



Metropolis Healthcare Ltd., EQAS

VYAS SUPER SPECIALITY HOSPITAL (1067)

Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 02

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
X Glucose	Erba Chem 7	112.60	mg/dl	4.89
X Bilirubin Direct	Erba Chem 7	0.68	mg/dl	3.56
! Magnesium	Erba Chem 7	0.83	mg/dl	-2.9
! CK	Erba Chem 7	15.68	U/L	-2.71
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: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

04/12/23 18:04:00

000626 DELTA SMP O.D./m 0.0020

Sample - 01

000626 GGT 4.40 IU/L

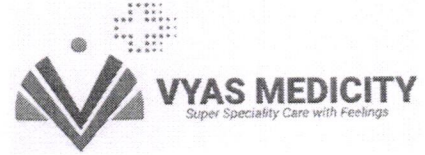
LINEAR REACTION

000627 DELTA SMP O.D./m 0.0076

Sample - 02

000627 GGT 16.73 IU/L

ATTENDANCE SHEET



Topic Of Training: <u>Interpretations of the card Tests.</u>	
Name Of The Trainer: <u>Dr. Ashok Kumar Shah.</u>	Date: <u>25/12/2023</u>
Venue: <u>Central Research Lab VMCH.</u>	Time: <u>1pm to 2pm</u>

SN	Name	Designation	Department	Sign
1.	Hemant Pandit	Lab. Tech.	Central Lab	Hemant
2.	Jindrajeev	Lab Tech.	Central Lab	Jindrajeev
3.	Sharuwan	SR. Lab Tech.	CENTRAL LAB	
4.	Manisha Beniwal	Lab technician	Central lab	Manisha
5.	Anupam maity	lab tech	Central lab	Anupam
6.	Divya Bhati	lab tech.	central lab	Divya

S. No.	Name	Designation	Department	Sign

Signature of Trainer: *[Handwritten Signature]*

ATTENDANCE SHEET



Topic Of Training:	Transcription of reports.		
Name Of The Trainer:	Dr. Anitha Seethu	Date:	26/12/2023
Venue:	Central Research Lab vmcsh	Time:	1pm to 2pm.

SN	Name	Designation	Department	Sign
1	MANISHA BENIWAL	Lab technician	Central Lab	<u>Manisha</u>
2	Hemant Pandit	Lab. Tech.	Central Lab	Hemant
3	INDRAJEET	Lab Techs	Central Lab	<u>Indrajeet</u>
4	SHAWAN GAGLOT	SR. Lab Techs	Central Lab	<u>Shawan</u>
5	Divya Bhati	Lab technician	Central Lab	<u>Divya</u>
6	Anuram Maurya.	Lab Tel	Central Lab	<u>Anuram</u>

S. No.	Name	Designation	Department	Sign

Signature of Trainer: *Anil K*

ATTENDANCE SHEET



Topic Of Training:	Standardization, calibration & Internal & EQAS (EQAS)		
Name Of The Trainer:	Dr. Ashok Kumar Shah	Date:	27/12/2023
Venue:	Central Research Lab Umesh	Time:	1pm to 3pm.

SN	Name	Designation	Department	Sign
1	INDRAJEET	LAB TECHNICIAN	CENTRAL LAB	Indrajeet
2	SHARWAN UCHHOT	SR. LAB TECHNICIAN	CENTRAL LAB	
3	Hemant Pandit	Lab. Tech.	central lab.	Hemant
4	Manisha Beniwal	lab. technician	Central lab.	Manisha
5	Anupam maity	Lab Tech.	Central lab	Anupam
6	Divya Bhati	Lab Tech.	Central lab	Divya

S. No.	Name	Designation	Department	Sign

Signature of Trainer: 

CORRECTIVE & PREVENTIVE ACTIONS FORM



ROOT CAUSE ANALYSIS, CORRECTIVE AND PREVENTIVE ACTION (CAPA)

Non Compliance Reference

No. Samp- 2 Dated 4/12/23
Dept: Biochemistry (Bilirubin Direct)

Date: 21/12/23

Incident EQAS Biochemistry Sample 2 for Bilirubin Direct showed slightly raised result i.e. unacceptable.

Root cause analysis/Investigation : As the quality control was beyond the lower limit i.e. difference are -1.49 ($-1SD$) we got the raised value.

Done By: Shrawan Date & Sign: Shrawan 21/12/23

Tool Used/ Risk Assessment Anesthetic mistake, why why method

Immediate Correction : Couldn't correct as it was already passed next step.

Corrective Action : Issue was identified as for as calibration internal control. we kept the parameter under observation as Bilirubin Direct is calculating factor and it doesn't affect patient directly.

Done By: Shrawan Date & Sign: Shrawan 21/12/23

Preventive Action a) Daily monitoring will be done on daily basis and internal control of both high & low level will be checked until we received another EQAS Sample. b) Training given to lab technicians.

Verification of CAPA Done

Done By: Dr. Anita Seeni Date & Sign: Anita Seeni 21/12/23

Shrawan

Prepared By

Anita Seeni

Immediate Incharge

Anita Seeni

HOD



Metropolis Healthcare Ltd., EQAS

VYAS SUPER SPECIALITY HOSPITAL (1067)

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Outlier Details For Cycle No 230310 and Sample No 02

Report Date : 19/12/2023

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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: _____

04/12/23 17:30:52

000613 SMP O.D. 0.0320

000613 BID 0.38 mg/dl H
sample - 01

000614 SMP O.D. 0.0565

000614 BID 0.68 mg/dl H
sample - 02

ATTENDANCE SHEET



Topic Of Training:	Interpretations of the card Tests.		
Name Of The Trainer:	Dr. Ashok Kumar Shah,	Date:	25/12/2023
Venue:	Central Research Lab VMCH.	Time:	1pm to 2pm

SN	Name	Designation	Department	Sign
1.	Hemant Pandit	Lab. Tech.	Central Lab	Hemant
2.	Indrajeet	Lab Tech.	Central Lab	Indrajeet
3.	Sharwan	SR. Lab Tech.	CENTRAL LAB	Sharwan
4.	Manisha Benival	Lab technician	Central lab	Manisha
5.	Anupam Maity	Lab Tech	Central Lab	Anupam
6.	Divya Bhati	Lab Tech.	Central Lab	Divya

ATTENDANCE SHEET



Topic Of Training: <i>Transcription of reports.</i>	
Name Of The Trainer: <i>Dr. Anitha Sreekar</i>	Date: <i>26/12/2023</i>
Venue: <i>Central Research Lab vmcsh</i>	Time: <i>1pm to 2pm.</i>

SN	Name	Designation	Department	Sign
1	MANISHA BENIWAL	Lab technician	Central Lab	<i>Manisha</i>
2	Hemant Pandit	Lab. Tech.	Central Lab	<i>Hemant</i>
3	INDRAJEET	Lab Techs	Central Lab	<i>Indrajeet</i>
4	SHAWAN GAELOT	SR. Lab Techs	Central Lab	<i>Shawan</i>
5	Divya Bhati	Lab technician	Central Lab	<i>Divya</i>
6	Anupam Maity.	Lab Tel	Central Lab	<i>Anupam</i>

S. No.	Name	Designation	Department	Sign

Signature of Trainer: *Amity*

ATTENDANCE SHEET



Topic Of Training: Standardization, calibration & Internal & EQAS (EQAS)	
Name Of The Trainer: Dr. Ashok Kumar Shah	Date: 27/12/2023
Venue: Central Research Lab Umesh	Time: 1pm to 3pm.

SN	Name	Designation	Department	Sign
1	INDRAJEET	LAB TECHNICIAN	CENTRAL LAB	Indrajeet
2	SHARWAN UCHLOT	SR. LAB TECHNICIAN	CENTRAL LAB	
3	Hemant Pandit	Lab. Tech.	Central lab.	Hemant
4	Manisha Beniwal	Lab. technician	Central lab.	Manisha
5	Anupam maity	Lab Tech.	Central lab	Anupam
6	Divya Bhati	Lab Tech.	Central lab	Divya

S. No.	Name	Designation	Department	Sign

Signature of Trainer: 



Metropolis Healthcare Ltd., EQAS

VYAS SUPER SPECIALITY HOSPITAL (1067)

Outlier And Analyte Summary Report

Outlier Details For Cycle No 230310 and Sample No 03

Report Date : 19/12/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
@ Glucose	Erba Chem 7	115.00	mg/dl	0
@ Uric Acid	Roche cobas c 111	3.60	mg/dl	0
@ Calcium	Roche cobas c 111	7.24	mg/dl	0

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: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Instrument : Erba Chem 7

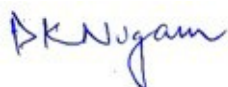
Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Glucose	mg/dl	115.00	77.85	0.00	2.45

Instrument : Roche cobas c 111

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Uric Acid	mg/dl	3.60	4.03	0.00	-0.68
@ Calcium	mg/dl	7.24	7.74	0.00	-0.94
@ Creatinine	mg/dl	0.70	0.70	0.00	-0.67
@ Albumin	g/dL	3.96	4.02	0.00	-0.01
@ ALT	U/L	1.00	0.88	0.00	-0.34
@ AST	U/L	14.60	12.45	0.00	-0.31

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	7
Not Evaluated Parameters	0
Evaluated Parameters	7
Outlier Parameters (X)	0
EQAS Score Biochemistry	100.00 %



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