

PT EQAS RESULT REVIEW FORM

Issued by QA: July 22 05 202 3	
Department:	Month / Year:
Dio Clemiston	Month / Year: May 2023
PT Provider: Metro bolis Healthcare	
Analyte (Test): AST, AIP Bil. D. Uney Crating, Gluco,	, 44TALL ALL BY
Bil. D. Uney Crating, Gluco,	e, ALL, HOMIC, 15,11, 1,
Hotel Pretin, Alb, Unic Aud, Calcium, P	hosping evoluted, Ty, HOL, LPL, P
Machine used: AgAPPE Nisbu CXI pro	Kit used: Agaphe
Test done by:	Done on: 10 05 2023
Report uploaded by:	Report uploaded on: 12/01/202
Software used: online web ported	
EQAS Report received on	
Reviewed by: Approved by:	July 22 0 5 2023
Observations: Bilirubin Direct Vrea	
*If results are ungraded, please attach self-assessme preventive action required. But if unsatisfactory, corrective optimum evidence.	ent.If satisfactory no corrective and and preventive action is required with
Self-Assessment Result: Satisfactory Unsat	isfactory
Attachment: No	
Please investigate failure for unsatisfactory performance a Director in Days.	and submit a report to QA and Medical
Approved by Signature (Lab Director/Designee)	



Instrument

Analyte

Metropolis Healthcare Ltd., EQAS

LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Z-Score

Result Value Standard

			Unit
* Bilirubin Direct	Mispa CXL Pro Plus	0.00	mg/dI *
Urea	Mispa CXL Pro Plus	29.36	mg/dl 2.79
Creatinine	Mispa CXL Pro Plus	1.24	mg/dl 2.12
Legend @:zscore ≤ 2.0	- Acceptable		
: 2.0 < z score	< 3.0 - Warning		
X : z score ≥3 -	Jnacceptable		
# : Not Evaluate	d		
③: Delayed Resu	ult Entry		
* : Not consider	ed for evaluation.		
Problem Classification:	Bilipubin Direct	not Consid	les for evalue
	orea and Creatinin	ease In wo	Ining
Corrective Action: The - YUN	Le Soupe me got		scennz affer
Reviewed by:	0 S1).		Dated: 2.7/2.02.2



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report Result Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Instrument:

Mispa CXL Pro Plus

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
* Bilirubin Direct	mg/dl	0.00	0.08	-3.37 *	0.00
@ Glucose	mg/dl	72.85	71.76	0.32	1.31
[‡] Urea	mg/dl	29.36	24.19	2.79	2.23
Creatinine	mg/dl	1.24	0.86	2.12	1.60
@ Bilirubin Total	mg/dl	0.15	0.18	-0.60	-0.63
@ Total Protein	g/dL	7.18	6.89	0.39	0.32
@ Albumin	g/dL	4.22	4.02	0.97	0.85
@ Uric Acid	mg/dl	5.61	5.51	0.62	0.64
@ Calcium	mg/dl	9.85	9.98	1.45	1.58
@ Phosphorous Inorganic	mg/dl	5.19	4.87	1.89	1.80
@ Cholesterol	mg/dl	165.09	155.07	0.40	0.41
@ Triglycerides	mg/dI	145.01	126.02	1.02	1.08
@ HDL	mg/dl	35.84	34.49	0.04	-0.11
@ LDL	mg/dl	100.24	94.20	0.66	0.64
@ ALT	U/L	7.74	7.58	0.14	1.42
@ AST	U/L	16.99	16.26	-0.90	-0.78
@ ALP	U/L	60.17	56.37	0.43	0.40
@ GGT	U/L	29.36	26.10	0.81	1.16

Instrument: Sensa Core ST200 Aqua

Analyte	Standard Unit	Result Value	Mean	Z-Score	DMZ
@ Chloride	mmol/L	100.80	103.20	0.11	-0.09
@ Sodium	mmol/L	137.60	135.43	0.48	0.48
@ Potassium	mmol/L	4.65	4.34	0.41	0.33



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report
Result Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Legend @: Acceptable

: 2.0 < z score < 3.0 - Warning

X : z score ≥3 - Unacceptable

#: Not Evaluated

(9): Delayed Result Entry

* : Not considered for evaluation.

21	Total Parameters	
0	Not Evaluated Parameters	
21	Evaluated Parameters	
1	Outlier Parameters (X)	
95.24 %	EQAS Score Biochemistry	
AND DESCRIPTION OF THE PARTY OF		

Akwyam



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)
Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 02

Report Date: 19/05/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
* Bilirubin Direct	Mispa CXL Pro Plus	0.00	mg/dI	,
Glucose	Mispa CXL Pro Plus		mg/dl	2.3
ALT	Mispa CXL Pro Plus	12.72		2.7
Legend @:zscore≤2.0-Acce	ptable			2.1
: 2.0 < z score < 3.0 -	Warning			
X : z score ≥3 - Unacce	eptable			
# : Not Evaluated				
(9): Delayed Result Entr	y			
* : Not considered for	evaluation.			
	unlike Dienel not C	oneicles for executo	bion	
Chicone an	of Alt am in won	uj		
Corrective Action: for run	the Sample we got	the fairful free	ralus.	M
Reviewed by:			h	



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report Result Details For Cycle No 230104 and Sample No 02

Report Date: 19/05/2023

Instrument:

Mispa CXL Pro Plus

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
* Bilirubin Direct	mg/dl	0.00	0.07	-3.03 *	
! Glucose	mg/dI	86.69	80.48		0.00
@ Urea	mg/dl	30.48		2.30	1.31
@ Creatinine	mg/dl	1.09	27.03	1.66	2.23
@ Bilirubin Total	mg/dl		0.90	1.07	1.60
@ Total Protein		0.15	0.17	-0.65	-0.63
@ Albumin	g/dL	7.08	6.98	0.24	0.32
@ Uric Acid	g/dL	4.20	4.03	0.72	0.85
	mg/dl	5.90	6.05	0.66	0.64
@ Calcium	mg/dl	9.98	9.94	1.70	1.58
@ Phosphorous Inorganic	mg/dl	5.27	5.12	1.71	1.80
@ Cholesterol	mg/dl	164.35	156.69	0.42	0.41
@ Triglycerides	mg/dI	153.34	140.42	1.14	1.08
@ HDL	mg/dl	33.48	32.55	-0.26	-0.11
@ LDL	mg/dl	100.20	95.72	0.62	0.64
! ALT	U/L	12.72	8.99	2.70	1.42
@ AST	U/L	20.59	19.08	-0.65	-0.78
@ ALP	U/L	62.14	60.61	0.37	
@ GGT	U/L	42.88	41.52	1.51	0.40 1.16

Instrument : Sensa Core ST200 Aqua

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Chloride	mmol/L	98.50	103.08	-0.28	-0.09
@ Sodium	mmol/L	137.90	136.63	0.48	0.48
@ Potassium	mmol/L	4.65	4.41	0.24	0.33



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report
Result Details For Cycle No 230104 and Sample No 02

Report Date: 19/05/2023

Legend @: Acceptable

: 2.0 < z score < 3.0 - Warning

X : z score ≥3 - Unacceptable

#: Not Evaluated

① : 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 %

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LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875) Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Analyte	Instrument	Result Value	Standard Z-Score
No Outlie	r		
Legend	@: z score ≤ 2.0 - Acceptable		
	1 : 2.0 < z score < 3.0 - Warning		
	X : z score ≥3 - Unacceptable		
	# : Not Evaluated		
	③ : Delayed Result Entry		
	* : Not considered for evaluation.		
Problem (Classification: No outline found R	esult Sa	Hisfactory
Corrective	Action: Not Required		
Reviewed	by:		Dated: 22/05/2023



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report
Result Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Instrument:

Mispa CXL Pro

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ HbA1c	%	8.14	8.92	-0.56	0.10
Legend @: Acceptable					
: 2.0 < z score < 3.0 - Warning	z z score < 3.0 - Warning		Parameters	1	
X : z score ≥3 - Unacceptable			Not Evaluated Parameters		0
# : Not Evaluated		Evaluated Parameters			1
③ : Delayed Result Entry		Outlier Parameters (X)		0	
* : Not considered for evaluation.			EQAS S	core HbA1c	100.00 %

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LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875) **Outlier And Analyte Summary Report**

Outlier Details For Cycle No 230104 and Sample No 02

Report Date: 19/05/2023

Analyte	Instrument	Result Value	Standard Unit	Z-Score
No Outlier				
Legend (@ : z score ≤ 2.0 - Acceptable			
	: 2.0 < z score < 3.0 - Warning			
	X : z score ≥3 - Unacceptable			
	# : Not Evaluated			
(9 : Delayed Result Entry			
	* : Not considered for evaluation.			
Problem Cl	assification:	all Resu	formel	
	Salisfactory			
Corrective A	Action:			
	There il No Mud	o correcti	ve ac	fion
		7 601041	ic ac	11081
		<u> </u>		
Reviewed b	y: yagagagagagagagagagagagagagagagagagagag		Dated: 22	26/2023
	THE TOTAL THE			



LIFEWELL DIAGNOSTICS PVT LTD (LAJPAT NAGAR) (875)

Outlier And Analyte Summary Report
Result Details For Cycle No 230104 and Sample No 02

Report Date: 19/05/2023

Instrument:

Mispa CXL Pro

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ HbA1c	%	9.51	10.04	0.75	0.10
Legend @: Acceptable		1	T-4-1	n	
: 2.0 < z score < 3.0 - Warning				Parameters	1
X : z score ≥3 - Unacceptable			Not Evaluated	Parameters	0
#: Not Evaluated			Evaluated	Parameters	1
③ : Delayed Result Entry			Outlier Para	ameters (X)	0
★ : Not considered for evaluation.			EQAS S	core HbA1c	100.00 %

Akwyam



Issued by QUA: Charles 22 05/20	23 1		
Department	Dio Chen	netry	
PT provider	MHL	.01	
Survey Name:			
Date Survey received	07 May 2023	Date Analysis Performed:	08/05/2023
Date Survey Results Submitted	17/5/202)	Date Results received:	12 05 10m

Investigation performed by	Any Kong	1 Point Cyapter 1 Abustion
Lab director	Dr Dankerdi	Date 29/05/2023

Unacceptable Result	1		
Specimen No.	Sempre No. 1	Analyte	0.11 11 01 1
Reported result	0.00	Intended result/range	Bilimbia Direct
Acceptable Lower Limit	0.04	Acceptable Higher	0.16
SD	0:03	CV%	27.35

Specimen No.	Sauph No.02	Analyte	20 11 6
Reported result	0.00	Intended result/range	Rilandoin D
Acceptable Lower Limit	0.038	Acceptable Higher Limit	0:135
SD	0.03	CV%	24125

Unacceptable Result 3 Specimen No.	I Amelida	
and the state of t	Analyte	
Reported result	Intended result/range	
Acceptable Lower	Acceptable Higher	
Limit	Limit	
SD	CV%	

EVALUATION OF POSSIBLE SOURCES OF ERROR

Clerical	Yes	No	N/A
Incorrect transcription of the result from the instrument read-out or report? (Check the raw data.)			/
Incorrect instrument/method/reagent reported on the result form (Check instrument log book)			_
Mis-match of the units of measure between the result form and the instrument results			1
Incorrect decimal placement			-
Errors in calculations.			/
Mis-match between result reported on the 'result form' and on the 'proficiency testing evaluation report'			1
Mis-match between result reported on the 'result form' and on the 'proficiency testing evaluation report'			1

LW/DIA/LAB/GEN/SOP-010/FOM-01

Effective Date: 02-08-2022

Page 1 of 5



	_
A response of "Yes" to any of these questions may indicate a clerical error.	
Although reporting of PT results is unlike those for patient results, clerical errors need for additional staff training, review of instructions provided with PT or inverse reporting format provided by the testing device. If results reported on the result for the results found on the evaluation report, please contact PT provider.	estigation of the

Procedural	Yes	No	N/A
Written procedure not followed			1
Improper preparation of reagents			-
Reagents open stability not within acceptable range			-
Faulty standards run			-
Unacceptable IQC results (Run accepted in non-linear range/though controls were out of range)			-
Incorrect interpretation of microscopic examinations			-
Incorrect dilution or pipetting error			-
Incorrect staining or interpretation			-
Time delay between reconstitution and analysis			1
Media preparation related			1
Antibiotic disc potency		-	-
Any other procedural problem	-		-
			/

A response of "Yes" to any of these questions may indicate a procedural error. These errors indicate inappropriate operation of equipment or performance of a method.

A review of the instructions provided with the proficiency testing material and/or review of laboratory procedures may be required.

	N/A
	-
	-
	1
	1
3	

A response of "Yes" to any of these questions may indicate an analytical error. These types of errors could indicate a failure to follow recommended instrument maintenance and calibration.



Specimen handling	Yes	No	N/A
Survey specimens not reconstituted as indicated in the Kit Instructions			_
Survey specimens not stored as indicated in the Kit Instructions			/
Special instructions provided in the Kit Instructions not performed as indicated			/
Correct tests not performed on the correct vial of proficiency testing material			/
Survey specimen mix-up			
Any other problem related to specimen handling?			1

A response of "Yes" to any of these questions may indicate a specimen handling error. These types of errors could indicate a failure to read the material provided with the Surveys materials.

PT Material	Yes	No	N/A
Late shipment		1	1077
Hemolysed sample		1	
Bacterial contamination			
Perceived survey bias			
Poor growth in culture	-		
Unstable PT material	-	_	
Matrix effect incompatible with method	-	+	
No comparable peer group		1	
Inappropriate peer group based on method reported on result form			
Acceptable range too low			
Any other problem?			

A response of "Yes" to any of these questions may indicate a problem with the PT material. If a delay in receipt of material in the laboratory is an issue, ensure timely receipt of Surveys after arrival in the institution. If you believe your result was compared to an inappropriate peer group, verify the method reported on the result form. Contact PT provider for additional information if needed.

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SUMMARY REPORT



Root-cause analysis
After Cheste Mainsance Ig C and Calibration: Then are found Surperted to be Renelow secon
Than are found Surperted to be Renelow seeson
Corrective Action proposed
Egans Referenced Somple ocerum seenell Come. Bilimbis
Debut - Saufite 1 + 0.07 Souper 2 + 0.07 Whom In acceptable
Souper 27 0.07 Whom In acceptable
Corrective Action taken (To be filled within 30 days of receipt of EQAS result)
we have quick to an technical Hall toproper
Me have quiet to due faction of Justania and offer Maintaining and De report declared.
and De report decland.
Evidence that problem is solved after corrective action (To be attached)
Reuve data attached
Preventive Action (if any) proposed:



NA

Conclusion and future plan if no evidence found:

Linstly Vousication by one fectuicion and Second vaccifraction by had Ducker

Recorded by (Sign / Date)	Sur Bisola how
Reviewed by Lab/Medical Director (Sign / Date)	De animation (von
Reviewed by Head – QA (Sign / Date)	