

HIRA CLINICAL LAB (441)
 Outlier And Analyte Summary Report
 Result Details For Cycle No 210103 and Sample No 03

Report Date : 19/03/2021

Instrument : Roche cobas c 311

Analyte	StandardUnit	Result Value	Mean	Z-Score	RMZ
@ Glucose	mg/dl	81.00	75.76	1.01	0.45
@ Urea	mg/dl	29.00	25.81	1.19	0.74
@ Creatinine	mg/dl	0.76	0.78	-0.04	0.32
@ Phosphorous Inorganic	mg/dl	3.60	3.39	0.57	0.38
@ Cholesterol	mg/dl	152.00	150.00	0.15	0.15

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.

Total Parameters	5
Not Evaluated Parameters	0
Evaluated Parameters	5
Outlier Parameters (X)	0
EQAS Score Biochemistry	100.00 %

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, Kuria (W),
 Mumbai - 400070

End of Report

HIRA CLINICAL LAB (441)

Outlier And Analyte Summary Report

Result Details For Cycle No 210103 and Sample No 01

Report Date : 19/03/2021

Instrument : Roche cobas c 311

Analyte	StandardUnit	Result Value	Mean	Z-Score	RMZ
@ Bilirubin Total	mg/dl	0.30	0.20	1.65	1.83
@ Bilirubin Direct	mg/dl	0.09	0.09	-0.14	0.97
@ Total Protein	g/dL	6.90	6.47	1.83	1.83
@ Albumin	g/dL	3.90	3.82	0.59	0.59
@ Uric Acid	mg/dl	4.30	3.95	1.07	1.07
@ Calcium	mg/dl	8.70	7.92	1.40	1.40
@ Triglycerides	mg/dl	129.00	127.01	0.23	0.23
! ALT	U/L	18.00	13.02	2.17	1.80
@ AST	U/L	26.00	20.46	1.59	0.81
@ ALP	U/L	80.00	78.32	0.12	-0.17
@ Amylase	U/L	69.00	66.72	0.47	0.47
@ Chloride	mmol/L	91.00	87.23	0.55	0.55
@ Sodium	mmol/L	126.00	124.25	0.39	0.39
@ Potassium	mmol/L	4.40	4.32	0.46	0.46

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.

Total Parameters	14
Not Evaluated Parameters	0
Evaluated Parameters	14
Outlier Parameters (X)	0
EQAS Score Biochemistry	100.00 %

Dr. Nigam

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

End of Report

CAPA taken for ALT, outlier.

The leftover EQAS was thawed, mixed & rerun on 20/3/21
 The new value came as 17.3 U/L which gives
 a Z score of less than 2%. Hence the
 previous result submitted was a random error

Dr. S.K. Hira
 M.D. (Pathology)
 HIRA CLINICAL LAB
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 Ph.: 01882-255348, 256348, 78143-20022

Hira
 20/3/21

Confirmation of Payment for BB001

From: mhleqas@metropolisindia.com
 To: drskhira@yahoo.co.in
 Cc: vishalwadhwa.n@metropolisindia.com
 Date: Monday, 31 May, 2021, 11:20 am IST

Dear Dr. Hira,

Greetings from MHL-EQAS !!!

This is to confirm that your PT - Program participation has been upgraded to BB001, where you will have additional Tests such as HDL and other chemistry parameters, which can be reported from the upcoming PT round.

Payment for the same has been received and confirmed.

Thanks & Regards,

Metropolis Healthcare Ltd. EQAS (MHL-EQAS)
 Website: <http://eqasplus.com/LabQAS/Login.aspx>

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Lab 187418

HIRA CLINICAL LAB
CIVIL HOSPITAL ROAD,
HOSHIARPUR, PUNJAB, 146001
INDIA

Sample Summary Report
Clinical Chemistry (Monthly) Program

Cycle 19

Jul 2020 - Jul 2021

Sample No: 10

Sample Date: 26 Apr 21

Lot No: 211800



External Quality Assurance Services

Instrument: Roche cobas 6000/8000/c 311/c 503

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Albumin	g/dL	2.47	2.35	1.51	0.29	Peer
✓ ALT (ALAT/GPT)	U/L	25	26.6	-1.56	0.32	Peer
X Amylase, Pancreatic	U/L	83	67.0	8.09	7.36	Peer
✓ AST/GOT	U/L	29	32.5	-1.82	-1.53	Peer
▽ Bilirubin, Direct	mg/dL	0.44	0.499	-2.72	3.69	Peer
▽ Bilirubin, Total	mg/dL	1.2	1.09	2.56	3.53	Peer
X Calcium	mg/dL	5.4	6.01	-3.28	-1.00	Peer
✓ Chloride	mmol/L	78	77.2	0.30	-0.91	Peer
X Cholesterol, Total	mg/dL	79	92.4	-5.00	0.32	Peer
▽ G-Glutamyltransferase	U/L	72	76.5	-2.36	-0.16	Peer
X Glucose	mg/dL	26	30.2	-4.99	-1.10	Peer
✓ Phosphorus	mg/dL	2	1.99	0.21	-0.12	Peer
✓ Potassium	mmol/L	1.9	1.88	0.40	-0.17	Peer
✓ Protein, Total	g/dL	3.7	3.65	0.61	0.42	Peer
✓ Sodium	mmol/L	115	116	-0.53	-1.58	Peer

Instrument: Roche cobas 6000/c 311/c 503

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ Alkaline Phosphatase	U/L	61	64.7	-0.99	-0.47	Peer
✓ Cholesterol, HDL	mg/dL	21	21.2	-0.22	1.17	Peer
✓ Creatinine	mg/dL	3.49	3.67	-1.57	-1.24	Peer
✓ Triglycerides	mg/dL	54	54.9	-0.48	0.49	Peer
▽ Urea	mg/dL	16	14.4	2.92	0.50	Peer
✓ Uric Acid	mg/dL	3	3.13	-1.26	-1.10	Peer

Instrument: Roche Elecsys / cobas e 411 Series

Analyte	Unit	Result	Mean	Z-score	RMZ	Comparator
✓ T3, Free	pg/mL	2.1	2.09	0.08	-1.04	Peer
✓ T3, Total	ng/mL	0.97	0.848	1.84	-0.39	Peer
✓ T4, Free	ng/dL	0.97	0.967	0.06	0.12	Peer
✓ T4, Total	µg/dL	4.95	4.71	0.71	0.07	Peer
✓ TSH	µIU/mL	0.92	0.830	0.76	1.02	Method

Legend: ✓ No Warnings ✎ Missing Result [i] Late Results ▽ 2.0 ≤ |Z-score| < 3.0 X |Z-score| ≥ 3.0

* Amended Result (per participant's request)

ii Non-robust determination of Mean and SD

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Date: _____



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Dr. S.K. HIRA

M.D. Pathology

Regd. No. 26299 (P.M.C.)

DATE : 30 / 05 / 2021

REGARDING EQAS PARTICIPATION FOR HDL CHOLESTEROL

THE LAB HAS BEEN ENROLLED WITH METROPOLIS HEALTHCARE FOR BIOCHEMISTRY EQAS. INADVERTANTLY THE HDL CHOLESTEROL WAS NOT MENTIONED IN EQAS PROGRAMME EARLEIR. WHICH NOW LAB HAS GOT REGISTERED AND SHALL BE PARTICIPATING HDL AND OTHER CHEMISTRY PARAMETERS FOR THE UPCOMING PT ROUNDS. (COPY ATTACHED). HOWEVER LAB HAD BEEN ENROLLED WITH BIO-RAD FOR ALL THE BIOCHEMISTRY PARAMETERS. INCLUDING HDL CHOLESTEROL AND THE RESULT FOR FEBRUAR 2021 CYCLE FOR HDL ALSO WHICH ARE SATISFACTORY, AND COPY ENCLOSE FOR PERUSAL.

Dr. S.K. Hira

M.D. (Pathology)

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