

Instrument : Erba XL-200

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Urea	mg/dl	21.20	20.69	0.47	0.92
@ Creatinine	mg/dl	0.73	0.74	-0.18	-0.22
! Bilirubin Total	mg/dl	0.46	0.21	2.83	3.30
@ Total Protein	g/dL	5.08	5.88	-1.40	-1.69
@ Albumin	g/dL	3.43	3.50	0.21	0.17
@ Uric Acid	mg/dl	4.30	4.24	0.34	0.25
X Calcium	mg/dl	10.00	7.42	4.46	3.02
! Phosphorous Inorganic	mg/dl	3.21	4.37	-2.23	-1.97
@ Magnesium	mg/dl	1.70	1.80	-0.15	-0.13
@ Cholesterol	mg/dl	142.00	128.50	1.41	0.49
@ Triglycerides	mg/dl	128.40	118.45	1.32	0.46
@ HDL	mg/dl	29.70	33.09	-0.57	-0.47
@ LDL	mg/dl	70.20	71.70	0.17	0.03
@ ALT	U/L	10.90	12.26	-0.71	-0.36
@ AST	U/L	23.50	25.85	-0.30	0.12
@ ALP	U/L	37.00	45.60	-1.00	-1.25
! GGT	U/L	33.00	26.88	2.68	2.13
@ LDH	U/L	220.00	237.50	0.24	0.64
@ Amylase	U/L	31.00	37.67	-1.34	-1.28
@ Lipase	U/L	40.20	39.13	0.23	0.26

Instrument : Erba EC 90

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	81.40	79.03	0.25	0.04
@ Sodium	mmol/L	112.30	104.37	0.43	0.38
@ Potassium	mmol/L	3.75	3.44	0.77	0.63

Dr Subhash Ranjan
Consultant Pathologist.

Analyte	Instrument	Result Value	Standard Unit	Z-Score
! Bilirubin Total	Erba XL-200	0.46	mg/dl	2.83
X Calcium	Erba XL-200	10.00	mg/dl	4.46
! Phosphorous Inorganic	Erba XL-200	3.21	mg/dl	-2.23
! GGT	Erba XL-200	33.00	U/L	2.68

Legend @ : z score \leq 2.0 - Acceptable
! : 2.0 < z score < 3.0 - Warning
X : z score \geq 3 - Unacceptable
: Not Evaluated
⊙ : Delayed Result Entry
* : Not considered for evaluation.

Problem Classification: All parameters within acceptable range
Z score < 2 except Calcium and GGT.
Inorganic phosphorus and GGT showing warning.

Corrective Action: Ac is accepted for the month of
Nov. and Dec. Reports attached and
all parameter accepted in Sample No. 02.

Reviewed by:

Dated: 20.12.2023

Sush
Dr. Subhash Panwar
Consultant Pathologist.

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Instrument : Erba XL-200

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Glucose	mg/dl	79.30	81.71	-0.08	-0.33
@ Urea	mg/dl	22.90	19.76	1.36	0.92
@ Creatinine	mg/dl	1.61	1.62	0.17	-0.22
<input checked="" type="checkbox"/> Bilirubin Total	mg/dl	4.32	2.34	3.77	3.30
@ Bilirubin Direct	mg/dl	0.37	0.31	0.96	0.96
@ Total Protein	g/dL	4.80	5.85	-1.98	-1.69
@ Albumin	g/dL	3.52	3.57	0.06	0.17
@ Uric Acid	mg/dl	4.50	4.34	0.34	0.25
@ Calcium	mg/dl	8.70	7.70	1.79	3.02
@ Phosphorous Inorganic	mg/dl	3.21	3.93	-1.70	-1.97
<input type="checkbox"/> Magnesium	mg/dl	1.80	1.80	-0.11	-0.13
@ Cholesterol	mg/dl	124.00	129.56	-0.44	0.49
@ Triglycerides	mg/dl	103.60	106.44	-0.40	0.46
@ HDL	mg/dl	21.60	23.73	-0.37	-0.47
@ LDL	mg/dl	77.00	86.47	-0.12	0.03
@ ALP	U/L	32.00	41.11	-1.50	-1.25
@ GGT	U/L	27.00	22.28	1.58	2.13
@ LDH	U/L	58.00	66.50	1.03	0.64
@ Amylase	U/L	30.00	35.00	-1.21	-1.28
@ Lipase	U/L	41.60	42.67	0.29	0.26

Instrument : Erba EC 90

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	83.00	81.51	0.09	0.04
@ Sodium	mmol/L	114.30	107.08	0.54	0.38
<input type="checkbox"/> Potassium	mmol/L	3.80	3.57	0.73	0.63

Sush
 Dr Subhash Panoman
 Consultant Pathologist

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X Bilirubin Total	Erba XL-200	4.32	mg/dl	3.77
Legend @ : z score ≤ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score ≥ 3 - Unacceptable # : Not Evaluated ⊕ : Delayed Result Entry * : Not considered for evaluation.				

Problem Classification: All parameters within acceptable range.
Z score < 2 except Bilirubin Total.

Corrective Action: Q.c. is accepted for the month of Nov.
and Dec. and Total Bilirubin is accepted
Sample No. 01
Q.c. Report attached.

Dated: 20.12.2023.

Reviewed by: Jush
Dr Subhash Parmar
Consultant Pathologist.

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Instrument : Erba XL-200

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Glucose	mg/dl	75.00	80.93	-0.57	-0.33
@ Creatinine	mg/dl	0.70	0.71	-0.65	-0.22
@ Albumin	g/dL	3.95	3.95	0.24	0.17
@ Uric Acid	mg/dl	4.90	4.98	0.06	0.25
! Calcium	mg/dl	9.90	8.30	2.80	3.02
# ALT	U/L	10.00	7.29		-0.36
@ AST	U/L	15.50	11.71	0.54	0.12

Instrument : Erba EC 90

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	116.50	116.22	-0.23	0.04
@ Sodium	mmol/L	180.60	183.79	0.16	0.38
@ Potassium	mmol/L	7.18	7.02	0.40	0.63

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score ≥ 3 - Unacceptable

: Not Evaluated

⊖ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	10
Not Evaluated Parameters	1
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Biochemistry	100.00 %

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Dr Nigam

Dr Puneet Kumar Nigam
PT coordinator & Technical Manager, MHL EQAS
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Mumbai - 400070

Analyte	Instrument	Result Value	Standard Unit	Z-Score
! Calcium	Erba XL-200	9.90	mg/dl	2.8

Legend @ : z score \leq 2.0 - Acceptable
 ! : 2.0 < z score < 3.0 - Warning
 X : z score \geq 3 - Unacceptable
 # : Not Evaluated
 ⊙ : Delayed Result Entry
 * : Not considered for evaluation.

Problem Classification: All parameters within acceptable range. only calcium showing warning sign.

Corrective Action: None Required. but Qc. is accepted Report attached.

Dated: 20.12.2023.

Reviewed by: Jush
Dr Subhash Parman
Consultant Pathologist.

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Instrument : Biorad D-10

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
HbA1c	%	7.10	7.14	0.04	0.07

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score ≥ 3 - Unacceptable

: Not Evaluated

⊙ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	1
Not Evaluated Parameters	0
Evaluated Parameters	1
Outlier Parameters (X)	0
EQAS Score HbA1c	100.00 %

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Metropolis Healthcare Ltd., EQAS

SIDDHAM PATHOLOGY LABORATORY DIAGNOSTICS - SPL DIAGNOSTICS
(1081)

Result Details For Cycle No 230310 and Sample No 02

Report Date : 19/12/2023

Instrument : Biorad D-10

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
HbA1c	%	5.80	5.78	0.10	0.07

- Legend
- Ⓢ : Acceptable
 - ! : $2.0 < z \text{ score} < 3.0$ - Warning
 - X : $z \text{ score} \geq 3$ - Unacceptable
 - # : Not Evaluated
 - Ⓞ : Delayed Result Entry
 - * : Not considered for evaluation.

Total Parameters	1
Not Evaluated Parameters	0
Evaluated Parameters	1
Outlier Parameters (X)	0
EQAS Score HbA1c	100.00 %

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