

Instrument : Diasys 400 Pro

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X Triglycerides	mg/dl	205.00	134.20	4.23	4.04
@ Urea	mg/dl	36.26	39.52	0.78	-0.07
@ Creatinine	mg/dl	0.81	0.82	-0.71	-0.52
@ Bilirubin Total	mg/dl	0.20	0.25	0.01	-0.46
@ Bilirubin Direct	mg/dl	0.21	0.17	-0.20	-0.25
@ Total Protein	g/dL	7.16	6.49	0.29	1.06
@ Albumin	g/dL	3.62	3.88	-1.78	-1.25
Uric Acid	mg/dl	3.45	3.83	-2.57	-4.01
Calcium	mg/dl	9.95	9.19	2.44	2.31
@ Cholesterol	mg/dl	145.00	158.67	-1.41	-1.48
@ HDL	mg/dl	28.00	30.00	-1.08	-1.91
@ LDL	mg/dl	90.00	92.64	-1.18	-1.15
@ ALT	U/L	20.50	19.07	-0.13	0.13
@ AST	U/L	45.20	37.60	0.92	-0.62
@ ALP	U/L	70.60	72.75	-0.73	-1.38
@ GGT	U/L	23.00	--	-0.64	-0.42
@ LDH	U/L	154.00	--	-0.50	-4.29
@ Amylase	U/L	54.00	--	0.87	0.75

Instrument : Siemens RAPIDLab 348/348EX

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	111.00	109.67	-0.21	0.16
@ Sodium	mmol/L	170.00	167.67	0.71	0.44
X Potassium	mmol/L	8.04	7.07	2.94	3.08

(2) Lipase
magnesium
phosphates

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	21
Not Evaluated Parameters	0
Evaluated Parameters	21
Outlier Parameters (X)	1
EQAS Score Biochemistry	95.24 %

Dr Puneet Kumar Nigam

Dr Puneet Kumar Nigam
PT coordinator & Technical Manager, MHL EQAS
Unit No. 409-416.
Commercial Building - 1A
Kohinoor Mall, Kiroli Road, Kurla (W),
Mumbai - 400070

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X Trnglycerides	Diasys 400 Pro	205.00	mg/dl	4.23
Uric Acid	Diasys 400 Pro	3.45	mg/dl	-2.57
Calcium	Diasys 400 Pro	9.95	mg/dl	2.44
Potassium	Siemens RAPIDLab 348/348EX	8.04	mmol/L	2.94

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: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X Uric Acid	Diasys 400 Pro	1.62	mg/dl	-5.45
X Triglycerides	Diasys 400 Pro	200.00	mg/dl	3.85
X LDH	Diasys 400 Pro	25.00	U/L	-8.08
X Potassium	Siemens RAPIDLab 348/348EX	6.67	mmol/L	3.21
Calcium	Diasys 400 Pro	10.82	mg/dl	2.18
HDL	Diasys 400 Pro	16.00	mg/dl	-2.73
AST	Diasys 400 Pro	7.70	U/L	-2.16
ALP	Diasys 400 Pro	23.50	U/L	-2.02

- : 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: _____

Corrective Action: _____

Reviewed by: _____ Dated: _____

Instrument : Diasys 400 Pro

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X Uric Acid	mg/dl	1.62	4.42	-5.45	-4.01
X Tnglycerides	mg/dl	200.00	121.90	3.85	4.04
X LDH	U/L	25.00	—	-8.08	-4.29
@ Glucose	mg/dl	50.80	70.87	-1.82	-1.82
@ Urea	mg/dl	22.65	26.35	-0.91	-0.07
@ Creatinine	mg/dl	0.94	0.98	-0.32	-0.52
@ Bilirubin Total	mg/dl	0.10	0.23	-0.92	-0.48
@ Bilirubin Direct	mg/dl	0.08	0.13	-0.30	-0.25
@ Total Protein	g/dL	8.31	8.18	1.83	1.06
@ Albumin	g/dL	3.82	4.19	-0.72	-1.25
Calcium	mg/dl	10.82	10.08	2.18	2.31
@ Cholesterol	mg/dl	141.00	166.67	-1.55	-1.48
HDL	mg/dl	16.00	23.00	-2.73	-1.91
@ LDL	mg/dl	81.00	81.06	-1.11	-1.15
@ ALT	U/L	8.00	6.20	0.38	0.13
AST	U/L	7.70	12.74	-2.16	-0.62
ALP	U/L	23.50	46.88	-2.02	-1.38
@ GGT	U/L	29.00	—	-0.19	-0.42
@ Amylase	U/L	48.00	—	0.63	0.75

Instrument : Siemens RAPIDLab 348/348EX

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X Potassium	mmol/L	6.67	5.00	3.21	3.08
Chloride	mmol/L	107.00	104.67	0.52	0.16
@ Sodium	mmol/L	136.00	134.33	0.16	0.44

Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD ROHRU (1240)

Outlier And Analyte Summary Report

Result Details For Cycle No 240104 and Sample No 02

Report Date : 10/07/2024

- Legend @ : Acceptable
○ : $2.0 < z \text{ score} < 3.0$ - Warning
X : $z \text{ score} \geq 3$ - Unacceptable
: Not Evaluated
⓪ : Delayed Result Entry
* : Not considered for evaluation.

Total Parameters	22
Not Evaluated Parameters	0
Evaluated Parameters	22
Outlier Parameters (X)	4
EQAS Score Biochemistry	81.82 %

Dr Puneet Kumar Nigam

Dr Puneet Kumar Nigam
PT coordinator & Technical Manager, MHL EQAS
Unit No. 409-416.
Commercial Building - 1A
Kohinoor Mall, Kiroi Road, Kurla (W),
Mumbai - 400070

CORRECTIVE ACTION & PREVENTIVE ACTION (CAPA)

Name of the Department: *Biochemistry*

Sr. No	Date	Non Conformity Observed	Root Cause Analysis	Corrective Action & Preventive Action	Date of Closure	Signature
1	7-Aug-24	Triglycerides	Random error	I/LC done	7-Aug-24	<i>[Signature]</i>
2	7-Aug-24	Uric Acids	Random error	I/LC done	7-Aug-24	<i>[Signature]</i>
3	7-Aug-24	Potassium	Random error	I/LC done	7-Aug-24	<i>[Signature]</i>
4	7-Aug-24	LDH	Random error	I/LC done	7-Aug-24	<i>[Signature]</i>

Issued on : 01.03.2024

 Issued by: Vinod Lankar
 Approved by: Dr. Arno [Signature]

Page No. 01/01/24

INTER LABORATORY COMPARISON RESULTS

Biochemistry

Sr. No	Date	Analyte Name	Barcode ID	Lab Result	Unit	ILC lab Result	Unit	Acceptability Criteria	Observed CV %	Acceptability range	Result Acceptable Yes / No	Done by	Reviewed by
1	2-Aug-24	LDH	11557988	209	U/L	196	U/L	10%	6.22	-	Yes	pranika joshi	pranika joshi
2	2-Aug-24	TCr	115545255	110	mg/dl	119.0	mg/dl	10%	8.18	-	Yes	pranika joshi	pranika joshi
3	2-Aug-24	Potassium	115545255	3.96	mmol/L	4.20	mmol/L	10%	6.0	-	Yes	pranika joshi	pranika joshi
4	2-Aug-24	URIC ACIDS	115545255	7.8	mg/dl	8.30	mg/dl	10%	6.4	-	Yes	pranika joshi	pranika joshi
5													

Qualitative: Clinically comparable results shall be Concordance.

Clinically not comparable results shall be Disconcordance.

Quantitative: Acceptability: 10 %. (As per NABL 112)

Sign of Doctor

Issued by : Vinod Lonkar *Vinod*

Approved by : Dr. Mamish Karekar *Mamish*

Doc No. GEN-01

Version No : 1


Issue Date : 01.09.2023

Amend No. --

Amend Date

Medical Laboratory Report

Patient Name : Mr ILC
 Age and Gender : 59 Years / Male
 Category : OPD - HP ROHRU LAB
 Referring Doctor : Self
 Sample Processed at : HP ROHRU LAB

Patient UID No : ROPT240800123305
 PRN No : ROPT240800123305
 Registered On : 02 Aug 2024 16:27
 Sample UID No.  115545255

BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interval
Lactate Dehydrogenase Serum (LDH) <small>Mod. JCC, Serum</small> <small>Test performed on fully automated biochemistry analyzer.</small>	209.00	U / L	125-220 U/L
Potassium - Serum <small>Indirect Ion-Selective Electrode</small> <small>Test performed on Roche 9180 electrolyte analyzer.</small>	3.96	mmol/ L	3.50 - 5.50
Triglyceride - Serum <small>GPO TOPS, Endpoint</small> <small>Test performed on fully automated biochemistry analyzer</small>	110.00	mg/dl	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
Uric Acid - Serum <small>Uricase</small> <small>Test performed on fully automated biochemistry analyzer</small>	7.80	mg. / dl.	3.5 - 7.2

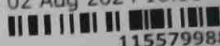


DR. SONIA JAIN
 (CONSULTANT PATHOLOGIST)

--- END OF REPORT ---

Medical Laboratory Report

Patient Name : Mr ILC
Age and Gender : 59 Years / Male
Category : OPD - HP ROHRU LAB
Referring Doctor : Self
Sample Processed at : HP MANDI LAB

Patient UID No : ROPT240800123306
PRN No : ROPT240800123306
Registered On : 02 Aug 2024 16:31
Sample UID No. 
115579988

BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interv
Lactate Dehydrogenase Serum (LDH) Med IFCC Serum Test performed on fully automated biochemistry analyzer.	196.00	U / L	125-220 U/L

Potassium - Serum Sample Type - Serum Method - Ion Selective Electrode	4.20	mmol/ L	3.50 - 5.50
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DR ABHINAV JUNWAL (E16735)
(Consultant Pathologist)

--- END OF REPORT ---

Medical Laboratory Report

Patient Name : Mr ILC
 Age and Gender : 59 Years / Male
 Category : OPD - HP ROHRU LAB
 Referring Doctor : Self
 Sample Processed at : HP MANDI LAB

Patient UID No : ROPT240800123306
 PRN No : ROPT240800123306
 Registered On : 02 Aug 2024 16:31
 Sample UID No.  115579988

BIOCHEMISTRY

Test Done	Observed Value	Units	Biological Reference Interv
Triglyceride - Serum Serum	119.00	mg/dl	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500

Glycerol Phosphate Oxidase

Test Description

Triglyceride are a family of lipids absorbed from diet and produced endogenously from carbohydrates and fatty acids.

Test Interpretation:

- Measurement of triglyceride is important in the diagnosis and management of hyperlipidemia.

Test Limitation:

- Bilirubin, Hemoglobin(Hb), Ascorbate are potentially interfering endogenous substances.
- For diagnostic purpose, the test finding should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Reflex Test:

- Lipid profile
- Apo A
- Apo B
- Lipoprotein A
- TSH
- Glucose
- HbA1C

References: Clinical Chemistry Kit Insert.

Uric Acid - Serum	8.30	mg. / dl.	3.5 - 7.2
Serum			
Uricase			

Test Description:

- Uric acid is a metabolite of purines, nucleic acids and nucleoproteins.
- Consequently, abnormal levels may be indicative of a disorder in the metabolism of these substances.

Test Interpretation:

- Hyperuricemia may be observed in renal dysfunction, gout, leukemia, polycythemia, atherosclerosis, diabetes, hypothyroidism, or in some diseases.
- Decreased levels are present in patients with Wilson's disease.

Test Limitation:

- Ascorbate, bilirubin, glucose, hemoglobin, intralipid are potentially interfering endogenous substances.
- For diagnostic purpose, the test finding should always be assessed in conjunction with the patient's medical history, clinical examinations and other findings.

Reflex Test:

- Creatinine

References: Reference -Clinical Chemistry kit insert