

#### PT EQAS RESULT REVIEW FORM

Issued by QA:	
Department: Haematolousy	Month / Year: MAY - 2023
PT Provider: METROPOLIS MHL EQAS	Distribution / Lot No: 23이어 63
Analyte(Test): TLL, RBC (owt, Hamoglobin, HCT, ROW Cr/	MW, MCH, MCHC, Plit Cout,
Machine used: ADVIA 560 (STEMENS)	Kit used: AOVIA STO (STEME)
Test done by: RfH Ka	Done on: 15/5/20>3
Report uploaded by: AMET KUMARZ	Report uploaded on: 14/5/>0>3
Software used: METRO POLIS MHL EQ43	NO
EQAS Report received on 952023	NA DR. SHWETA AHOJA
Reviewed by: AMFT KUMAR KULDER Approved by:	_
Observations: ALL' EE AS RISULT IS Satis	Factory With 88.897.
Observations: ALL'ERRAS RESULT IS SATIS SLOVE EXCEPT TIL RESULT, due to SI	unit likeur After
SI unit Correction TLL Result vale Range.	e is within Acceptable
*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 Unsati	sfactory
Attachment: Yes No	
Please investigate failure for unsatisfactory performance at Director in Days.	nd submit a report to QA and Medical
Approved by DQ. SHWETA ANOTA.	
Signature (Lab Director/Designee)	



LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)
Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 03

Report Date: 19/05/2023

Analyte	Instrument			F	Result Value		Z-Scor
* Total Leucocytes (WBC) count	ADVIA 560					Unit	
Legend @:z score ≤ 2.0 - Accepta					1.50	/c.mm	
: 2.0 < z score < 3.0 - W							
X : z score ≥3 - Unaccepta							
# : Not Evaluated							
⊙: Delayed Result Entry					Λ	B <sup>a</sup> was	
* : Not considered for eva	luation.			h t la d		15/2023	
oblem Classification: TLC OS Per ST	SI Uni duxing in ()	t ilkul EDAS Cæges	. TL RES	C Vol	1 2 1	orongly of Hell.	iled
rrective Action:Follows	) the	Same	ΪŊ	next	Gl	<b>a</b> •	
riewed by:	В						
0/5/10		Gus				Dated: 21	<u> </u>
		Wel	Diag				



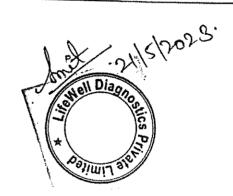
LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)

Outlier And Analyte Summary Report Result Details For Cycle No 230104 and Sample No 03

Report Date: 19/05/2023

Instrument: ADVIA 560

Analyte					
@ Erythrocyte (RBC) Count	Standard Unit	Result Value	Mean	Z-Score	RMZ
	mili/cu.mm	1.03	1.04	-0.04	-0.61
* Total Leucocytes (WBC) count @ Haemoglobin	/c.mm	1,50	1280.00	-13,99 *	0.00
	g/dL	3.10	2.84	1.73	1.16
@ MCV (Mean Corpuscular Volume)	fL	116.70	112.06	0.54	0.30
@ MCH (Mean Corpuscular Hb)	pg	29.70	27.37	1,42	1.29
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	25.40	24.39	1.16	1.12
@ Platelet Count	1000/ µL	27.00	30.00	-0.70	-0.81
@ Hematocrit	%	12.00	11.70	0.58	-0.06
@ RDW CV%	%	25.50			
Legend @: Acceptable		20.00	24.53	1.43	0.66
1:2.0 < z score < 3.0 - Warning			Total P	'arameters	9
X : z score ≥3 - Unacceptable	THE SAME AND ADDRESS OF THE SA	1	Not Evaluated P	arameters	0
#: Not Evaluated			Evaluated P	arameters	9
Delayed Result Entry			Outlier Parar	neters (X)	1
* : Not considered for evaluation.		EQAS:	Score Haematolo		88.89 %



DKNJam

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



#### PT EQAS RESULT REVIEW FORM

Issued by QA:	
Department: Haumatoloesy	Month / Year: MAY - 2023
PT Provider: METROPOLIS MHLEQAS	Distribution / Lot No: 230104/04
Analyte (Test): TLC, RBC count, Harmeylobin, MU, HCT, ROWCUY.	MU, MUC, PU count,
Machine used: ADVIA 560 (SIEMENS)	Kit used: ADVIA 560 (SZENEW
Test done by: 185/2023 RitikA	Done on: 1952023
Report uploaded by: 1415/2023 AMLT KUMAR	Report uploaded on: 14/5 2023
Software used: METROPOLIS MHL EQAS	
EQAS Report received on 19 52023	
Reviewed by: AMIT KUMAR KULDEGAPPROVED by:	DR. SHWETA AHUJA
Observations: ALT ECRAS RESULT IS SUB- SCORE EXCEPT TLC RESULT, due to SI UNIT COTTER D'ON TLC ROSULT Acceptable Ronge.	STARTSBY WITH 88.57%. SI UNET JOSUL AFTURE valle is within
*If results are ungraded, please attach self-assessme preventive action required. But if unsatisfactory, corrective optimum evidence.	nt.lf satisfactory no corrective and and preventive action is required with
Self-Assessment Result: Satisfactory Unsatis	sfactory
Attachment: Yes No	
Please investigate failure for unsatisfactory performance ar Director in 3 Days.	nd submit a report to QA and Medical
Approved by DR. SHWETA AHOJA	
Signature (Lab Director/Designee)	



LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)
Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 04

Report Date: 19/05/2023

Analyte	Instrument	Result Value Standard	Z-Score
* Total Leucocytes (WBC) count	ADVIA 560	Unit	
Legend @:zscore≤2.0-Acco	Potable	8,48 /c.mm	*
: 2.0 < z score < 3.0	- Warning		
X : z score ≥3 - Unacc	eptable		
#: Not Evaluated			
③: Delayed Result Entr	у		
* : Not considered for		A: P 1	
roblem Classification: IL  OR  i.e 103   Cumm    Cumm  orrective Action: Follo			filled witted H s
eviewed by:	2 <sup>3</sup>	Dated: 2	15/2023



LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)

Outlier And Analyte Summary Report
Result Details For Cycle No 230104 and Sample No 04

Report Date: 19/05/2023

Instrument: A

ADVIA 560

Analyte	Standard Unit				
@ Erythrocyte (RBC) Count		Rosult Value	Mean	Z-Score	RMZ
Total Leucocytes (WBC) count	mill/cu.mm	2.15	2.25	-1.17	-0,61
@ Haemoglobin	/c.mm	8.48	9720.00	-10.24 *	0.00
MCV (Mean Corpuscular Volume)	g/dL	7.70	7.78	0,59	1.16
MCH (Mean Corpuscular Hb)	fL.	131.50	132.10	0.06	0,30
MCHC (Mean Corpus and a second a second and a second and a second and a second and a second a second and	pg	35.90	34.61	1.15	1.29
MCHC (Mean Corpuscular Hb Concentration)     Platelet Count	g/dL	27.30	26.20	1.07	1.12
2 Hematocrit	1000/ µL	211.00	224.00	-0.92	-0.81
PRDW CV%	%	28,30	29.88	-0.70	-0.06
	%	16.90	19.10	-0.11	0.66
Legend @: Acceptable				~	
: 2.0 < z score < 3.0 - Warning			Total F	Parameters	9
X ; z score ≥3 - Unacceptable			Not Evaluated F	arameters	0
#: Not Evaluated			Evaluated P	arameters	9
O : Delayed Result Entry			Outlier Para		1
* : Not considered for evaluation.		EQAS	Score Haemato		88.89 %



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



#### PT EQAS RESULT REVIEW FORM

Issued by QA:	
Department: Haematoloby	Month / Year: MAY- 2023
PT Provider: METROPOLTS MHL ECAS-	Distribution / Lot No: 230 04 01
Analyte (Test): Newtrophil, Lymphocyte, Esti	nophil.
Machine used: MicroScopic	Kit used: Microscopic
Test done by: MI Croscopy by DR. SHWEAA	Done on: 12/5/2023
Report uploaded by: AMIT NUMAR	Report uploaded on: 14/5/2023
Software used: METROPOLIS MHL EXAS	
EQAS Report received on 19 5 2023	
Reviewed by: DQ. SHWETA AHWA Approved by:	
Observations: ALL teas Rosurt with with 100.0% Score. Eevas Satisfac	₹.
*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 Unsati	sfactory
Attachment: Yes No	
Please investigate failure for unsatisfactory performance are Director in Days.	nd submit a report to QA and Medical
Approved by DQ. SHWETA AHUJA	
Signature (Lab Director Designee)	



LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)
Outlier And Analyte Summary Report

Outlier Details For Cycle No 230104 and Sample No 01

Hoport Date: 19/05/2023

	Sittles betails for Gyola No	rea ion and Sample (10 d.)	Report Date: 19/03/2424
Analyte	Instrument		Standard Unit
No Outlier		Rosult Value	Standard our
Legend @: Acceptable			tive communication (the communication desired (types about 10 miles) and 10 miles (types about 10 miles) and 10 miles) and 10 miles (types about 10 miles) and 10 miles) and 10 miles (types about 10 miles) and 10 miles) and 10 miles (types about 10 miles) and 10 mi
X : Unacceptable			
# : Not Evaluated			
O Delayed Result Entry		•	
roblem Classification:	A	11 results low	ind Satisfact
	1.P		
orrective Action:			
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		1	
eviewed by:		!	Dated: 2115/2021
<b>→</b> ✓		Hell Diagnostics of	mil 0115/2023

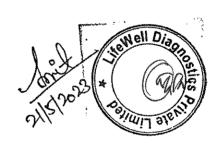


LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH) (880)
Outlier And Analyte Summary Report

Result Details For Cycle No 230104 and Sample No 01

Report Date: 19/05/2023

Analyte			
@ Neutrophil.	Standard Unit	Result Value	Accepted Value
@ Lymphocyte.	<u>-</u>	40-70%	40-70%
@ Eosinophil.	•	20-40%	20-40%
Legend @: Acceptable	-	<6%	<6%
②: Acceptable		Total Parameters	3
X : Unacceptable		Not Evaluated Parameters	
#: Not Evaluated		Evaluated Parameters	3
⊙: Delayed Result Entry		Outlier Parameters (X)	0
They can testak Entry	EQAS Score Haem	atology-PS Slide Count Qualitative	100.00 %



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



Issued I	by Q	UA:
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Department	Hoematology	
PT provider	IMAL EORS	
Survey Name:	MHL EQAS 230104	7
Date Survey received	07-5-2023 Date Analysis Performed:	12-5-2023
Date Survey Results Submitted	12-5-2023 Date Results received:	22-5-2023

Investigation performed by	AMIT	KUMAR	
Lab director	DR.SHW	ETA Date	122-5-2023

Specimen No.	Λ3	Analyte	TLC
Reported result	1.5	Intended result/range	1500
Acceptable Lower Limit	775.62	Acceptable Higher Limit	1672.9
SD	224.32	CV%	20.50

Specimen No.	<b>0</b> 4	Analyte	TTLC
Reported result	8-48	Intended result/range	८५8०
Acceptable Lower Limit	7824.96	Acceptable Higher Limit	11615.04
SD	947.52	CV%	9.75

Specimen No.	Analyte	
Reported result	Intended result/range	
Acceptable Lower Limit	Acceptable Higher Limit	
SD	CV%	

#### EVALUATION OF POSSIBLE SOURCES OF ERROR

Clerical	Yes	3 No. 3	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)			<u></u>
Mis-match of the units of measure between the result form and the instrument results			
Incorrect decimal placement			
Errors in calculations.			
Mis-match between result reported on the 'result form' and on the 'proficiency testing evaluation report'			
Mis-match between result reported on the 'result form' and on the 'proficiency testing evaluation report'			



Any other clerical problem?		<u> </u>	•
			_
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, cle need for additional staff training, review of instructions provided with reporting format provided by the testing device. If results reported match the results found on the evaluation report, please contact PT pa	erical error	's may in restigatio sult form	dicate a

Written procedure not followed	Yes	No	N/A
improper preparation of reagonts			1
Reagents open stability not within a second in the second			
7			
Unacceptable IQC results (Run accepted in non-linear range/though controls were out of range)			-
Incorrect interpretation of microscopic			
The state of the s			
micon eci staining or interpretation		ĺ	1_
Time delay between reconstitution and analysis			•
modia higharation telated			1_
Antibiotic disc potency			
Any other procedural problem			1
• • • • • • • • • • • • • • • • • • • •			
		1	

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.

Most recent calibration unacceptable or not within established stability limits at the time of PT	Yes	No	N/A
Instrument repaired or replaced recently at time of PT run			
Review of past P1 results indicate unevenly distributed data			
into raco result flot Within the measuring range for the installed			
reastilistrument maintenance performed on schedule?			<u></u>
Review of records indicate there was related in the second		Y	
value in the inverse in the in			1
Any other analytical problem?			<u> </u>

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.

Effective Date: 01-03-2022



Specimen handling	Yes	No	N/A
Survey specimens not reconstituted as indicated in the Kit Instructions			1
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			<u> </u>
Survey specimen mix-up			
Any other problem related to specimen handling?			
A response of "Yes" to any of these questions may indicate a specimen types of errors could indicate a failure to read the material provided with the	handling	error.	These

PT Material	Yes	No	N/A
Late shipment			``
Hemolysed sample	<b>1</b>		
Bacterial contamination			3
Perceived survey bias			
Poor growth in culture			
Unstable PT material		1	• -
Matrix effect incompatible with method			
No comparable peer group			
Inappropriate peer group based on method reported on result form		<del></del>	
Acceptable range too low			
Any other problem?			
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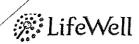
A response of "Yes" to any of these questions may indicate a problem with the PT material. If a delay in receipt of material in the laboratory is an issue, ensure timely receipt of Surveys after arrival in the institution. If you believe your result was compared to an inappropriate peer group, verify the method reported on the result form. Contact PT provider for additional information if needed.

TYes	No	NIΔ	San garantana na jagon
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			······································
			_
	Yes	Yes No	Yes No N/A

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

Effective Date: 01-03-2022

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#### SUMMARY REPORT

Root-cause analysis

UNIT issue found.

Corrective Action proposed

unit changed as required.

Corrective Action taken (To be filled within 30 days of receipt of EQAS result)

Unit changed done ofter that EQAS TIC result found within the ±25d limits.

Evidence that problem is solved after corrective action (To be attached)

Attachin instrument printant, EOAS
Report.

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

Effective Date: 01-03-2022

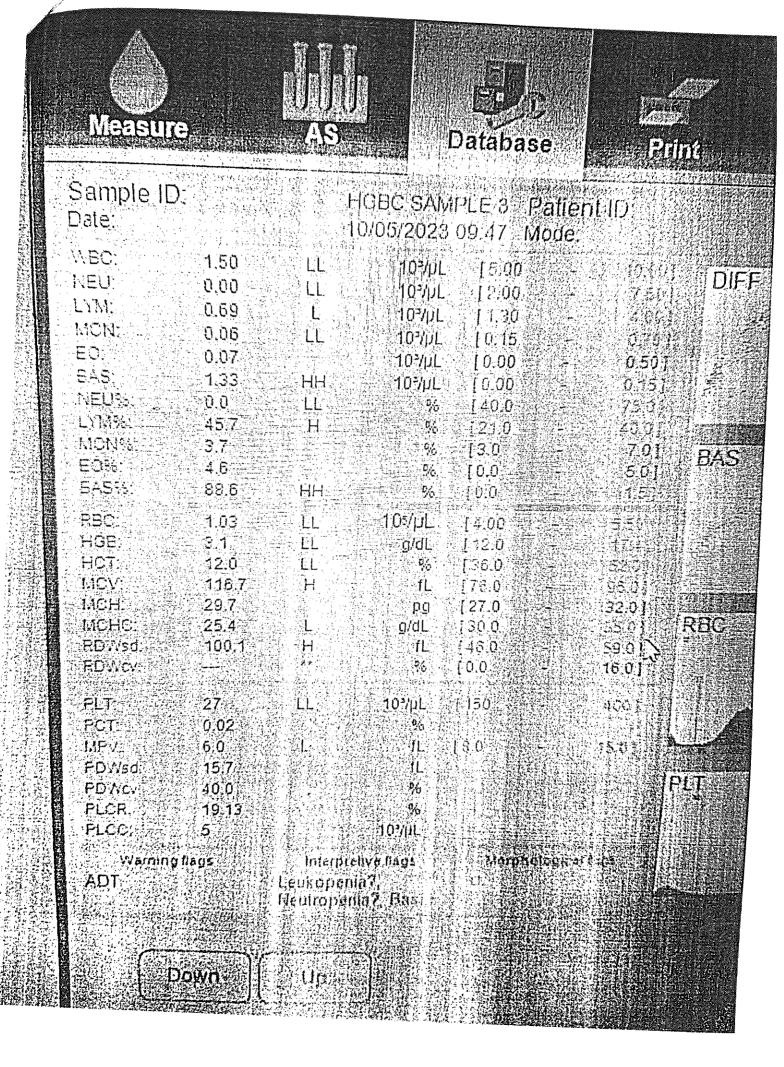
Page 4 of 5

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lab in	charge	lab	head	01	ULL	10
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•	Conclusion and future plan if no evidence found:
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	and future plan if no evidence found:
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	Joseph .
Recorded by (Sign / Date)	22-5-2023
Reviewed by Lab/Medical Director (Sign / Date)	Amela 22-5-2023
Reviewed by Head – QA (Sign / Date)	Wait 22-5-2023
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	BAS:	0.20		107/j.L		0.50]	
	NEUR:	0.0		10 <sup>2</sup> /µL		0.15]	
	LAMPA	20.3		%		75.0	
S 1 123	MONSE	5.6		11	[21.0] [3.0]	+ 40.0; - 7.0]	
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		131.5	H	Ĺ	The second of th	58.6 kg	
	. MCH:	35,9	H	Pg	j27.0 F		
	MCHO:	27.3		g/dL <sub>=</sub>	[30.0		RBG
	FDWsd	100.2	H		148.0		
	RDWo.				10.0	الهاد	
	-PLT:	211		10³/µL	[150	400]	
	ECT	0.16					
		7.5			(0.0		
	FD/45d	15.2		1.			TIC
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		温和道					
			n tembr	<b>T</b>			
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