



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD BILASPUR (1241)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 01

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
No Outlier				
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 : Horiba ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	2.38	2.46	-0.33	-0.30
@ Total Leucocytes (WBC) count	/c.mm	4500.00	4473.85	0.25	-0.23
@ Haemoglobin	g/dL	6.70	7.09	-0.90	-0.63
@ MCV (Mean Corpuscular Volume)	fL	103.00	104.16	-0.62	-0.61
@ MCH (Mean Corpuscular Hb)	pg	28.30	28.63	1.10	0.88
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	27.60	26.98	0.96	1.37
@ Platelet Count	1000/ $\mu$ L	177.00	150.31	1.69	0.38
@ Hematocrit	%	24.40	26.60	-0.98	-0.94
@ RDW CV%	%	18.90	19.22	0.21	0.49

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

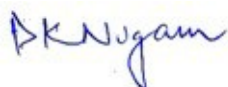
X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %



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

KRSNAA DIAGNOSTICS LTD BILASPUR (1241)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 02

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
No Outlier				
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 : Horiba ABX Micros ES 60

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
@ Erythrocyte (RBC) Count	mill/cu.mm	2.66	2.72	-0.27	-0.30
@ Total Leucocytes (WBC) count	/c.mm	8700.00	9058.33	-0.70	-0.23
@ Haemoglobin	g/dL	8.20	8.47	-0.36	-0.63
@ MCV (Mean Corpuscular Volume)	fL	112.00	116.00	-0.60	-0.61
@ MCH (Mean Corpuscular Hb)	pg	30.80	31.14	0.66	0.88
@ MCHC (Mean Corpuscular Hb Concentration)	g/dL	27.50	26.50	1.77	1.37
@ Platelet Count	1000/ $\mu$ L	234.00	255.58	-0.93	0.38
@ Hematocrit	%	29.80	31.49	-0.90	-0.94
@ RDW CV%	%	19.50	18.77	0.76	0.49

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

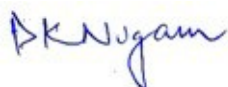
X : z score  $\geq$ 3 - Unacceptable

# : Not Evaluated

⌚ : Delayed Result Entry

\* : Not considered for evaluation.

Total Parameters	9
Not Evaluated Parameters	0
Evaluated Parameters	9
Outlier Parameters (X)	0
EQAS Score Haematology - CBC	100.00 %



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## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 01

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
! HbA1c	Lifotronic H-9	6.10	%	2.88
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:** \_\_\_\_\_

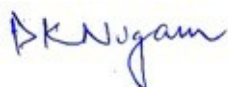
**Dated:** \_\_\_\_\_

Instrument : Lifotronic H-9

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
! HbA1c	%	6.10	5.35	2.88	2.67

Legend @ : Acceptable	Total Parameters	1
! : 2.0 < z score < 3.0 - Warning	Not Evaluated Parameters	0
X : z score ≥3 - Unacceptable	Evaluated Parameters	1
# : Not Evaluated	Outlier Parameters (X)	0
⌚ : Delayed Result Entry	EQAS Score HbA1c	100.00 %
* : Not considered for evaluation.		



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## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 02

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit	Z-Score
! HbA1c	Lifotronic H-9	8.60	%	2.46
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:** \_\_\_\_\_

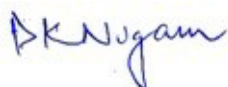
**Dated:** \_\_\_\_\_

Instrument : Lifotronic H-9

Analyte	Standard Unit	Result Value	Mean	Z-Score	RMZ
! HbA1c	%	8.60	7.75	2.46	2.67

Legend @ : Acceptable	Total Parameters	1
! : 2.0 < z score < 3.0 - Warning	Not Evaluated Parameters	0
X : z score ≥3 - Unacceptable	Evaluated Parameters	1
# : Not Evaluated	Outlier Parameters (X)	0
⌚ : Delayed Result Entry	EQAS Score HbA1c	100.00 %
* : Not considered for evaluation.		



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KRSNAA DIAGNOSTICS LTD BILASPUR (1241)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 05

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit
No Outlier			
Legend @ : Acceptable X : Unacceptable # : Not Evaluated ⌚ Delayed Result Entry			

**Problem Classification:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

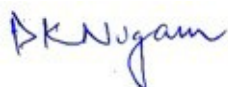
**Corrective Action:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Reviewed by:** \_\_\_\_\_

**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Diagnosis (Slide)	-	P. vivax	P. vivax
Legend @ : Acceptable		Total Parameters	1
@ : Acceptable		Not Evaluated Parameters	0
X : Unacceptable		Evaluated Parameters	1
# : Not Evaluated		Outlier Parameters (X)	0
⊙ : Delayed Result Entry		EQAS Score Haematology- Peripheral smear diagnosis	100.00 %



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## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 05

Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit
X Neutrophil.	-	>70%	%
Legend @ : Acceptable X : Unacceptable # : Not Evaluated ⌚ : Delayed Result Entry			

**Problem Classification:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Corrective Action:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Reviewed by:** \_\_\_\_\_

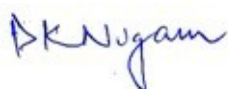
**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
X Neutrophil.	-	>70%	40-70%
@ Lymphocyte.	-	20-40%	20-40%
@ 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)	1
EQAS Score Haematology-PS Slide Count Qualitative	87.50 %



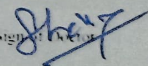
**Dr Puneet Kumar Nigam**  
 PT coordinator & Technical Manager, MHL EQAS  
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 Mumbai - 400070

**INTER LABORATORY COMPARISON RESULTS**

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.	13/10/24	Neutro	201543530	65	%	65	%	10%	0%	—	Yes	Dr	Dr

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

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


Signature: 

Issued by: Vinod Lonkar	Issue Date: 01/09/2023
Approved by: Dr. Manish Kurekar	Amend No: --
Date No: 01/09/2023	Amend Date: --
Version No: 1	



### Medical Laboratory Report

Patient Name : Mr SUSHIL KUMAR  
 Age and Gender : 39 Years / Male  
 Category : OPD - HP BILASPUR LAB  
 Referring Doctor : Self  
 Sample Processed at : HP BILASPUR LAB


Patient UID No : BILP240200078923  
 PRN No : BILP240200078923  
 Registered On : 13 Aug 2024 12:39  
 Sample UID No.   
 201543530

#### HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
<b>COMPLETE BLOOD COUNT</b>			
<b>COMPLETE BLOOD COUNT ( Sample type : EDTA )</b>			
Haemoglobin Photometric	11.40	g/dl	13.0 - 18.0
Total Leucocyte Count Electrical impedance	7.10	$\times 10^3 / \mu\text{L}$	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.15	$\times 10^6 / \mu\text{L}$	3.5 - 5.5
Platelet count Electrical impedance	217.00	$\times 10^3 / \mu\text{L}$	150 - 450
MPV Calculated	9.10	fL	
PCT Electrical Impedance	0.20	%	
PDW Calculated	17.60	%	
<b>R.B.C. Indices</b>			
HCT ( P.C.V. ) Calculated	35.80	%	40 - 52
M.C.V. Measured	86.00	fL	82 - 95.0
M.C.H. Measured	27.50	pg	25 - 33
M.C.H.C Calculated	31.80	gm/dl	33 - 37
R.D.W. CV Calculated	14.60	%	11.0 - 16.0
<b>Differential W.B.C. Count</b>			
Neutrophils Cytochemistry & impedance/PS	65.00	%	40 - 70
Lymphocytes Cytochemistry & impedance/PS	30.00	%	20 - 45
Eosinophils Cytochemistry & impedance/PS	2.00	%	0 - 6
Monocytes Cytochemistry & impedance/PS	02	%	0 - 8
Basophils Cytochemistry & impedance/PS	01	%	0 - 1
<b>Absolute Count</b>			
Absolute Neutrophil Count	4.62	$\times 10^3 / \mu\text{L}$	1.5 - 8.0

### Medical Laboratory Report

Patient Name : Mr SUSHIL KUMAR  
Age and Gender : 39 Years / Male  
Category : OPD - HP BILASPUR LAB  
Referring Doctor : Self  
Sample Processed at : HP BILASPUR LAB

Patient UID No : BILP240200078923  
PRN No : BILP240200078923  
Registered On : 13 Aug 2024 12:39  
Sample UID No.  201543530

#### HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
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#### COMPLETE BLOOD COUNT

##### Absolute Count

Calculated

**Absolute Lymphocyte Count** 2.13 x 10<sup>3</sup> /μL

Calculated

**Absolute Eosinophil Count** 0.14 x 10<sup>3</sup> /μL 0.04 - 0.44

Calculated

**Absolute Monocyte Count** 0.14 x 10<sup>3</sup> /μL

Calculated

**Absolute Basophil Count** 0.07 x 10<sup>3</sup> /μL

Calculated

Test performed on fully automated 5 part differential cell counter



DR.SHELLY VASHISHT ( E16918 )  
CONSULTANT PATHOLOGIST

--- END OF REPORT ---




मुख्यमंत्री निःशुल्क निदान योजना

मुख्यमंत्री निःशुल्क निदान योजना



## Medical Laboratory Report

Patient Name : Mr ILC SUSHIL KUMAR  
Age and Gender : 39 Years / Male  
Category : OPD - HP BILASPUR LAB  
Referring Doctor : Self  
Sample Processed at : HP MANDI LAB

Patient UID No : BILP240800108487  
PRN No : BILP240800108487  
Registered On : 13 Aug 2024 12:54  
Sample UID No :   
201543531

### HEMATOLOGY

Test Done	Observed Value	Units	Biological Reference Interval
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#### COMPLETE BLOOD COUNT

##### COMPLETE BLOOD COUNT ( Sample type : EDTA )

Haemoglobin Photometric	11.40	g/dl	13.0 - 19.0
Total Leucocyte Count Electrical impedance	7.00	$\times 10^3 / \mu\text{L}$	4.0 - 11.0
Total Erythrocyte Count Electrical impedance	4.00	$\times 10^6 / \mu\text{L}$	3.5 - 5.5
Platelet count Electrical impedance	214.00	$\times 10^3 / \mu\text{L}$	150 - 450
MPV Calculated	9.00	fL	7.8 - 11.0
PCT Electrical Impedance	0.21	%	0.15 - 0.52
PDW Calculated	17.40	%	8.3 - 25.0

#### R.B.C. Indices

HCT ( P.C.V. ) Calculated	35.40	%	40 - 52
M.C.V. Method: Calculated	86.00	fL	82 - 95.0
M.C.H. Method: Calculated	27.40	pg	25 - 33
M.C.H.C Calculated	31.40	gm/dl	33 - 37
R.D.W. CV Calculated	14.50	%	11.0 - 16.0

#### Differential W.B.C. Count

Neutrophils Cytochemistry & impedance, PS	65.00	%	40 - 70
Lymphocytes Cytochemistry & impedance, PS	30.00	%	20 - 45
Eosinophils	2.00	%	0 - 6



DR ABHINAV JUNWAL ( E16739 )  
(Consultant Pathologist)

--- END OF REPORT ---





### Medical Laboratory Report

Patient Name : Mr ILC SUSHIL KUMAR  
 Age and Gender : 39 Years / Male  
 Category : OPD - HP BILASPUR LAB  
 Referring Doctor : Self  
 Sample Processed at : HP MANDI LAB

Patient UID No : BILP240800108487  
 PRN No : BILP240800108487  
 Registered On : 13 Aug 2024 12:54  
 Sample UID No. : 201543531



Test Done	HEMATOLOGY		
	Observed Value	Units	Biological Reference Interval
<b>COMPLETE BLOOD COUNT</b>			
<b>Differential W.B.C. Count</b>			
Cytochemistry & impedance/PS			
<b>Monocytes</b>	02	%	0 - 8
Cytochemistry & impedance/PS			
<b>Basophils</b>	01	%	0 - 1
Cytochemistry & impedance/PS			
<b>Absolute Count</b>			
<b>Absolute Neutrophil Count</b>	4.55	$\times 10^3 / \mu\text{L}$	1.5 - 8.0
Calculated			
<b>Absolute Lymphocyte Count</b>	2.10	$\times 10^3 / \mu\text{L}$	1.02 - 3.55
Calculated			
<b>Absolute Eosinophil Count</b>	0.14	$\times 10^3 / \mu\text{L}$	0.04 - 0.44
Calculated			
<b>Absolute Monocyte Count</b>	0.14	$\times 10^3 / \mu\text{L}$	0.26 - 1.07
Calculated			
<b>Absolute Basophil Count</b>	0.07	$\times 10^3 / \mu\text{L}$	0.02 - 0.10
Calculated			

Test performed on fully automated 5 part differential cell counter



*Signature*

DR ABHINAV JUNWAL ( E16739 )  
 (Consultant Pathologist)

--- END OF REPORT ---