



**Metropolis Healthcare Ltd., EQAS**

AAKASH HOSPITAL-LAB (1090)

Outlier And Analyte Summary Report

Result Details For Cycle No 240104 and Sample No 02

Report Date : 10/07/2024

Instrument : Erba EM 200

| Analyte | Standard Unit | Result Value | Mean | Z-Score | RMZ  |
|---------|---------------|--------------|------|---------|------|
| @ HbA1c | %             | 7.80         | 7.26 | 1.50    | 0.60 |

- Legend @ : Acceptable  
! : 2.0 < z score < 3.0 - Warning  
X : z score ≥ 3 - Unacceptable  
# : Not Evaluated  
⊙ : Delayed Result Entry  
\* : Not considered for evaluation.

|                          |          |
|--------------------------|----------|
| Total Parameters         | 1        |
| Not Evaluated Parameters | 0        |
| Evaluated Parameters     | 1        |
| Outlier Parameters (X)   | 0        |
| EQAS Score HbA1c         | 100.00 % |

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*[Signature]*  
*10.7.24*

*Dr Puneet Kumar Nigam*

Dr Puneet Kumar Nigam  
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Mumbai - 400070



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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 |
|---|------------|--------------|---------------|---------|
| No Outlier  |            |              |               |         |
| Legend @ : z score $\leq$ 2.0 - Acceptable<br>! : 2.0 < z score < 3.0 - Warning<br>X : z score $\geq$ 3 - Unacceptable<br># : Not Evaluated<br>⊙ : Delayed Result Entry<br>* : Not considered for evaluation. |            |              |               |         |

Problem Classification: H3A C results satisfactory.

Corrective Action: No. CA required.

Reviewed by: [Signature]  
10/7/24

Dated: 10/7/24

Instrument : Erba EM 200

| Analyte            | Standard Unit | Result Value | Mean   | Z-Score      | RMZ   |
|--------------------|---------------|--------------|--------|--------------|-------|
| @ Urea             | mg/dl         | 31.40        | 33.77  | -0.46        | 1.14  |
| @ Creatinine       | mg/dl         | 0.83         | 0.82   | <u>0.35</u>  | -0.59 |
| @ Bilirubin Total  | mg/dl         | 0.21         | 0.18   | 0.13         | 0.29  |
| @ Bilirubin Direct | mg/dl         | 0.14         | 0.08   | 1.28         | 0.38  |
| @ Total Protein    | g/dL          | 6.90         | 6.48   | 0.50         | 0.73  |
| @ Albumin          | g/dL          | 4.07         | 3.99   | 0.42         | 0.05  |
| @ Uric Acid        | mg/dl         | 4.30         | 4.48   | -0.29        | -0.02 |
| @ Calcium          | mg/dl         | 8.80         | 8.83   | 0.22         | 0.06  |
| ! Cholesterol      | mg/dl         | 189.00       | 165.97 | 2.30         | 0.77  |
| ! Triglycerides    | mg/dl         | 172.50       | 147.36 | 2.41         | 1.08  |
| @ HDL              | mg/dl         | 34.80        | 38.35  | -0.18        | -0.21 |
| @ ALT              | U/L           | 19.00        | 16.01  | 0.85         | 0.45  |
| @ AST              | U/L           | 31.00        | 29.58  | 0.45         | 1.55  |
| @ ALP              | U/L           | 79.00        | 80.60  | <u>-0.15</u> | 0.59  |
| @ GGT              | U/L           | 26.00        | 26.23  | 0.21         | 0.31  |
| @ Amylase          | U/L           | 52.00        | 50.29  | 0.52         | 0.85  |

Instrument : Sensa Core ST 200 plus

| Analyte     | Standard Unit | Result Value | Mean   | Z-Score | RMZ   |
|-------------|---------------|--------------|--------|---------|-------|
| @ Chloride  | mmol/L        | 118.00       | 110.94 | 0.80    | 0.91  |
| @ Sodium    | mmol/L        | 157.00       | 159.60 | -0.50   | 0.27  |
| @ Potassium | mmol/L        | 5.90         | 5.99   | -0.57   | -0.25 |

Legend @ : Acceptable  
! : 2.0 < z score < 3.0 - Warning  
X : z score ≥ 3 - Unacceptable  
# : Not Evaluated  
⊙ : Delayed Result Entry  
\* : Not considered for evaluation.

|                          |          |
|--------------------------|----------|
| Total Parameters         | 19       |
| Not Evaluated Parameters | 0        |
| Evaluated Parameters     | 19       |
| Outlier Parameters (X)   | 0        |
| EQAS Score Biochemistry  | 100.00 % |

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*Sensu*  
*10-7-24*

| Analyte       | Instrument  | Result Value | Standard Unit | Z-Score |
|---------------|-------------|--------------|---------------|---------|
| Cholesterol   | Erba EM 200 | 189.00       | mg/dl         | 2.3     |
| Triglycerides | Erba EM 200 | 172.50       | mg/dl         | 2.41    |

Legend @ : z score  $\leq$  2.0 - Acceptable  
 ! : 2.0 < z score < 3.0 - Warning  
 X : z score  $\geq$  3 - Unacceptable  
 # : Not Evaluated  
 Q : Delayed Result Entry  
 \* : Not considered for evaluation.

Problem Classification: All Parameters acceptable

Only Cholesterol & Triglyceride shows warning signal.

Corrective Action: But For sample No. 2 both are acceptable

Reviewed by: Ashwini

Dated: 10/07/2024

Instrument : Erba EM 200

| Analyte            | Standard Unit | Result Value | Mean   | Z-Score      | RMZ   |
|--------------------|---------------|--------------|--------|--------------|-------|
| @ Glucose          | mg/dl         | 85.70        | 83.88  | 0.00         | 0.48  |
| @ Urea             | mg/dl         | 27.30        | 24.64  | 1.05         | 1.14  |
| ! Creatinine       | mg/dl         | 0.62         | 0.95   | <u>-2.37</u> | -0.59 |
| @ Bilirubin Total  | mg/dl         | 0.19         | 0.15   | 0.63         | 0.29  |
| @ Bilirubin Direct | mg/dl         | 0.06         | 0.07   | -0.34        | 0.38  |
| @ Total Protein    | g/dL          | 7.51         | 7.02   | 0.30         | 0.73  |
| @ Albumin          | g/dL          | 4.33         | 4.18   | 0.36         | 0.05  |
| @ Uric Acid        | mg/dl         | 4.80         | 4.67   | 0.33         | -0.02 |
| @ Calcium          | mg/dl         | 8.40         | 8.45   | -0.27        | 0.06  |
| @ Cholesterol      | mg/dl         | 164.00       | 154.33 | 0.67         | 0.77  |
| @ Triglycerides    | mg/dl         | 131.90       | 121.73 | 0.58         | 1.08  |
| @ HDL              | mg/dl         | 27.10        | 33.71  | -1.17        | -0.21 |
| @ ALT              | U/L           | 8.00         | 5.33   | 1.23         | 0.45  |
| @ AST              | U/L           | 20.00        | 13.39  | 1.91         | 1.55  |
| ! ALP              | U/L           | 90.00        | 58.53  | <u>2.16</u>  | 0.59  |
| @ GGT              | U/L           | 29.00        | 29.99  | -0.20        | 0.31  |
| @ Amylase          | U/L           | 50.00        | 43.40  | 1.06         | 0.85  |

Instrument : Sensa Core ST 200 plus

| Analyte     | Standard Unit | Result Value | Mean   | Z-Score | RMZ   |
|-------------|---------------|--------------|--------|---------|-------|
| @ Chloride  | mmol/L        | 107.80       | 105.26 | 0.60    | 0.91  |
| @ Sodium    | mmol/L        | 133.60       | 138.70 | -0.03   | 0.27  |
| @ Potassium | mmol/L        | 4.90         | 5.13   | -0.56   | -0.25 |

Legend @ : Acceptable

! : 2.0 < z score < 3.0 - Warning

X : z score ≥ 3 - Unacceptable

# : Not Evaluated

⊙ : Delayed Result Entry

\* : Not considered for evaluation.

|                          |          |
|--------------------------|----------|
| Total Parameters         | 20       |
| Not Evaluated Parameters | 0        |
| Evaluated Parameters     | 20       |
| Outlier Parameters (X)   | 0        |
| EQAS Score Biochemistry  | 100.00 % |

*Dr Nigam*

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*[Signature]*  
10/7/24

| Analyte    | Instrument  | Result Value | Standard Unit | Z-Score |
|------------|-------------|--------------|---------------|---------|
| Creatinine | Erba EM 200 | 0.62         | mg/dl         | -2.37   |
| ALP        | Erba EM 200 | 90.00        | IU/L          | 2.16    |

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: All Parameters are acceptable.

Only Creatinine Z Score is -2.37 &

ALP 2.16 But Both Parameters are acceptable

Corrective Action: In Sample No. 01

Reviewed by: [Signature]  
10/7/24

Dated: 10/7/24