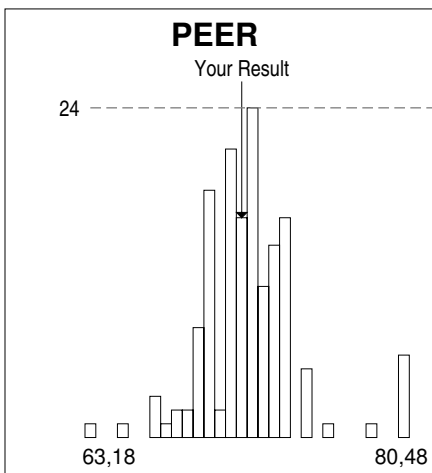
71,63 mg/dL

- ◆ All Results
- Your Method
- Your Peer

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	4099	68,4	5,06	7,39	0,197	0,64	0,61	4,73
Your Method	3119	69,1	4,35	6,30	0,195	0,59	0,62	3,73
Your Peer	153	71,8	1,73	2,41	0,350	-0,12	0,26	-0,284



	N	Mean	CV	U ¹
Beckman Coulter AU Series				
Urease, UV Dedicated Reagent	349	70,2	3,29	0,309
VITROS Microslide Series				
Urease, colorimetric VITROS Dry Slides Reagent Group	310	66,4	2,37	0,224
Roche cobas 6000/8000/c 311				
Urease, UV Dedicated Reagent	298	69,0	2,39	0,239
Abbott ARCHITECT/Alinity (c, i, ci ...)				
Urease, UV Dedicated Reagent	281	71,3	3,41	0,363
Siemens Dimension Series				
Urease, UV Dedicated Reagent	218	70,9	4,11	0,494
Roche cobas Integra / c 111				
Urease, UV Dedicated Reagent	216	67,1	4,54	0,518
Siemens Atellica CH Analyzer				
Urease, UV Siemens Atellica CH UN_c, REF 11097593	153	71,8	2,41	0,350
BioSystems A15/A25				
Urease, UV Dedicated Reagent	92	63,9	9,53	1,59
Abbott ARCHITECT/Alinity (c, i, ci ...)				
Urease, UV Abbott Alinity c Urea/Urea Nitrogen, REF 08P16	91	69,9	2,32	0,425

Urea Nitrogen 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Uric Acid Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica CH Analyzer

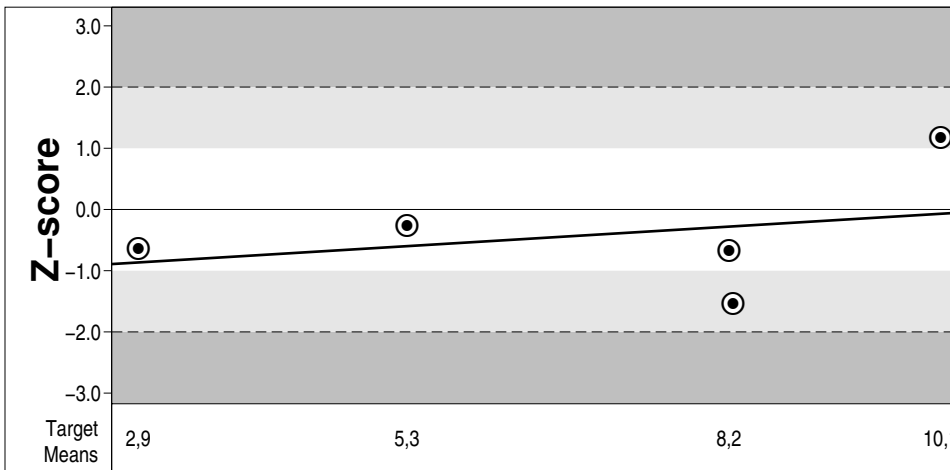
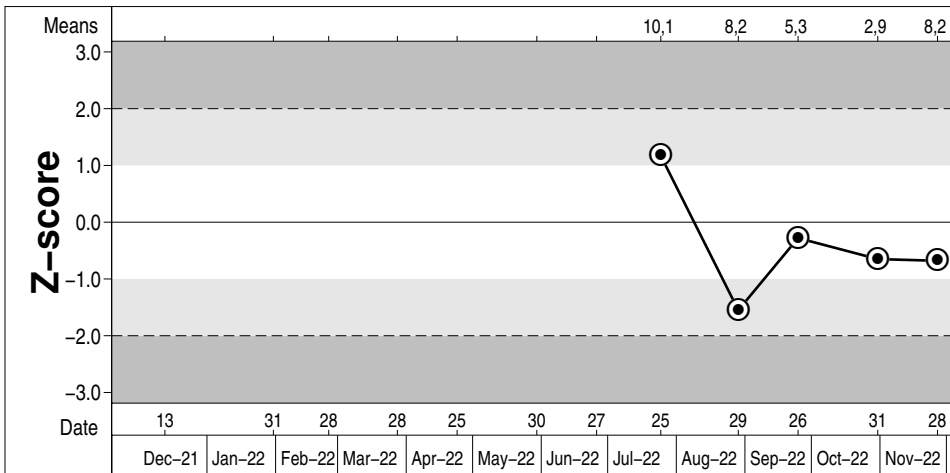
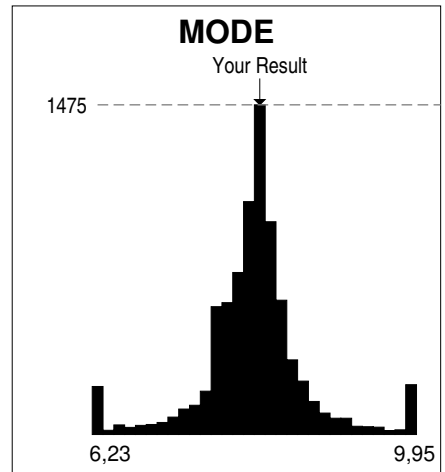
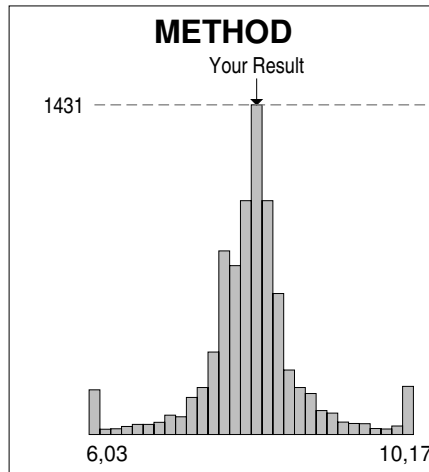
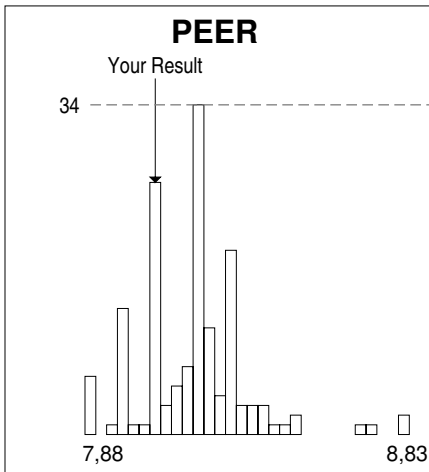
Your Result
8,1 mg/dL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	8253	8,09	0,372	4,60	0,010	0,03	0,02	0,150
Your Method	8209	8,10	0,414	5,11	0,011	0	-0,03	0,008
Your Peer	148	8,19	0,128	1,57	0,026	-0,68	-0,40	-1,07

Your Deviation



	N	Mean	CV	U ¹
Roche cobas 6000/c 311 Uricase, colorimetric Dedicated Reagent	1061	8,01	2,14	0,013
Beckman Coulter AU Series Uricase, colorimetric Dedicated Reagent	884	8,29	1,98	0,014
VITROS Microslide Series Uricase, colorimetric VITROS Dry Slides Reagent Group	629	7,71	2,07	0,016
Roche cobas Integra / c 111 Uricase, colorimetric Dedicated Reagent	546	8,20	2,95	0,026
Abbott ARCHITECT/Alinity (c, i, ci ... Uricase, colorimetric Dedicated Reagent	466	8,13	2,24	0,021
Siemens Dimension Series Uricase, UV Dedicated Reagent	373	8,10	2,06	0,022
Mindray BS Series Uricase, colorimetric Dedicated Reagent	275	8,01	5,03	0,061
Roche cobas 8000 Uricase, colorimetric Dedicated Reagent	198	7,91	2,06	0,029
BioSystems A15/A25 Uricase, colorimetric Dedicated Reagent	148	8,20	5,99	0,101

Uric Acid 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Cortisol Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica IM Analyzer

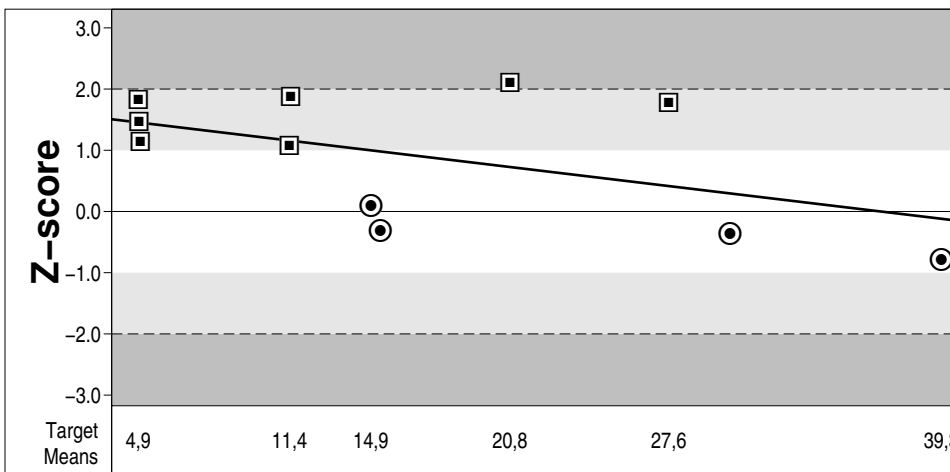
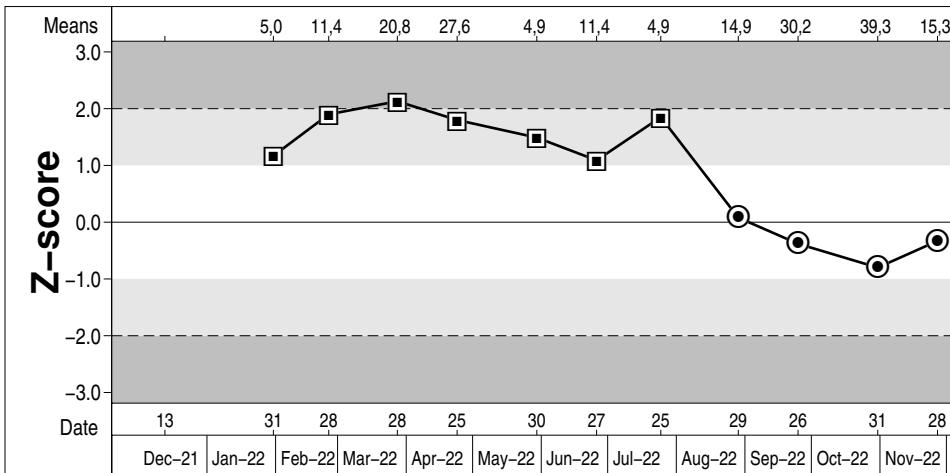
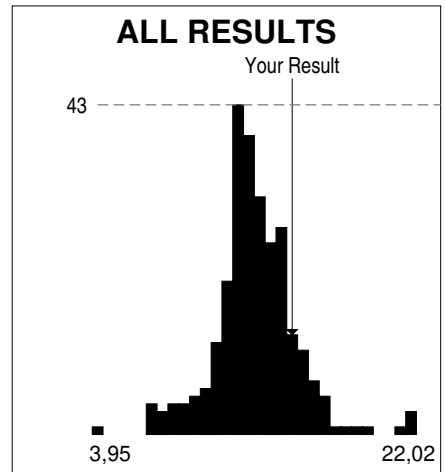
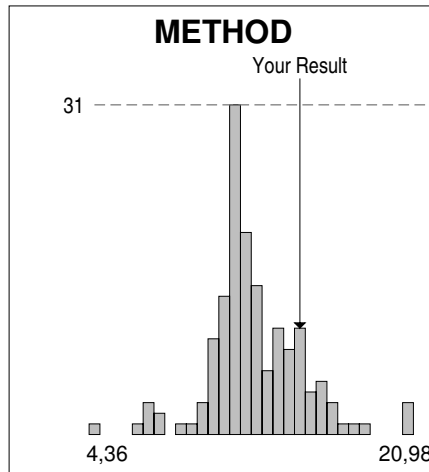
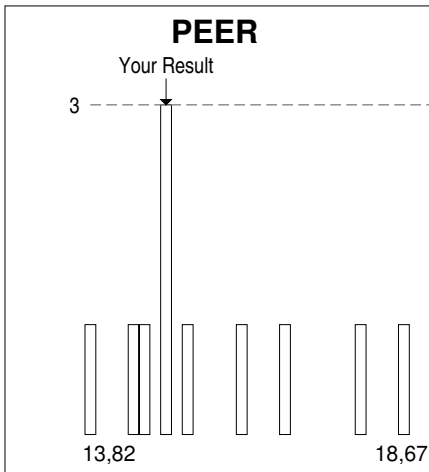
Your Result

15,01 µg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	268	13,0	1,81	13,9	0,276	1,12	1,03	15,6
■ Your Method	150	12,7	1,66	13,1	0,339	1,41	1,35	18,4
● Your Peer	11	15,3	0,787	5,15	0,593	-0,33	-0,42	-1,70



	N	Mean	CV	U ¹
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	38	11,6	6,10	0,287
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Roche ECL Cortisol II (REF 06687733)	34	14,2	6,80	0,414
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Roche ECL Cortisol II (REF 06687733)	28	12,9	4,82	0,294
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	26	14,3	9,72	0,681
VITROS Microwell Series Chemiluminescence Dedicated Reagent	20	12,5	7,45	0,520
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Abbott Alinity	18	11,9	4,12	0,290
bioMérieux VIDAS Group FIA Dedicated Reagent	15	9,39	12,1	0,732
Siemens Atellica IM Analyzer Chemiluminescence Siemens Atellica Reagent	11	15,3	5,15	0,593
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Roche ECL Cortisol (REF 11875116)	11	13,5	10,1	1,03

Cortisol 21 : 5

CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

T3, Free Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023
Sample No: 5
Sample Date: 28 Nov 22
Lot No: 212000



Siemens Atellica IM Analyzer

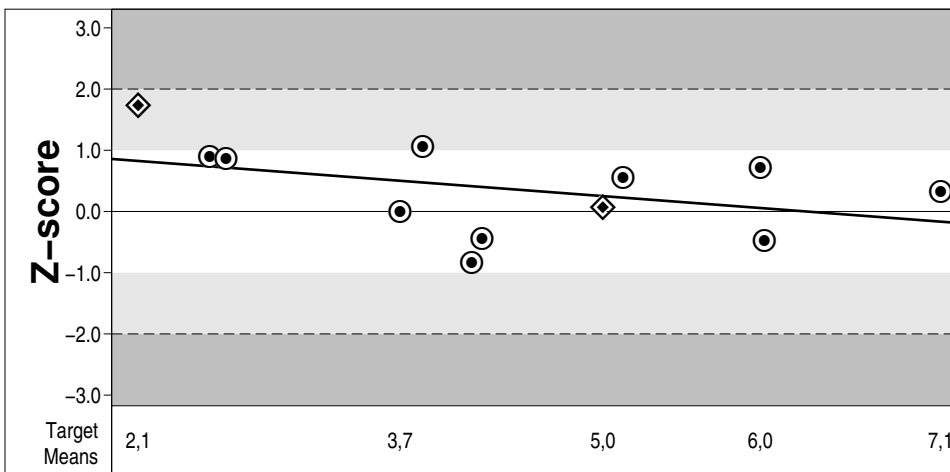
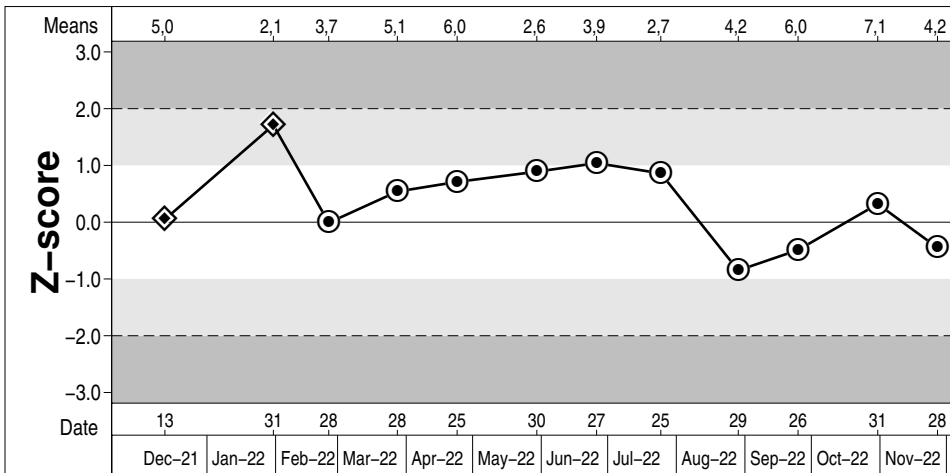
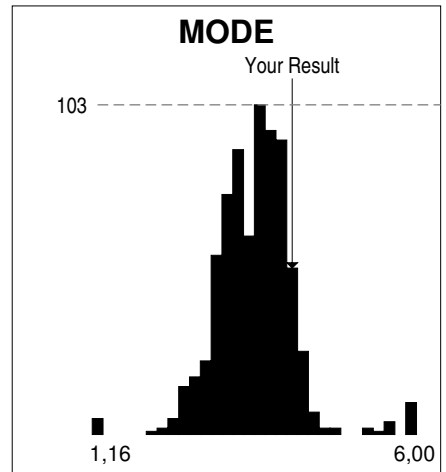
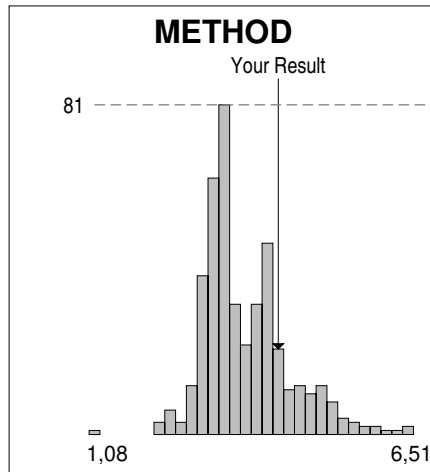
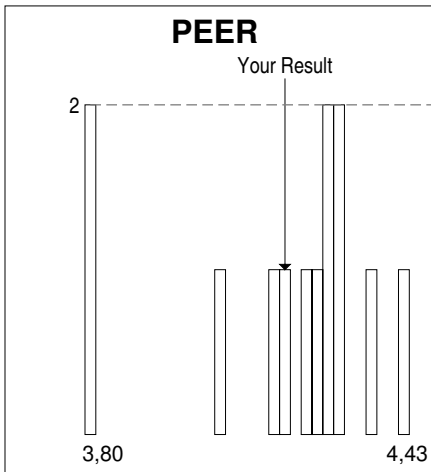
Your Result
4,2 pg/mL

- ◆ Your Mode
- Your Method
- Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	746	3,58	0,484	13,5	0,044	1,28	1,01	17,3
Your Method	430	3,61	0,579	16,0	0,070	1,01	0,95	16,2
Your Peer	13	4,24	0,088	2,07	0,061	-0,45	0,07	-0,923

Your Deviation



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	154	3,87	6,11	0,048
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	114	3,74	5,01	0,044
Abbott ARCHITECT (c, i, ci models) Chemiluminescence Dedicated Reagent	94	3,30	5,19	0,044
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	70	3,25	7,07	0,069
bioMérieux VIDAS Group FIA Dedicated Reagent	64	2,98	11,0	0,102
VITROS Microwell Series Chemiluminescence Dedicated Reagent	57	4,86	8,46	0,136
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	53	3,97	3,89	0,053
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	30	4,08	2,27	0,042
Abbott Alinity i Chemiluminescence Abbott Alinity	24	3,29	4,49	0,075

T3, Free 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

T3, Total Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica IM Analyzer

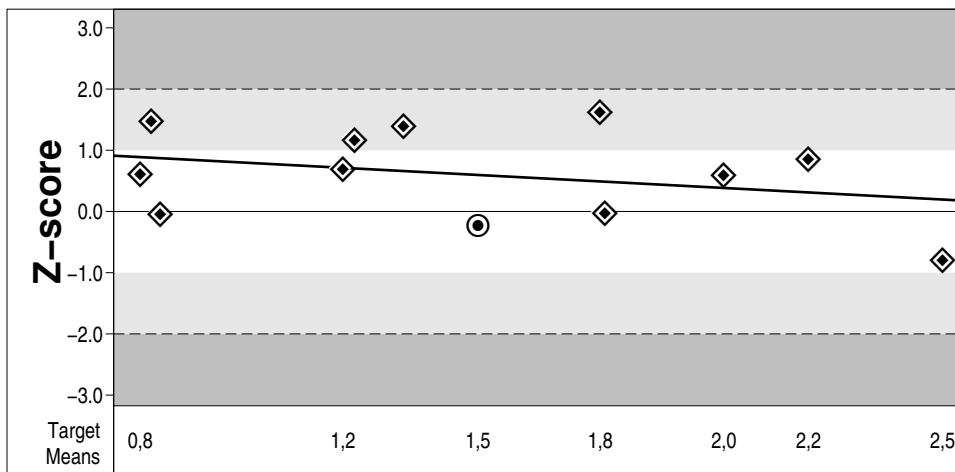
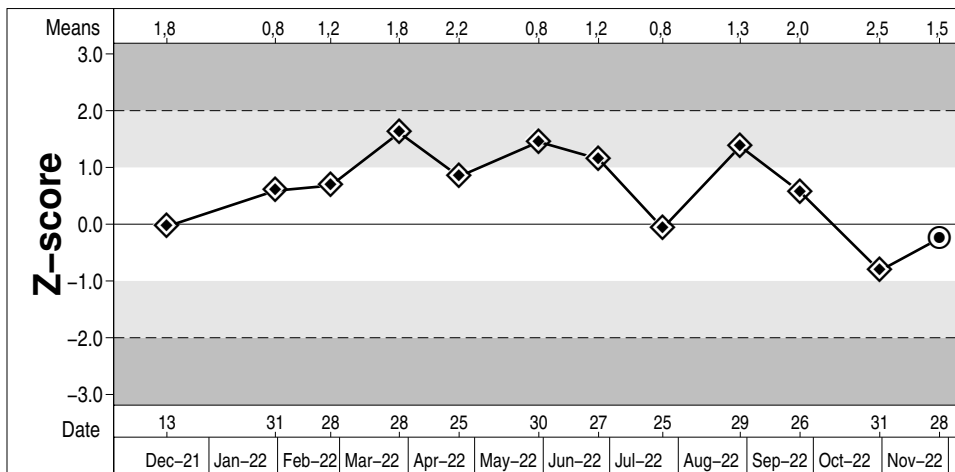
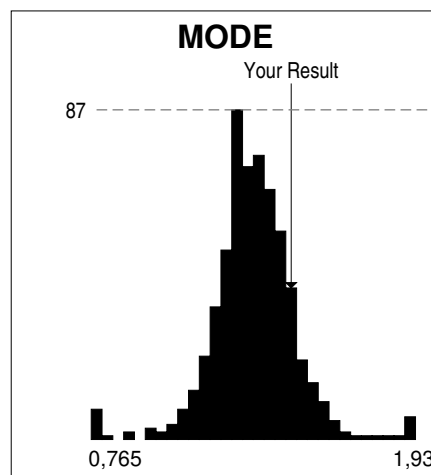
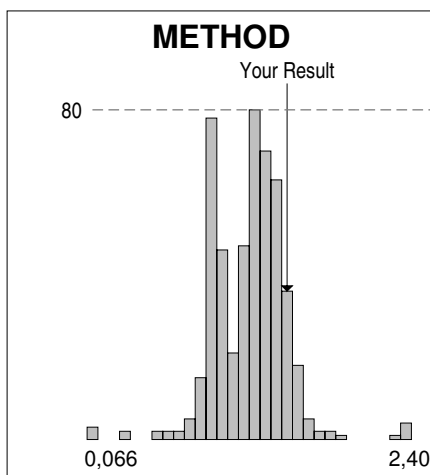
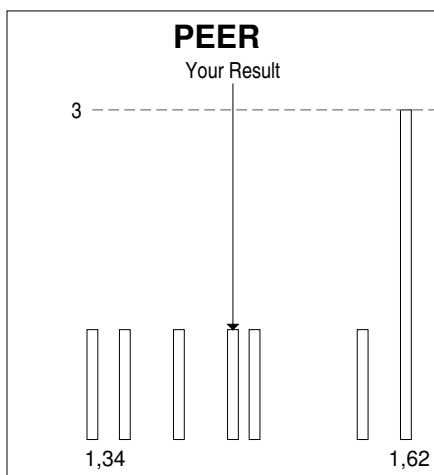
Your Result
1,47 ng/mL

- ◆ Your Mode
- Your Method
- ◎ Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	608	1,35	0,117	8,66	0,012	1,03	0,54	8,96
Your Method	506	1,23	0,234	18,9	0,026	1,01	0,68	19,1
Your Peer	9	1,50	0,125	8,30	0,104	-0,25	-1,22	-2,11

Your Deviation



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	170	1,37	8,22	0,022
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	98	1,32	10,7	0,036
Abbott ARCHITECT i1000/ci4100 Series Chemiluminescence Dedicated Reagent	79	0,976	4,21	0,012
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	79	1,34	4,92	0,018
VITROS Microwell Series Chemiluminescence Dedicated Reagent	78	1,30	4,62	0,017
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	69	1,44	7,30	0,032
bioMérieux VIDAS Group FIA Dedicated Reagent	62	1,00	9,43	0,030
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	40	1,44	7,70	0,044
Beckman Coulter UniCel Dxl Series Chemiluminescence Dedicated Reagent	24	1,25	8,96	0,057

T3, Total 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

T4, Free Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



Siemens Atellica IM Analyzer

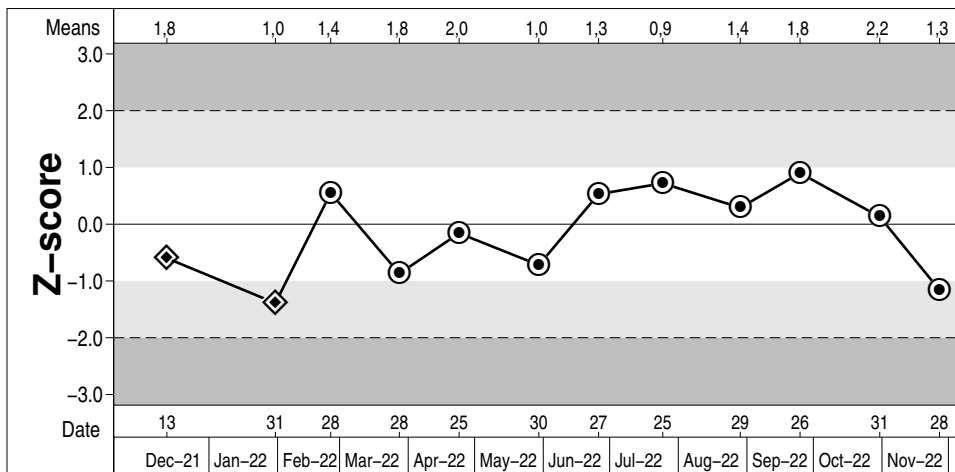
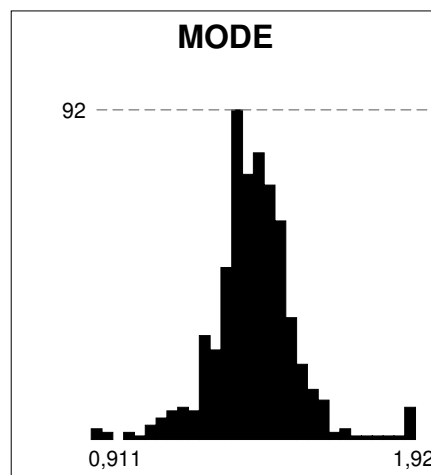
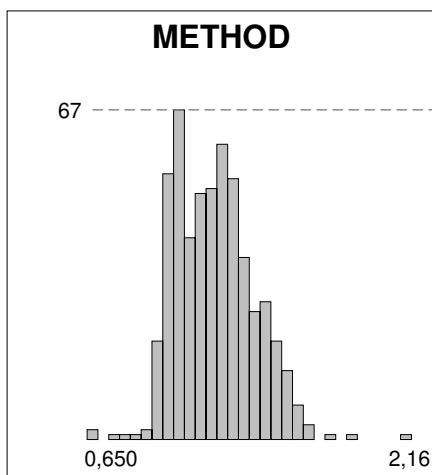
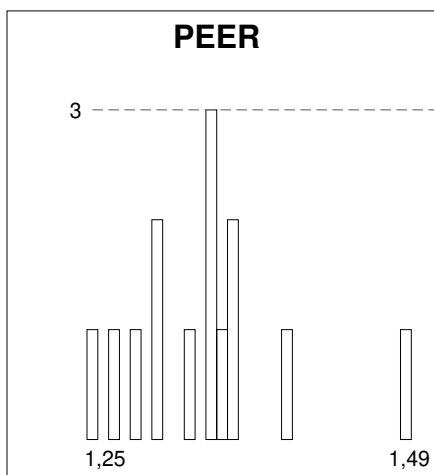
Your Result
1,28 ng/dL

- ◆ Your Mode
- Your Method
- Your Peer

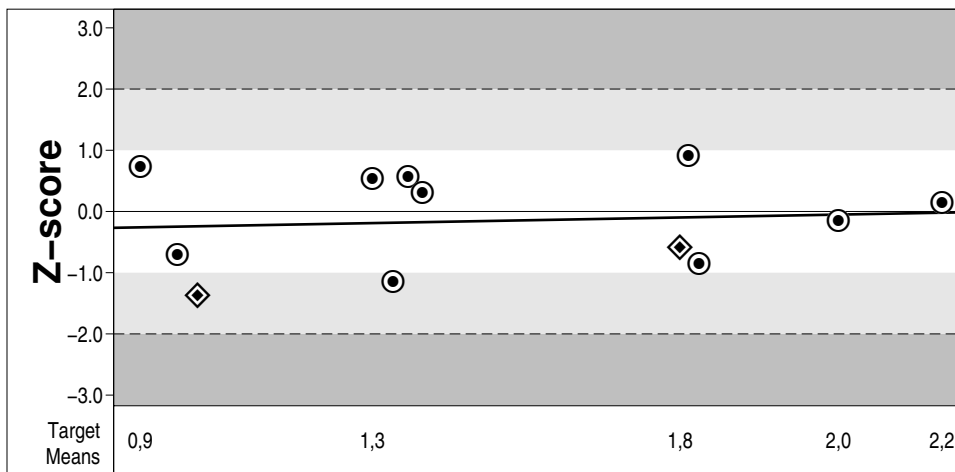
Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
Your Mode	622	1,42	0,101	7,15	0,010	-1,35	-0,43	-9,68
Your Method	541	1,24	0,184	14,8	0,020	0,22	0,75	3,24
Your Peer	14	1,33	0,046	3,46	0,031	-1,16	0,24	-4,02



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Roche Elecsys FT4 III, REF 07976836	145	1,44	5,37	0,016
Abbott ARCHITECT (c, i, ci models) Chemiluminescence Dedicated Reagent	126	1,07	5,22	0,012
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Roche Elecsys FT4 III, REF 07976836	109	1,42	4,70	0,016
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	88	1,27	7,04	0,024
VITROS Microwell Series Chemiluminescence Dedicated Reagent	65	1,49	6,31	0,029
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	57	1,31	8,26	0,036
bioMérieux VIDAS Group FIA bioMérieux VIDAS FT4N (REF 30459)	57	0,741	12,9	0,032
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Roche FT4 II, REF 06437281	48	1,47	5,90	0,031
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	34	1,32	9,15	0,052



T4, Free 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

T4, Total Report Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023
Sample No: 5
Sample Date: 28 Nov 22
Lot No: 212000



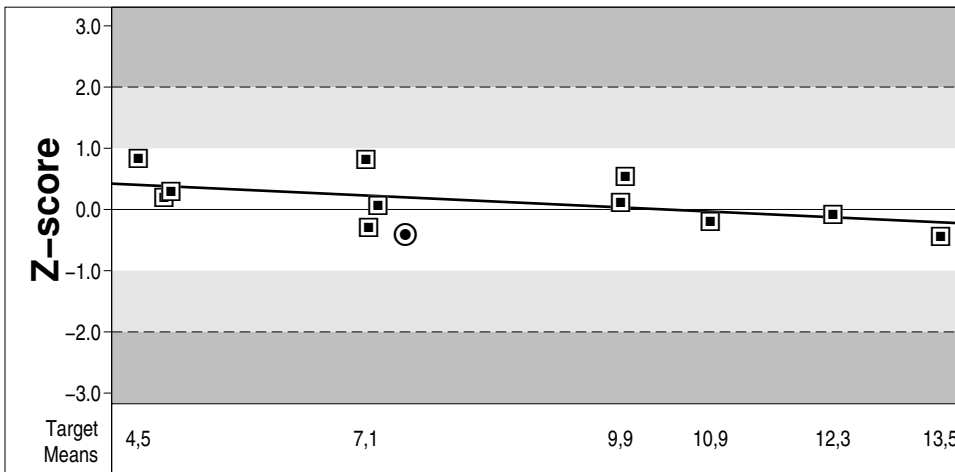
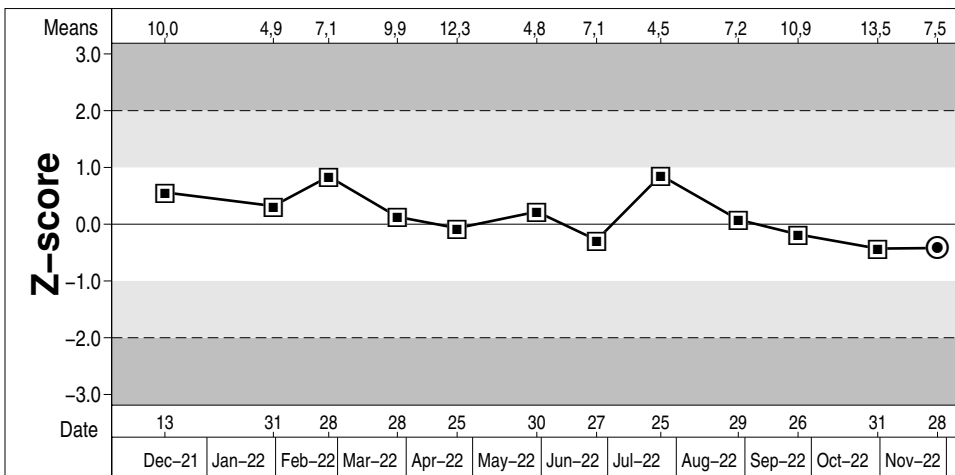
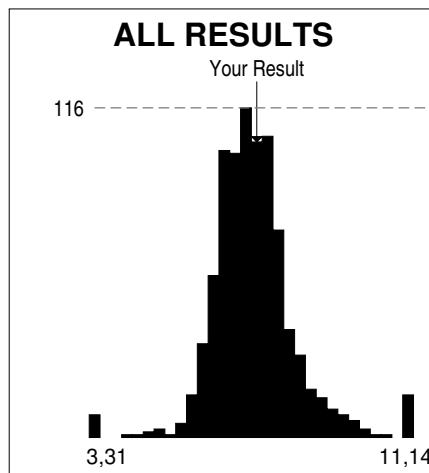
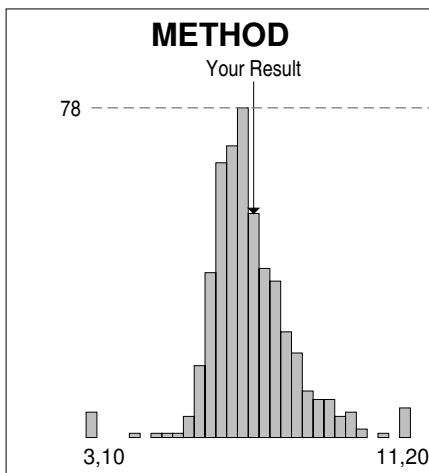
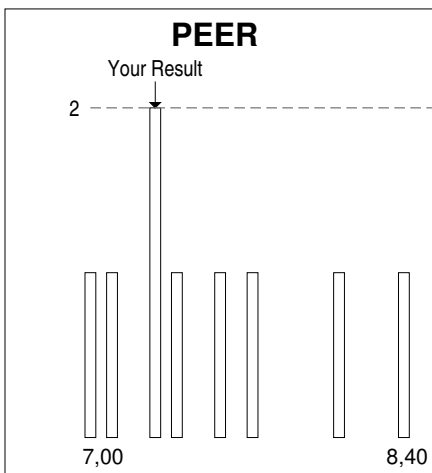
Siemens Atellica IM Analyzer

Your Result
7,32 µg/dL

Comparative Statistics

Your Deviation

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
◆ All Results	869	7,23	0,783	10,8	0,066	0,12	-0,02	1,28
■ Your Method	509	7,15	0,810	11,3	0,090	0,21	0,04	2,37
● Your Peer	9	7,50	0,436	5,81	0,363	-0,42	-0,24	-2,42



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	162	7,60	6,90	0,103
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	100	7,83	8,91	0,174
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	99	6,44	5,53	0,090
VITROS Microwell Series Chemiluminescence Dedicated Reagent	80	7,11	6,16	0,123
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	78	7,43	3,94	0,083
Siemens ADVIA Centaur Systems Chemiluminescence Dedicated Reagent	68	6,99	6,79	0,144
bioMérieux VIDAS Group FIA Dedicated Reagent	68	6,70	6,61	0,134
Siemens ADVIA Centaur CP Chemiluminescence Dedicated Reagent	35	6,95	5,07	0,149
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Abbott Alinity	25	6,51	4,14	0,135

T4, Total 21 : 5
CYCLE SAMPLE



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

TSH Report
Clinical Chemistry (Monthly) Program

Cycle 21
Jul 2022 – Jul 2023
Sample No: 5
Sample Date: 28 Nov 22
Lot No: 212000



Siemens Atellica IM Analyzer

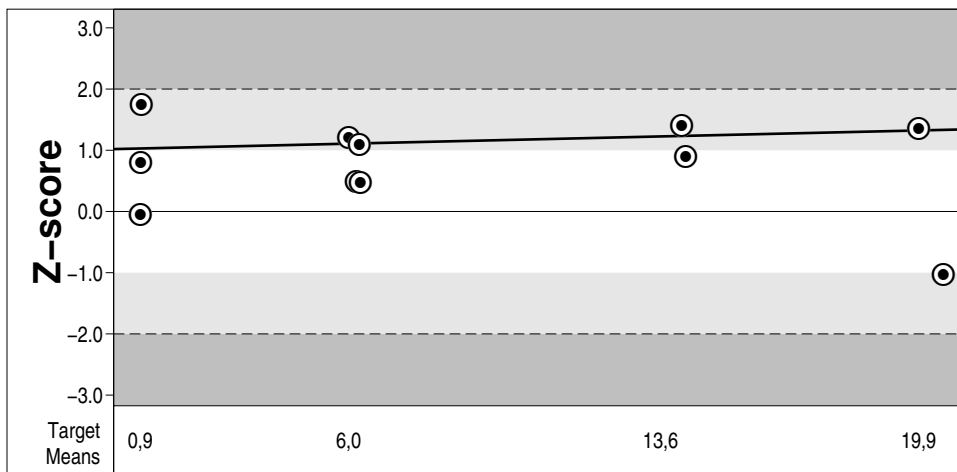
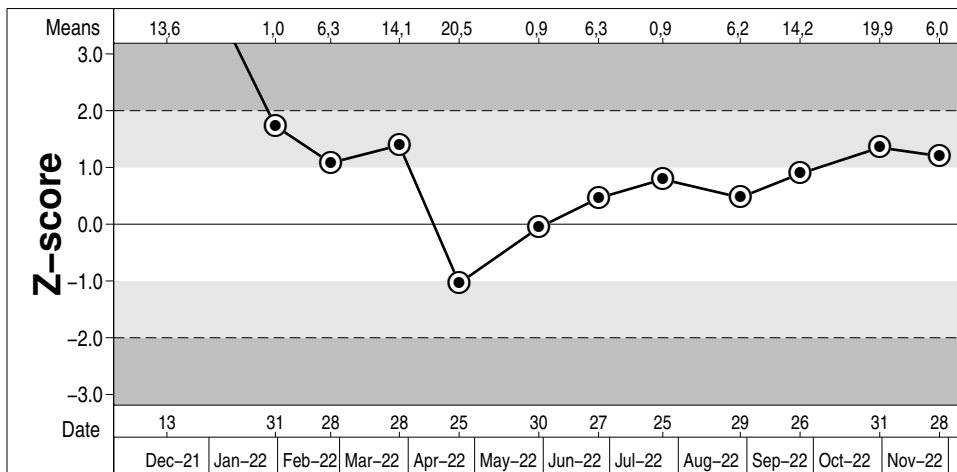
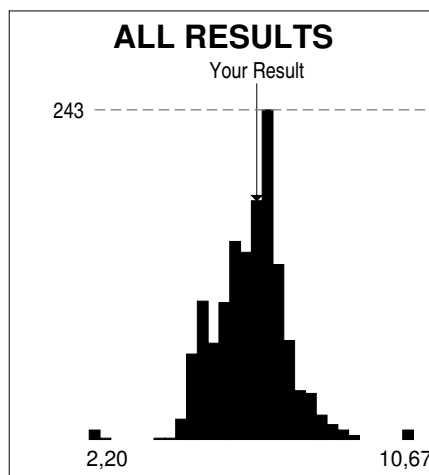
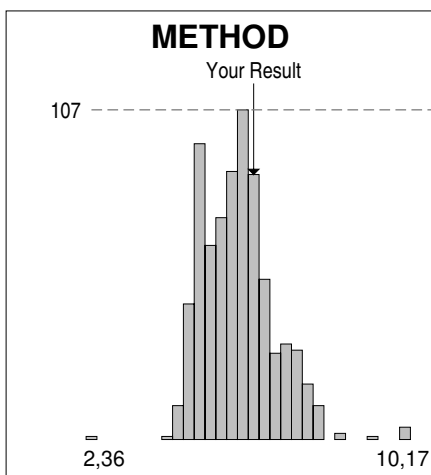
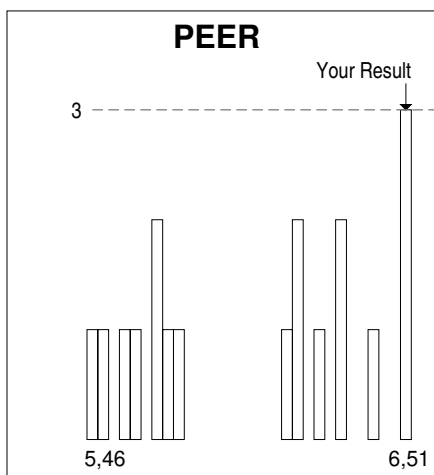
Your Result
6,506 μ IU/mL

- ◆ All Results
- Your Method
- ◎ Your Peer

Comparative Statistics

	N	Mean	SD	CV	U ¹	Z-score	RMZ	%
All Results	1384	6,44	0,847	13,2	0,057	0,08	0,00	1,08
Your Method	745	5,99	0,836	13,9	0,077	0,61	0,55	8,53
Your Peer	18	6,00	0,419	6,99	0,247	1,20	0,86	8,37

Your Deviation



	N	Mean	CV	U ¹
Roche Elecsys / cobas e 411 Series Electrochemiluminescence (ECL) Dedicated Reagent	258	6,81	5,05	0,053
Roche cobas 6000/8000/c 311 Electrochemiluminescence (ECL) Dedicated Reagent	187	6,81	3,43	0,043
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Dedicated Reagent	172	5,11	5,23	0,051
VITROS Microwell Series Chemiluminescence Dedicated Reagent	95	5,93	5,39	0,082
bioMérieux VIDAS Group FIA Dedicated Reagent	93	7,77	8,00	0,161
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence Dedicated Reagent	73	6,24	4,72	0,086
Siemens ADVIA Centaur Systems Chemiluminescence Siemens Centaur TSH, REF 08700387	50	7,35	6,12	0,159
Beckman Coulter Access, LXi 725, Dx... Chemiluminescence TSH, WHO 3rd IS 81/565	39	6,18	4,78	0,118
Abbott ARCHITECT/Alinity (c, i, ci ... Chemiluminescence Abbott Alinity	35	5,19	4,06	0,089

TSH 21 : 5
CYCLE SAMPLE

**Lab 242687**LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA**Data on File Report
Clinical Chemistry (Monthly) Program****Cycle 21**

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



External Quality Assurance Services

Sample Numbers

Analyte Unit	1	2	3	4	5	6	7	8	9	10	11	12
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Instrument: Roche AVL 9180

✓ ICA	mmol/L	0,72	0,85	1,27	1,91	0,91						
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Instrument: Roche cobas INTEGRA

ALB	g/dL	2,32	2,78	3,75	4,37	2,83						
CO2	mmol/L	-	-	18,5	22,4	17,4						
GGT	U/L	-	-	245,7	334,2	-						
✓ LDH	U/L	189	391	711	917	391						
✓ LIP	U/L	47,9	72,7	332,1	145,5	73,9						
✓ PHOS	mg/dL	9,46	7,37	4,54	1,95	7,32						
TIBC	µg/dL	-	-	297,3	359,6	224,4						
UIBC	µmol/L	-	-	24,4	25,2	21,5						

Instrument: Siemens Atellica CH Analyzer

✓ ALKP	U/L	466	368	199	68	334						
ALT	U/L	216	153	84	28	158						
✓ AMYL	U/L	1056	826	435	103	815						
✓ AST	U/L	34	98	202	294	97						
✓ DBIL	mg/dL	0,72	1,38	2,05	2,53	1,42						
✓ TBIL	mg/dL	1,17	2,98	6,09	8,56	3,01						
✓ CA	mg/dL	6	8,6	12,3	15,5	8,3						
CL	mmol/L	81,8	89,3	105	116	87,6						
✓ HDL	mg/dL	20	32	56	71	32						
✓ LDL	mg/dL	48	92	168	238	92						
✓ CHOL	mg/dL	95	161	263	360	161						
✓ CK	U/L	125	193	771	378	192						
✓ CREA	mg/dL	4,09	6,9	2,02	1,13	6,87						
✓ eGFR	mL/min/1.73m ²	10	7,9	34,4	109,4	7,9						
GGT	U/L	80	150	-	-	145						
✓ GLUC	mg/dL	149	112	65	26	114						
✓ IRON	µg/dL	59	96	166	218	99						
✓ MG	mg/dL	4,33	3,41	2,27	1,35	3,37						
K	mmol/L	6,44	5,04	3,24	1,65	5,16						
✓ TP	g/dL	3,8	4,6	6,4	7,5	4,8						
NA	mmol/L	117	125	143	157	125						
✓ TRIG	mg/dL	51	95	164	220	99						
✓ U-NIT	mg/dL	100,23	71,86	36,07*	7,14	71,63						
✓ URIC	mg/dL	10,3	8	5,3	2,9	8,1						

Instrument: Siemens Atellica IM Analyzer

✓ CORT	µg/dL	6,04	14,93	29,43	36,47	15,01						
✓ FT3	pg/mL	2,75	4,04	5,94	7,16	4,2						

Legend: ✓ No Warnings 1 Late Results 2,0 ≤ |Z-score| < 3,0 |Z-score| ≥ 3,0 - No Result

* Amended Result (per participant's request)



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Data on File Report
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023

Sample No: 5

Sample Date: 28 Nov 22

Lot No: 212000



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

Instrument: Siemens Atellica IM Analyzer

✓ TT3	ng/mL	0,83	1,51	2,1	2,31	1,47						
✓ FT4	ng/dL	0,98	1,4	1,87	2,19	1,28*						
✓ TT4	µg/dL	5	7,27	10,68	12,85	7,32						
✓ TSH	µIU/mL	0,986	6,317	14,615	21,455	6,506						

Legend: ✓ No Warnings Late Results 2,0 ≤ |Z-score| < 3,0 |Z-score| ≥ 3,0 – No Result

* Amended Result (per participant's request)



Lab 242687

LABORATOARELE BIOCLINICA-VACARESTI
CALEA V?C?RE?TI, NR. 300, BL. 1B, SECTOR
BUCURE?TI
ROMANIA

Sample Comments
Clinical Chemistry (Monthly) Program

Cycle 21

Jul 2022 – Jul 2023
Sample No: 5
Sample Date: 28 Nov 22
Lot No: 212000



Sample History

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

Age: 60

Gender: Male

Race: White