

#### PT EQAS RESULT REVIEW FORM

issued by QA.	
Department: Hematologg CBC	Month / Year: Mcy - 2023 Distribution / Lot No: 230104
PT Provider: MHL EQAS	Distribution / Lot No: 230104
Analyte(Test):	
Machine used: Advia 560	Kit used: Advia 560
Test done by: Ritika	Done on: 12-5-2023
Report uploaded by: Amit Kumas	Report uploaded on: 12-5-2023
Software used: & MHL PORTAL	8
EQAS Report received on 22-5-2023	±4.
Reviewed by: Amit Kumar. Approved by:	
observations: ALL RESULT Received is shows ±350 deviation de after the unit correction Vo	satisfactory, TLC e to unit 1884e lue is acceptable var
*If results are ungraded, please attach self-assessm preventive action required. But if unsatisfactory, corrective optimum evidence.	ent.lf satisfactory no corrective and
	tisfactory
Attachment: Yes No	
Please investigate failure for unsatisfactory performance Director in Days.	and submit a report to QA and Medical
Approved by Signature (Lat Director/Designee)	



# LifeWell INVESTIGATION FORM FOR UNACCEPTABLE PT/EQAS RESULTS

Issued by QUA:
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Issued by QOA.	* '	
Department	Hoemato 10 gg	
PT provider	MAL EOAS	
Survey Name:	MHL FOAS 230104	
- O Transpired	07-5-2023 Date Analysis Performed: 12-5-2	
Date Survey received Date Survey Results Submitted	0 7 3 - 202	1023
Date Survey Results Submitted	1 2 - 3 - 20 2 3	

	· · · · · · · · · · · · · · · · · · ·	
Investigation performed by	LAMIT KUMAR	
Investigation performed by		22-5-2023
Lab director	DR. SHWETA Date	ZZ 3 ZUZ
Lab di coto:		

Unacceptable Result 1	CONTRACT CONTRACT PROPERTY		AUSBOOT TAIL STATES
Specimen No.	1 ^ 2	Analyte	TLC
Reported result	1.5	Intended result/range	1500
Acceptable Lower	775.62	Acceptable Higher	1672.9
Limit		Limit CV%	20.50
SD	1224.32	C V 70	70 30

Unacceptable Result 2			
Specimen No.	1 04	Analyte	TLC
Reported result	8-48	Intended result/range	१५४०
Acceptable Lower	7824.96	Acceptable Higher Limit	11615.04
SD	947.52	CV%	9.75

- Ll		
Unacceptable Result 3 Specimen No.		Analyte
Reported result	440.47662.4	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.)			<b>/</b>
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			
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'			



### INVESTIGATION FORM FOR UNACCEPTABLE PT/EQAS RESULTS

Any other clerical problem?			<b>/</b>
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 need for additional staff training, review of instructions provided with PT reporting format provided by the testing device. If results reported on match the results found on the evaluation report, please contact PT provided	al errors or inve	estigatio	on of the

Procedural	Yes	No	N/A
Written procedure not followed			
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			1
Incorrect dilution or pipetting error			
Incorrect staining or interpretation			· _
Time delay between reconstitution and analysis			
Media preparation related			
Antibiotic disc potency .			1
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.

Analytical	Yes	No	N/A
Most recent calibration unacceptable or not within established stability limits at the time of PT			)
Instrument repaired or replaced recently at time of PT run			
Review of past PT results indicate unevenly distributed data or a bias			
Intended result not within the measuring range for the instrument			
Was instrument maintenance performed on schedule?		V	
Review of records indicate there was related instrument/test problems noted prior to or after the PT was performed			~
Any other analytical problem?			

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



## INVESTIGATION FORM FOR UNACCEPTABLE PT/EQAS RESULTS

O simen handling	Yes	No	N/A
Specimen handling  Specimen handling			<b>√</b>
Survey specimens not reconstituted as indicated in the Kit Instructions			
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			<b>/</b>
material			
Survey specimen mix-up Any other problem related to specimen handling?			
	A. A		

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.

DT Metorial	Yes	No	N/A
PT Material	300.000		
Late shipment			
Hemolysed sample			<b>√</b>
Bacterial contamination			1/
Perceived survey bias			
Poor growth in culture			1
Unstable PT material			
Matrix effect incompatible with method			
At a see ble poor group			
Inappropriate peer group based on method reported on result form			1
Acceptable range too low			
Any other problem?			~
	τ.		
The State of Charles and Charles States			

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.

Miscellaneous	Yes	No	N/A
Was analysis performed by technically competent personnel? (Check technical competence records)	<u></u>		
Were all patient reports satisfactory on day of run? (i.e. there were no patient complaints)	<u> </u>		
Were the results of rerun (where possible) the same?			•
Any other actions (please specify)			



#### INVESTIGATION FORM FOR UNACCEPTABLE PT/EQAS RESULTS

#### SUMMARY REPORT

Root-cause analysis

UPIT issue found.

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 Printout, EQAS
Report.

Effective Date: 01-03-2022

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# LifeWell !

#### INVESTIGATION FORM FOR UNACCEPTABLE PT/EQAS RESULTS

Preventive Action (in				
Rogalt c	vill review	after or	betore	
Submittir	y on the	Portal	by the	
lab inch	orges lab	head or	before by the Clab director	,7 ,

Conclusion and future plan if no evidence found:

Result will review often or before Submitting on the portal by the lab inchange, manager and lab head or Director.

	\ 3 <sup>2</sup> /
Recorded by (Sign / Date)	22-5-2023
Reviewed by Lab/Medical Director (Sign / Date)	Quela 22-5-2023
Reviewed by Head – QA (Sign / Date)	Wast 22-5-2023



#### **Analyte Methodwise Result Report**

Lab: 880

Lab Name: LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH)

Cycle No: 230104 Sample No: 03

Report Date: 19/05/2023

Sample Date: 14/04/2023

Haematology - CBC	, Total L	.eucocytes	(WBC)	count, /c.mm
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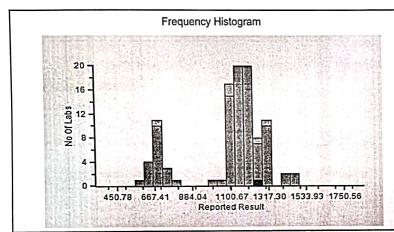
Comparative Statistics	N	Mean	SD	CV%	Excluded
All Methods	167	1,099.66	217.27	19.76	48
Impedance - (Your Method)	142	1,094.34	224.32	20.50	36
ADVIA 560 - (Your Analyzer)	7	1,280.00	0.00	0.00	6

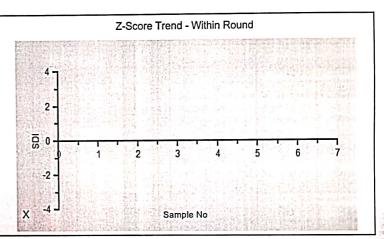
Evaluation Based On - Equipment wise	Peer Grouping		
Your Result	1.50	SDI / z-Score	*
Assigned Value	1,224.26	Average SDI	0.00
SDPA	87.400	Uncertainity of AV	14.96
Standard Unit Result Val	1.50	%DEV	-99.88

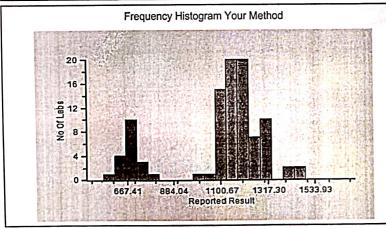
Note:

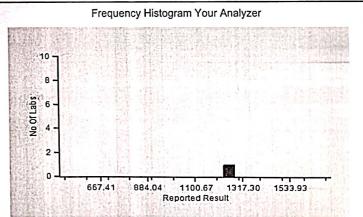
# - Not evaluated / Bimodal distribution

X: SDI more than 4













## Analyte Methodwise Result Report

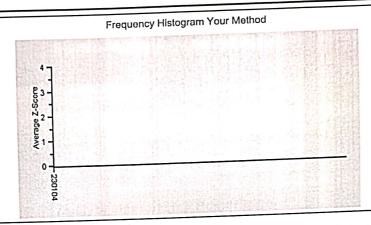
Lab: 880

Lab Name: LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH)

Report Date: 19/05/2023

Cycle No: 230104 Sample No: 03

Sample Date: 14/04/2023



Note:

SDI with \* marked are not considered for evaluation

#### Comments:

aematology - CBC, Total Leucocytes (WBC) count		N	Mean	SD	cv%	Excluded
		167	1,099.66	217.27	19.76	48
	All Analyzer	7	1,280.00	0.00	0.00	
Your Analyzer:	ADVIA 560	24	1,159.33	35.95	3.10	
	Beckman Coulter DxH 560	19	1,140.63	61.26	5.37	
	Beckman Coulter DxH 520	19	671.54	53.05	7.90	
	Horiba Yumizen H500	18	1,153.85	61.17	5.30	
	Beckman Coulter DxH 500	17	1,153.85	61.17	5.30	
	Beckman Coulter DxH 500	12	656.25	109.54	16.69	
	Horiba Yumizen H550 Sysmex XP-100	9	1.320.00	83.67	6.34	

Remarks: Interpretation of your reports

- a) If your SDI lies between +/- 2.0 SDI then your results are well within limits.
- b) If your SDI lies between +/-2.0 to 2.99 SDI then it is a warning alert flag.
- c) If your SDI is +/- 3.0 SDI or more then it is an action alert flag.

Interpretation when an analyte is reported for multiple samples in a Round:

- a) Reported on 2 samples:
  - Two out of two pass
  - One out of two pass
- Acceptable performance - Review for random error & take action if appropriate
- Both failed
- Unacceptable performance, Review for systematic error
- b) Reported on 3 samples:
  - All pass
  - Two out of three pass
  - · One out of three pass
  - · All failed
- Acceptable performance
- Review for random error & take action if appropriate
- Unacceptable performance, Review for systematic error
- Unacceptable performance, Review for systematic error

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

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#### **Analyte Methodwise Result Report**

Lab: 880

Lab Name: LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH)

Cycle No: 230104

Sample No: 04

Report Date: 19/05/2023

Sample Date: 14/04/2023

Haematology - CBC	, Total Leucocytes	(WBC) count, /c.mm
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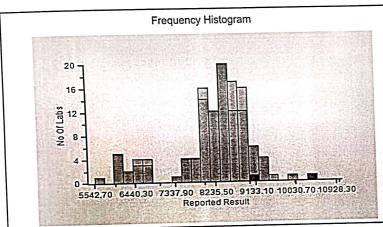
	N	Mean	SD	CV%	Excluded
Comparative Statistics	166	8,233.83	900.93	10.94	38
Methods	142	8,212.39	914.85	11.14	29
Impedance - (Your Method)	7	9,720.00	947.52	9.75	5
MADVIA 560 - (Your Analyzer)					

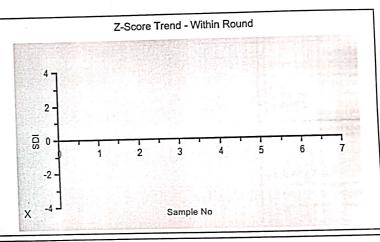
(10001111111111111111111111111111111111			
Evaluation Based On - Equipment wis	e Peer Grouping		
Your Result	8.48	SDI / z-Score	-
Assigned Value	8.617.43	Average SDI	0.00
Assigned value	044.000	Uncertainity of AV	104.38
SDPA	841.000	%DEV	-99.91
Standard Unit Result Val	8.48	%DEV	

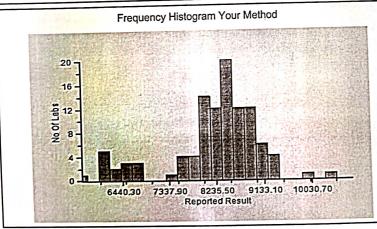
Note:

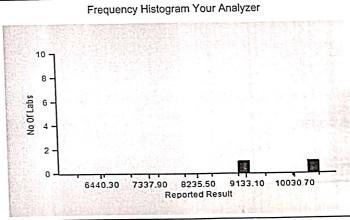
# - Not evaluated / Bimodal distribution

X : SDI more than 4













#### **Analyte Methodwise Result Report**

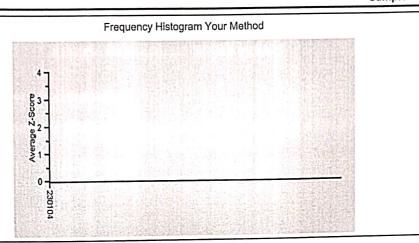
Lab: 880

Lab Name: LIFEWELL DIAGNOSTICS PVT LTD (CHANDIGARH)

Report Date: 19/05/2023

Cycle No: 230104 Sample No: 04

Sample Date: 14/04/2023



Note:

SDI with \* marked are not considered for evaluation

#### Comments:

acmatology 020,	Total Leucocytes (WBC) count	N	Mean	SD	CV%	Excluded
	All Analyzer	166	8,233.83	900.93	10.94	38
Your Analyzer:	ADVIA 560	7	9,720.00	947.52	9.75	5
offection remains	Beckman Coulter DxH 560	23	8,508.67	201.95	2.37	8
	Beckman Coulter DxH 520	19	8,315.63	520.99	6.27	3
	Horiba Yumizen H500	19	6,641.33	859.95	12.95	4
	Beckman Coulter DxH 500	18	8,166.43	229.03	2.81	4
	Beckman Coulter DxH 500	17	8,144.62	222.73	2.74	4
Maria de la companya	Horiba Yumizen H550	12	7,541.11	1,091.00	14.47	3
	Sysmex XP-100	9	8,671.43	390.36	4.50	2

Remarks: Interpretation of your reports

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- Acceptable performance
- · Two out of three pass
- Review for random error & take action if appropriate
- · One out of three pass
- Unacceptable performance, Review for systematic error
- All failed
- Unacceptable performance, Review for systematic error

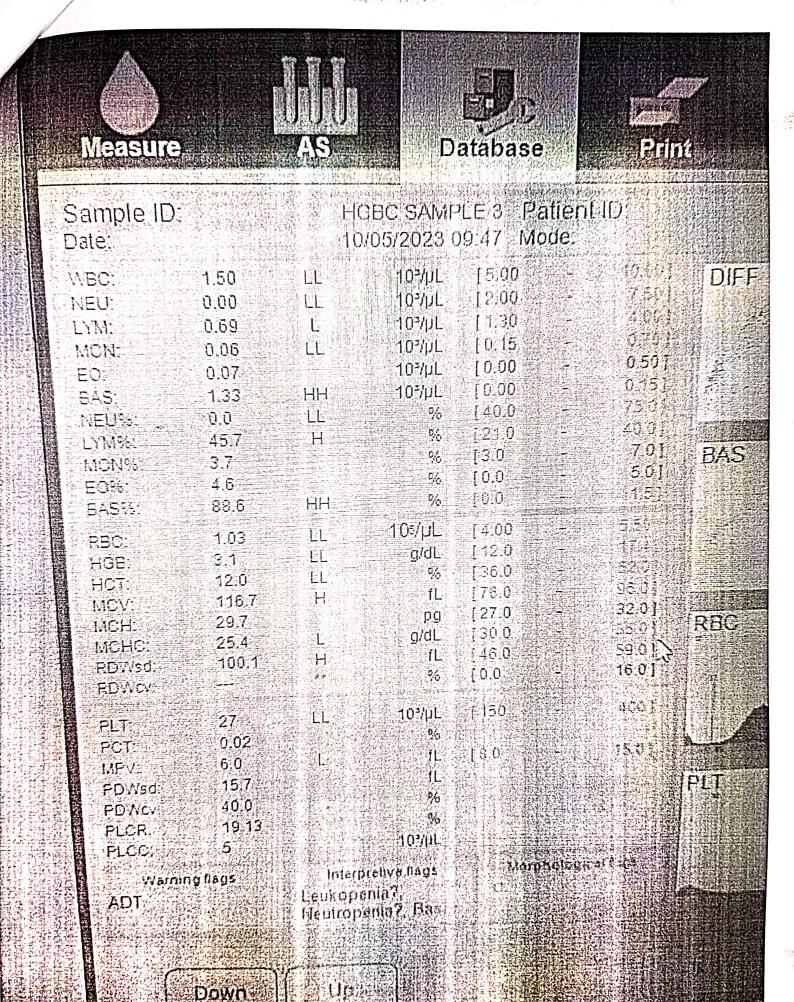
Dr Puneet Kumar Nigam PT coordinator & Technical Manager, MHL EQAS Unit No. 409-416. Commercial Building - 1A Kohinoor Mall, Kirol Road, Kurla (W), Mumbai - 400070

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					ather and protein		
. (	Sample ID		& HC	BC SAMPL	E 04 P	atient ID:	
Date				0/05/2023 0	9:50 M	ode.	Ht
						paralegue and construction of the	
	WBC:	8,48		107/JL	[5.00]	10.00]	DIFF
	NEU:	0.00	LL	10³/µL	[2,00]	7.50	
	LYM:	1.72		107bL	[ 1.30	4.00]	道作
	MON:	0.47		10°/µL	[0.15]	0.70]	
	Ē0:	0.25		- 10³/μLi	[0.00]	0.50]	打造。
	BAS.		**	10 <sup>2</sup> /µL	[ 0.00	0.15]	
	NEU%:	o.o.	L	%	[40.0]	75,0	
	LYMW:	20.3		%	[21.0]	40.03	
TITE .	NON%	5.6		2/6	[3.0	7.0]	BAS
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	MOH	35.9 27.3		ML	[30.0		RBG
	MCHC:	100.2	H		[46.0	520111	The state of the s
	RDWsd:		Taylor and San	96	[0.0	1 હો	A control of the cont
	FL N.					400]	
	L PLT	211		107/µL	[150]	400 J	
	FOTOM	0.167		<b>%</b>		as no little	
	MPY	7,5			[0.0]		
	PD:Asd:	15.2		1L			PLT
	PDWeit	38.8		₽% •			
	FLOR	19[38]		1.00 pg			
	PLEE			109µL		response to the second	
2	A comment of the comm	ngila <b>gs</b>	Inter	preliye flags	Mor	phological flags	
	uADT		Neutrop	oenia?,	G Fai		
			Anemia	? Macrocy			
				这种打破的。			
		Down.	Up				
		le for	10	10			
	THE PERSON NAMED IN	The Marketon	CAN FLYND	A THE REAL PROPERTY.	Color of the Artist of the State of the Stat		THE REAL PROPERTY OF