

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X Total Leucocytes (WBC) count	/c.mm	5330.00	2655.00	6.12	0.27
@ Erythrocyte (RBC) Count	mill/cu.mm	2.33	2.46	-0.48	-0.70
@ Haemoglobin	g/dL	6.90	6.75	-0.42	-0.14
@ MCV (Mean Corpuscular Volume)	fL	92.80	106.18	-1.88	-1.62
MCH (Mean Corpuscular Hb)	pg	29.80	27.27	2.87	1.41
MCHC (Mean Corpuscular Hb Concentration)	g/dL	32.00	25.63	2.72	3.27
@ Platelet Count	1000/ μ L	175.00	158.34	1.59	1.22
@ Hematocrit	%	21.70	26.11	-1.57	-1.67
RDW CV%	%	25.90	18.58	2.71	3.37

Legend @ : Acceptable

| : $2.0 < z \text{ score} < 3.0$ - Warning

X : $z \text{ score} \geq 3$ - Unacceptable

: Not Evaluated

⊙ : Delayed Result Entry

* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	1
EQAS Score Haematology - CBC	88.89 %

Dr Puneet Kumar Nigam

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

Pe-15143.

Harman 19/4/24

Instrument : Horiba Yumizen H550

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
X MCHC (Mean Corpuscular Hb Concentration)	g/dL	35.20	24.80	6.58	3.27
X RDW CV%	%	30.50	18.04	6.45	3.37
@ Erythrocyte (RBC) Count	mill/cu.mm	2.42	2.73	-0.96	-0.70
! Total Leucocytes (WBC) count	/c.mm	3970.00	7787.78	-2.87	0.27
@ Haemoglobin	g/dL	8.20	8.06	-0.36	-0.14
@ MCV (Mean Corpuscular Volume)	fL	96.30	117.61	-1.93	-1.62
! MCH (Mean Corpuscular Hb)	pg	33.90	29.58	2.22	1.41
@ Platelet Count	1000/ μ L	289.00	271.16	1.07	1.22
! Hematocrit	%	23.30	31.88	-2.06	-1.67

Legend @ : 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	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	2
EQAS Score Haematology - CBC	77.78 %

Dr Puneet Kumar Nigam

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

15/1/23
19/8/23

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Neutrophil.	-	<40%	<40%
@ Lymphocyte.	-	>40%	>40%
@ Eosinophil.	-	<6%	<6%
@ Monocyte.	-	1-10%	1-10%
@ Basophil.	-	<1%	<1%
@ Metamyelocyte.	-	Absent	Absent
@ Promyelocyte.	-	Absent	Absent
@ Myelocyte.	-	Absent	Absent

Legend @ : Acceptable

@ : Acceptable

X : Unacceptable

: Not Evaluated

⊙ : Delayed Result Entry

Total Parameters	8
Not Evaluated Parameters	0
Evaluated Parameters	8
Outlier Parameters (X)	0
EQAS Score Haematology-PS Slide Count Qualitative	100.00 %

Dr Puneet Kumar Nigam

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

BS 15/143

Hannu 19849

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Diagnosis (Slide)	-	CLL/Chronic lymphoproliferative disorder	CLL/Chronic lymphoproliferative disorder

Legend @ : Acceptable
 ⓐ : Acceptable
 X : Unacceptable
 # : Not Evaluated
 ⊙ : Delayed Result Entry

Total Parameters	1
Not Evaluated Parameters	0
Evaluated Parameters	1
Outlier Parameters (X)	0
EQAS Score Haematology- Peripheral smear diagnosis	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, Kiroi Road, Kurla (W),
 Mumbai - 400070

Re: 19145.

Harman 19849.

Last Run : 28/06/2024 02:04:45 PM - DIF

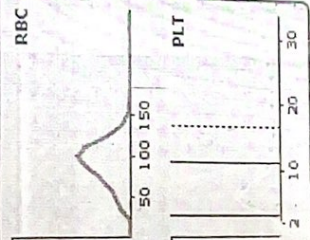
Sample ID HCBC 01
Last Name

Rack/Pos
First Name

Run Date
28/06/2024 02:04:45 PM

Recommended Actions

- Slide review
- Alarms
- Control failed
- Draining alarm disabled
- WBC
- Background Noise
- LYM Interference
- Abnormal Differentiation



RBC	2.33	L	10 ⁹ /μL	PLT	175	*	10 ⁹ /μL
HGB	6.9	L	g/dL	PCT	0.18	L*	%
HCT	21.7	L	%	MPV	7.7	L*	μm ³
MCV	92.8		μm ³	PDW	10.7	L*	μm ³
MCH	29.8		pg	P-LCC	27	L*	10 ⁹ /μL
MCHC	32.0		g/dL	P-LCR	15.4	L*	%
RDW-CV	25.9	H	%				
RDW-SD	89.0	H	μm ³				

WBC	5.33	*	10 ⁹ /μL
NEU	2.84	*	53.4 %
LYM	1.95	*	36.5 %
MON	0.02	L*	0.4 %
EOS	0.33	*	6.2 %
BAS	0.02	*	0.4 %
LIC	0.17	L*	3.1 H*

Suspected Pathologies

- RBC PLT Interference
- Anemia
- Anisocytosis
- PLT aggregate or NRBC ?
- Large Immature Cells
- Malaria P. falciparum ?
- Malaria P. vivax ?

QUAL COMM REAG SYST

READY

Haemman 19819
28/6/24

28.06.2024 02:07 PM

v.1.2.1.4 KRS10A

Last Run : 28/06/2024 02:08:27 PM - DIF

Sample ID HCBC 02

Last Name

Rack/Pos

First Name

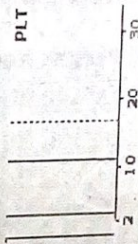
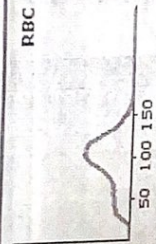
Run Date
28/06/2024 02:08:27 PM

Recommended Actions

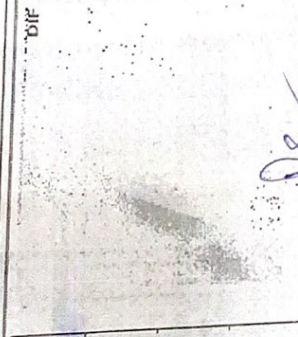
- Slide review
- Alarms
- Control failed
- Draining alarm disabled
- WBC
- Background Noise
- LYM Interference
- Abnormal Differentiation
- PLT
- RBC PLT Interference
- Suspected Pathologies**
- Anemia
- Anisocytosis
- Lymphopenia
- Large Immature Cells
- Malaria P. falciparum ?
- Malaria P. vivax ?

MIN. 53 67

RBC	2.42	L	10 ⁹ /μL	PLT	289	*	10 ³ /μL
HGB	8.2	L	g/dL	PCT	0.24	*	%
HCT	23.3	L	%	MPV	8.2	*	μm ³
MCV	96.3		μm ³	PDW	14.3	*	μm ³
MCH	33.9		pg	P-LCC	53	*	10 ⁷ /μL
MCHC	35.2	H	g/dL	P-LCR	18.3	*	%
RDW-CV	30.5	H	%				
RDW-SD	100.0	H	μm ³				



WBC	3.97	*	10 ⁹ /μL	%	
NEU	3.22	*		83.1	H*
LYM	0.06	L*		1.5	H*
MON	0.00	H*		0.1	H*
EOS	0.50	*		12.6	H*
BAS	0.03	*		0.7	*
LIC	0.16	H*		4.0	H*



QUAL COMM REAG SYST

KRS10AA

READY

Handwritten: Herman 18/12/21

28.06.2024 02:11 PM

Metropolis Healthcare Ltd., EQAS
 PT Outlier Investigation Report

Lab : 1039 / KRSNAA DIAGNOSTICS,LTD,GURDASPUR

Cycle + Sample No : 24010401

Analyte Scheme : Haematology - CBC

PT Result Received Date

: 28/06/2024

Name Of The Test

: Total Leucocytes (WBC) count

Result

: 5.33

Z Score

: 6.12

Upload Date : 23/07/2024

Previous trends/Unacceptable results :

- last 6-12 month : NO TRENDS IN LAST 6 MONTHS
- Last 3 months : NO TRENDS IN LAST 3 MONTHS
- Data Entry Check : YES CORRECT DATA ENTRY
- Investigation : ILC
- Conclusion : SAMPLE RECEIVED WITH ABNORMAL TEMPERATURE
- Was patient data affected? : NOT IMPACTED
- Classification Of Problem : Problem with PT material
- Immediate Action : ILC
- Corrective Action : ILC
- Preventive Action : CHECK SAMPLE PROPERLY WHILE RECEIVING
- Remark : ILC DONE AND RESULT IS SATISFACTORY .

Handwritten signature and date:
 15/4/24
 Hanuman 1989

Lab : 1039 / KRSNAA DIAGNOSTICS,LTD,GURDASPUR

Cycle + Sample No : 24010402

Analyte Scheme : Haematology - CBC

PT Result Received Date	:	28/06/2024	Name Of The Test	:	MCHC (Mean Corpuscular Hb Concentration)	Upload Date	:	23/07/2024
Result	:	35.20	Z Score	:	6.58			

Previous trends/Unacceptable results :

last 6-12 month : NO TRENDS IN LAST 6 MONTHS
 Last 3 months : NO TRENDS IN LAST 3 MONTHS
 Data Entry Check : YES CORRECT DATA ENTRY
 Investigation : ILC
 Conclusion : SAMPLE RECEIVED WITH ABNORMAL TEMPERATURE
 Was patient data affected? : PATIENT DATA NOT IMPACTED
 Classification Of Problem : Problem with PT material
 Immediate Action : ILC
 Corrective Action : ILC
 Preventive Action : CHECK SAMPLE PROPERLY WHILE RECEIVING
 Remark : ILC DONE AND RESULT IS SATISFACTORY .

PT Result Received Date	:	28/06/2024	Name Of The Test	:	RDW CV%	Upload Date	:	23/07/2024
Result	:	30.50	Z Score	:	6.45			

Previous trends/Unacceptable results :

last 6-12 month : NO TRENDS IN LAST 6 MONTHS
 Last 3 months : NO TRENDS IN LAST 3 MONTHS
 Data Entry Check : YES CORRECT DATA ENTRY
 Investigation : ILC
 Conclusion : SAMPLE RECEIVED WITH ABNORMAL TEMPERATURE
 Was patient data affected? : PATIENT DATA NOT IMPACTED
 Classification Of Problem : Problem with PT material
 Immediate Action : ILC
 Corrective Action : ILC
 Preventive Action : CHECK SAMPLE PROPERLY WHILE RECEIVING
 Remark : ILC DONE AND RESULT IS SATISFACTORY .

This is a computer generated report hence signature is not required

PS
15745.

Harman
19849.



INTER LABORATORY COMPARISON RESULTS

Krsnaa Diagnostics Ltd
DH, Civil Hospital,
Gurdaspur, Babri, PG-143520

Sr. No	Date	Analyte Name	Barcode ID	Lab Result	Unit	IIC Lab Result	Unit	Acceptability Criteria	Observed CV %	Acceptability Range	Result Acceptable Yes/No	Done by	Reviewed by
1.	14/01/24	HB	115340 829	12.30	g/dl	12.30	g/dl	10%	0%		Yes	Hansa	Yes
2.	"	RBC	"	4.36	$10^6/\mu\text{L}$	4.36	$10^6/\mu\text{L}$	10%	0%		Yes	Hansa	Yes
3.	"	TLC	"	8.56	$10^3/\mu\text{L}$	8.50	$10^3/\mu\text{L}$	10%	0.7%		Yes	Hansa	Yes
4.	"	PLT	"	259	$10^3/\mu\text{L}$	260	$10^3/\mu\text{L}$	10%	-0.3%		Yes	Hansa	Yes
5.	"	MCH	"	28.30	Pg	27.10	Pg	10%	4.2%		Yes	Hansa	Yes
6.	"	MCHc	"	34.90	g/dl	35.30	g/dl	10%	-1.1%		Yes	Hansa	Yes
7.	"	HCT	"	35.30	%	35.90	%	10%	-1.6%		Yes	Hansa	Yes
8.	"	RDW-CV	"	14.20	%	14.50	%	10%	-2.1%		Yes	Hansa	Yes

Qualitative: Clinically comparable results shall be Concordance.
Clinically not comparable results shall be Disconcordance.


Quantitative: Acceptability: 10% (As per NABL 112)

Sign of Doctor

Issued by : Vinod Lonkar	Version No : 1	Issue Date : 01.09.2023
Approved by : Dr. Manish Karchar	Amend No. --	
Doc No. GEN-01	Amend Date.	



Medical Laboratory Report

Patient Name : Mrs GAGANDEEP KAUR Patient UID No : PRG240700068487
 Age and Gender : 33 Years / Female PRN No : PRG240700068487
 Category : OPD - PB GURDASPUR Registered On : 13 Jul 2024 15:06
 Referring Doctor : CIVIL HOSPITAL GURDASPUR Sample UID No. 
 Sample Processed at : KRSNAA DIAGNOSTICS (MOHALI) PVT LTD, INSIDE CIVIL HOSPITAL, NEAR HUSSAINPURA CHOWK AMRITSAR - 143001, PUNJAB 115340829

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
COMPLETE BLOOD COUNT			
Haemoglobin Non-cyanide method	12.30	g/dl	11.0 - 16.0
Total Leucocyte Count Electrical impedance	8.50	x 10 ³ /μL	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.36	x 10 ⁶ /μL	3.5 - 5.5
Platelet count Electrical impedance	260.00	x 10 ³ /μL	150 - 450
MPV Electrical Impedence	11.20	fL	
PCT Electrical Impedence	0.32	%	
PDW Electrical Impedence	21.40	%	
R.B.C. Indices			
P.C.V. Electrical impedance	35.90	%	35 - 48
M.C.V. Electrical Impedence	76.90	fL	82 - 95.0
M.C.H. Calculated	27.10	pg	25 - 33
M.C.H.C Calculated	35.30	gm/dl	33 - 37
R.D.W. CV Calculated	14.50	%	11.0 - 16.0
Differential W.B.C. Count			
Neutrophils Cytochemistry & impedance/PS	55.00	%	40 - 70
Lymphocytes Cytochemistry & impedance/PS	40.00	%	20 - 45



Priyanka Panday

DR. PRIYANKA PANDAY
(CONSULTANT PATHOLOGIST)

--- END OF REPORT ---

Sample Collected On : 13.07.2024 15:08 Sample Accepted On : 13.07.2024 20:02 E17641
 Results Authenticated : 13.07.2024 22:45 Results Reported : 13.07.2024 23:09 Printed On : 22.07.2024 15:05





Medical Laboratory Report

Patient Name : Mrs GAGANDEEP KAUR
 Age and Gender : 33 Years / Female
 Category : OPD - PB GURDASPUR
 Referring Doctor : CIVIL HOSPITAL GURDASPUR
 Sample Processed at : KRSNAA DIAGNOSTICS (MOHALI) PVT LTD, INSIDE CIVIL HOSPITAL, NEAR HUSSAINPURA CHOWK AMRITSAR - 143001, PUNJAB

Patient UID No : PRG240700068487
 PRN No : PRG240700068487
 Registered On : 13 Jul 2024 15:06
 Sample UID No. 115340829

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
COMPLETE BLOOD COUNT			
Differential W.B.C. Count			
Eosinophils Cytochemistry & impedance/PS	03	%	0 - 6
Monocytes Cytochemistry & impedance/PS	02	%	0 - 8
Basophils Cytochemistry & impedance/PS	00	%	0 - 1
Absolute Count			
Absolute Neutrophil Count Calculated	4.28	$\times 10^3 / \mu\text{L}$	1.5 - 8.0
Absolute Lymphocyte Count Calculated	3.07	$\times 10^3 / \mu\text{L}$	
Absolute Eosinophil Count Whole blood Calculated	0.24	$\times 10^3 / \mu\text{L}$	0.04 - 0.44
Absolute Monocyte Count Calculated	0.24	$\times 10^3 / \mu\text{L}$	
Absolute Basophil Count Calculated	0.1	$\times 10^3 / \mu\text{L}$	
Peripheral Smear Findings			
Abnormalities of Erythrocytes	Normocytic Normochromic		
Abnormalities of Leucocytes	Within normal limits		
Platelets on smear	Adequate		
Fully automated 5 part hematology analyzer			



Priyanka Panday

DR. PRIYANKA PANDAY
 (CONSULTANT PATHOLOGIST)


--- END OF REPORT ---

Sample Collected On : 13.07.2024 15:08
 Results Authenticated : 13.07.2024 22:45
 Sample Accepted On : 13.07.2024 20:02
 Results Reported : 13.07.2024 23:09
 E17641
 Printed On : 22.07.2024 15:05



Medical Laboratory Report

Patient Name : Mrs GAGANDEEP KAUR
Age and Gender : 33 Years / Female
Category : OPD - PB GURDASPUR
Referring Doctor : CIVIL HOSPITAL GURDASPUR
Sample Processed : PB GURDASPUR
at

Patient UID No : PRG240700068487
PRN No : PRG240700068487
Registered On : 13 Jul 2024 11:32
Sample UID No.  115340829.

HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
COMPLETE BLOOD COUNT			
Haemoglobin Photometric	12.30	g/dl	11.0 - 16.0
Total Leucocyte Count Electrical impedance	8.56	x 10 ³ /μL	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.36	x 10 ⁶ /μL	3.5 - 5.5
Platelet count Electrical impedance	259.00	x 10 ³ /μL	150 - 450
MPV Electrical Impedence	11.60	fL	
PCT Electrical Impedence	0.30	%	
PDW Electrical Impedence	21.20	%	
R.B.C. Indices			
P.C.V. Electrical impedance	35.30	%	35 - 48
M.C.V. Electrical Impedence	81.10	fL	82 - 95.0
M.C.H. Calculated	28.30	pg	25 - 33
M.C.H.C Calculated	34.90	gm/dl	33 - 37

--- END OF REPORT ---



DR.SIMRANDEEP KAUR
(MBBS, MD PATHOLOGY)
CONSULTANT PATHOLOGIST

Sample Collected On : 13.07.2024 11:40
Results Authenticated : 13.07.2024 12:04


Sample Accepted On : 13.07.2024 11:42
Results Reported : 13.07.2024 12:35

E16277
Printed On : 22.07.2024 15:05



Medical Laboratory Report

Patient Name : Mrs GAGANDEEP KAUR
 Age and Gender : 33 Years / Female
 Category : OPD - PB GURDASPUR
 Referring Doctor : CIVIL HOSPITAL GURDASPUR
 Sample Processed at : PB GURDASPUR

Patient UID No : PRG240700068487
 PRN No : PRG240700068487
 Registered On : 13 Jul 2024 11:32
 Sample UID No.  115340829.

COMPLETE BLOOD COUNT

R.D.W. CV 14.20 % 11.0 - 16.0
 Calculated

Differential W.B.C. Count

Neutrophils 57.00 % 40 - 70
 Cytochemistry & impedance/PS

Lymphocytes 36.00 % 20 - 45
 Cytochemistry & impedance/PS

Eosinophils 03 % 0 - 6
 Cytochemistry & impedance/PS

Monocytes 04 % 0 - 8
 Cytochemistry & impedance/PS

Basophils 00 % 0 - 1
 Cytochemistry & impedance/PS

Absolute Count

Absolute Neutrophil Count 4.80 x 10³ /μL 1.5 - 8.0
 Calculated

Absolute Lymphocyte Count 3.10 x 10³ /μL
 Calculated

Absolute Eosinophil Count 0.25 x 10³ /μL 0.04 - 0.44
 Whole blood
 Calculated

Absolute Monocyte Count 0.35 x 10³ /μL
 Calculated

Absolute Basophil Count 0.05 x 10³ /μL
 Calculated

Peripheral Smear Findings

Abnormalities of Erythrocytes

--- END OF REPORT ---



Normocytic Normochromic

Simran

DR.SIMRANDEEP KAUR
 (MBBS, MD PATHOLOGY)
 CONSULTANT PATHOLOGIST

Sample Collected On : 13.07.2024 11:40
 Results Authenticated : 13.07.2024 12:04

Sample Accepted On : 13.07.2024 11:42
 Results Reported : 13.07.2024 12:35

E16277
 Printed On : 22.07.2024 15:05

