



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD KAPURTHALA (1043)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 03

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

**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



# Metropolis Healthcare Ltd., EQAS

KRSNAA DIAGNOSTICS LTD KAPURTHALA (1043)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 04

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

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KRSNAA DIAGNOSTICS LTD KAPURTHALA (1043)

## Outlier And Analyte Summary Report

Outlier Details For Cycle No 240104 and Sample No 03

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

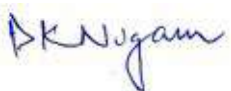
**Dated:** \_\_\_\_\_

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
@ Diagnosis (Slide)	-	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 %



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Report Date : 10/07/2024

Analyte	Instrument	Result Value	Standard Unit
X Monocyte.	-	<1%	%
Legend @ : Acceptable X : Unacceptable # : Not Evaluated 🕒 Delayed Result Entry			

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

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

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

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

Instrument : -

Analyte	Standard Unit	Result Value	Accepted Value
<b>X</b> Monocyte.	-	<1%	1-10%
@ Neutrophil.	-	<40%	<40%
@ Lymphocyte.	-	>40%	>40%
@ Eosinophil.	-	<6%	<6%
@ 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 %



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**INTER LABORATORY COMPARISON RESULTS**

Krsnaa Diagnostics Ltd,  
Sultanpur Road Civil  
Hospital Kapurthala  
Pin Code- 144601

Sr. No	Date	Analyte Name	Barcode ID	Lab Result	Unit	I.L.C Lab Result	Unit	Acceptability Criteria	Observed CV %	Acceptability range	Result Acceptable Yes / No	Done by	Reviewed by
1	19/7/24	MCV	116323358	80.10	fL	80.60	fL	64.58 -96.12	16.02	-0.6%	Yes	Bhu	Bal
2	19/7/24	MCHC	116323358	33.46	gm/dl	31.80	gm/dl	26.72 - 40.08	6.68	4.7%	Yes	Bhu	Bal
3	19/7/24	MCH	116323358	26.70	Pg	25.70	Pg	21.36 -32.04	5.34	3.7%	Yes	Bhu	Bal
4	19/7/24	PCV	116323358	37.50	%	39.80	%	30-45	7.5	-6.1%	Yes	Bhu	Bal
5	19/7/24	RDW CV%	116323358	14.80	%	13.80	%	11.84 -17.76	2.96	6.7%	Yes	Bhu	Bal
6	19/7/24	RBC	116323358	4.68	$\times 10^6/\mu l$	4.94	$\times 10^6/\mu l$	3.744 -5.616	0.936	-5.5%	Yes	Bhu	Bal

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 Lankar *Vinod*  
Approved by: Dr. Manish Katrekar *Manish*  
Doc No: G1 N-01  
Version No: 1  
Amend No: -  
Issue Date: 01/03/2023  
Amend Date:

### Proficiency Testing Outlier Investigation Form

Laboratory Name :

Krsnaa Diagnostic PB Kapurthala

Date

17/7/24

Department

Haematology

Test Analyte

[MCV/MCHC/MCH  
PCV | RDW CV% | RBC]

Reported Results

28/06/24

Acceptable Results

Sample receipt

Was the kit received in good condition?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Was the correct program/cycle received?

Was the kit stored at the proper temperature following receipt?

#### Sample Preparation:

Who Prepared sample?

Date Prepared

Bhawna

26/06/24

Was the correct reconstitution instruction followed (handling, time, temperature)?

Was a volumetric Class A (or calibrated) pipette used for reconstitution?

Was distilled or deionized water used for reconstitution?

Was the sample mixed according to the package insert prior to testing?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Sample Processing:

Who processed test?

Date of processing

Bhawna

26/6/24

Was the correct sample number tested?

Was the sample at room temperature?

Was the person running the test current in their training?

Was the affected test run within the stability claim listed in the package insert?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

#### Reporting Results:

Who reported Results

Date reported

Bhawna

26/6/24

Issued by: Vinod Lonkar <u>Vinod</u>		Issue Date: 01/03/2023	
Approved by: Dr. Manish Karekar <u>Manish</u>		Amend No: --	
Doc No: GEN-03	Version No: 1	Amend Date	



- Was the test configuration correct (instrument, method and reagent)?
- Have the results been reported correctly (match instrument print out)?
- Was the correct unit reported?
- Was the decimal symbol placed correctly when reported?
- Was the reported result within the instrument's linear range?
- Was the calculation of the reported result done correctly?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Internal QC:**

- Was IQC within an acceptable range on the day that the EQAS sample was run?
- Where there any shifts or trends in IQC just before/after the EQAS sample was run?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Con on the day on EQAS sample**

Reading	MEAN	SD	CV	Z Score
level-I				
level-II				
level-III				

**Previous month IQC**

Mean	SD	CV	Z Score
level-I			
level-II			
level-III			

**Previous three month EQAS reports**

Z score	BIAS	RMZ
Month-I		
Month-II		
Month-III		

**Calibration:**

- Was the last calibration acceptable?
- Was the last calibration within the manufacturer's recommended dating?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Reagent:**

**Reagent lot / exp.**

Lot \_\_\_\_\_ Expiration \_\_\_\_\_

Issued by Vinod Lonkar <i>Vinod</i>	Issue Date 01.03.2023
Approved by Dr. Manish Karekar <i>Manish</i>	
Doc No. GLN 03	Version No. 1
Amend No. --	Amend Date:



- Was the test reagent stored correctly?
- Was the test reagent properly prepared?
- Was the test reagent within manufacturer's dating?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Instrument:**

- Was daily maintenance performed on the day that the EQAS sample was run?
- Was the person performing maintenance current on training?
- Was the instrument operating correctly on the day the sample was tested?
- Was the lab environment acceptable for the instrument (temperature, humidity, electrical, etc.)?

YES	NO	NA
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**Sample Retest:**

Who retested sample? \_\_\_\_\_ Date tested \_\_\_\_\_

- Was the EQAS sample retested following receipt of EQAS sample report?
- If yes, was the result within acceptable limits for the EQAS sample?

YES	NO	NA
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

**EQAS Evaluation:**

- Inappropriate peer group or comparator?
- Inappropriate evaluation criteria, e.g. narrow limits due to use of a precise method or instrument

YES	NO	NA
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Issued by - Vinod Lonkar <i>Vinod</i>	Issue Date - 01/03/2023
Approved by - Dr. Manish Karekar <i>Manish</i>	
Doc No - GLEN 03	Version No - 1
Amend No -	Amend Date



OP

Was the SOP followed correctly?

YES      NO      NA  
           

staining performed and interpreted correctly?

YES       NO       NA

Interpretation of microscopic examination interpreted correctly?

YES       NO       NA

Lot Verification

Type of error Identified - *Sample Degenerated Due to High Temp.*  
 Root cause of the problem

Corrective Action → *glc Done.*

Signature and Name of Technologist / Section Head

*[Handwritten Signature]*

Review by QM / HO / TM: Sign and Name

Issued by - Vinod Lonkar <i>[Signature]</i>		Issue Date - 01/03/2023	
Approved by - Dr. Manish Karekar <i>[Signature]</i>			
Doc No. GEN 03	Version No. 1	Amend No. --	Amend Date