



Clinical Chemistry (Monthly) Program (BC50)
Cycle 18: July 2019 – July 2020
Sample No: 10 Sample Date: 27 Apr 20



Exceptions

Analyte	Instrument	Result	Unit	Z-score	Comparator
X Cholesterol, Total	Roche cobas Integra / c 111	407.9	mg/dL	5.43	Peer
▽ Glucose	Roche cobas Integra / c 111	141	mg/dL	2.50	Peer
▽ Iron	Roche cobas Integra / c 111	239.1	µg/dL	2.27	Peer
X Lipase	Roche cobas Integra / c 111	68.8	U/L	-3.38	Peer
X Magnesium	Roche cobas Integra / c 111	1.2	mg/dL	3.19	Method
X Phosphorus	Roche cobas Integra / c 111	10.29	mg/dL	4.46	Peer

Legend: ✓ No Warnings ⚡ Missing Result ⓘ Late Results ▽ 2.0 < IZ-score < 3.0 X IZ-score > 3.0 * Amended Result (per participant's request)

EQAS News

IMPORTANT: Place your order for the next cycle (19) now by contacting your Bio-Rad Representative.

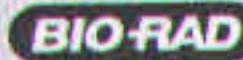
Customer Information

Lab: 138847

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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.



Selected Options:

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

Instrument

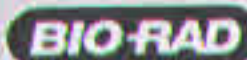
1560 - Roche AVL 9180

Analyte	Method	Reagent	Unit
039 CL	023 ISE direct	0006 Dedicated Reagent	54 mmol/L
135 K	023 ISE direct	0006 Dedicated Reagent	54 mmol/L
159 NA	023 ISE direct	0006 Dedicated Reagent	54 mmol/L

Instrument

0359 - Roche cobas INTEGRA

Analyte	Method	Reagent	Unit
007 ALB	583 Bromocresol Green (BCG)	0201 Roche Integra 400/Albumin	15 g/dL
026 ALKP	308 PNPP, AMP Buffer - IFCC Ref. Proc., Calibrated	0006 Dedicated Reagent	56 U/L
020 ALT	138 UV without PSP	0006 Dedicated Reagent	56 U/L
031 AMYL	095 2-chloro-PNP-maltoheptaose	0006 Dedicated Reagent	56 U/L
034 AST	302 UV with PSP - IFCC Ref. Proc., Calibrated	0047 Factored, IFCC Correlated	56 U/L
042 CA	437 o-cresolphthalein complexone	0006 Dedicated Reagent	14 mg/dL
054 CHOL	667 Cholesterol oxidase, esterase, peroxidase	0006 Dedicated Reagent	14 mg/dL
072 CREA	175 Alkaline picrate method, IFCC-IDMS Standardized	0006 Dedicated Reagent	14 mg/dL
036 DBIL	683 Diazotization	1651 Jendrassik-Grof Roche Direct Bilirubin	14 mg/dL
090 GGT	318 G-glutamyl-carboxy-nitroanilide - IFCC Ref. P...	0928 IFCC Roche GGT	56 U/L
096 GLUC	221 Hexokinase	0006 Dedicated Reagent	14 mg/dL
052 HOL	277 Direct Enzymatic Colorimetric	0006 Dedicated Reagent	14 mg/dL
104 IRON	517 Ferrozine-no deproteinization	0006 Dedicated Reagent	13 µg/dL
116 LDH	345 Lactate to pyruvate	0006 Dedicated Reagent	56 U/L
145 LDL	007 Direct measure	0116 Roche Integra 400/LDL	14 mg/dL
122 LIP	112 Enzymatic, colorimetric	0006 Dedicated Reagent	56 U/L
128 MG	033 Methylthymol blue	0006 Dedicated Reagent	14 mg/dL
140 PHOS	917 Phosphomolybdate method	0006 Dedicated Reagent	14 mg/dL
038 TBIL	065 Diazonium Ion, Blanked (Roche)	0006 Dedicated Reagent	14 mg/dL
144 TP	627 Biuret method	0006 Dedicated Reagent	15 g/dL
168 TRIG	231 Enzymatic, end point	0006 Dedicated Reagent	14 mg/dL
160 UREA	113 Urease, UV	0006 Dedicated Reagent	14 mg/dL
176 URIC	118 Uricase, colorimetric	0006 Dedicated Reagent	14 mg/dL



Lab 138847

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Sample Summary Report
Clinical Chemistry (Monthly) Program

Cycle 18
Jul 2019 - Jul 2020
Sample No: 10
Sample Date: 27 Apr 20
Lot No: 211700



Instrument: Roche AVL 9100 Series

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Chloride	mmol/L	120	118	1.12	0.63	Peer
✓ Potassium	mmol/L	6.4	6.35	0.46	0.23	Peer
✓ Sodium	mmol/L	161	160	0.37	-0.03	Peer

Instrument: Roche cobas Integra / c 111

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Albumin	g/dL	5.06	4.94	0.77	0.20	Peer
✓ Alkaline Phosphatase	U/L	415.9	417	-0.04	0.29	Peer
✓ ALT (ALAT/GPT)	U/L	24.7	22.5	1.50	0.41	Peer
✓ Amylase	U/L	93.3	92.7	0.24	0.94	Peer
✓ AST/GOT	U/L	248.1	245	0.44	0.54	Peer
✓ Bilirubin, Direct	mg/dL	2.66	2.63	0.26	-0.16	Peer
✓ Bilirubin, Total	mg/dL	7.8	7.38	1.63	1.06	Peer
✓ Calcium	mg/dL	16.66	16.1	1.59	1.84	Peer
✓ Cholesterol, HDL	mg/dL	50	55.3	-1.75	14.8	Peer
✓ Cholesterol, LDL	mg/dL	222.46	242	-1.82	-0.69	Mode
X Cholesterol, Total	mg/dL	407.9	354	5.43	0.50	Peer
✓ Creatinine	mg/dL	0.93	0.983	-0.81	0.59	Peer
✓ G-Glutamyltransferase	U/L	387.3	384	0.26	0.40	Peer
▽ Glucose	mg/dL	141	132	2.50	0.79	Peer
▽ Iron	µg/dL	239.1	226	2.27	1.14	Peer
✓ LDH	U/L	840	850	-0.48	1.17	Peer
X Lipase	U/L	68.8	97.1	-3.38	-0.82	Peer
X Magnesium	mg/dL	1.2	0.947	3.19	2.38	Method
X Phosphorus	mg/dL	10.29	9.23	4.46	1.15	Peer
✓ Protein, Total	g/dL	7.58	7.38	1.08	-0.04	Peer
✓ Triglycerides	mg/dL	190	195	-0.78	-0.31	Peer
✓ Urea	mg/dL	184.63	187	-0.23	-0.47	Peer
✓ Uric Acid	mg/dL	3.03	3.04	-0.11	0.25	Peer

Legend: ✓ No Warnings ✕ Missing Result 1 Late Results ▽ 2.0 ≤ |Z-score| < 3.0 X |Z-score| ≥ 3.0
 * Amended Result (per participant's request) ** Non-robust determination of Mean and SD

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Date: _____