



Metropolis Healthcare Ltd., EQAS
MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA (456)
Outlier And Analyte Summary Report

Outlier Details For Cycle No 220309 and Sample No 01

Report Date : 10/12/2022

| Analyte | Instrument | Result Value | Standard Unit | Z-Score |
|---|-------------|--------------|---------------|---------|
| X Bilirubin Direct | Erba EM 200 | 0.21 | mg/dl | 3.82 |
| 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 : Erba EM 200

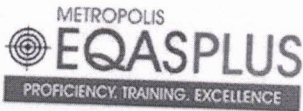
| Analyte | Standard Unit | Result Value | Mean | Z-Score | RMZ |
|--------------------|---------------|--------------|--------|---------|-------|
| X Bilirubin Direct | mg/dl | 0.21 | 0.08 | 3.82 | 0.05 |
| @ Glucose | mg/dl | 85.40 | 84.28 | 0.57 | 0.43 |
| @ Urea | mg/dl | 21.60 | 22.09 | 0.09 | 0.13 |
| @ Creatinine | mg/dl | 0.79 | 0.82 | -0.47 | 0.00 |
| @ Total Protein | g/dL | 7.10 | 7.09 | 0.00 | 0.28 |
| @ Albumin | g/dL | 3.69 | 3.94 | -0.85 | -0.27 |
| @ Uric Acid | mg/dl | 5.10 | 4.96 | 0.55 | 0.61 |
| @ Calcium | mg/dl | 8.50 | 8.72 | -0.18 | 0.55 |
| @ Cholesterol | mg/dl | 139.00 | 154.37 | -0.75 | 0.74 |
| @ Triglycerides | mg/dl | 130.40 | 116.06 | 1.45 | 0.57 |
| @ HDL | mg/dl | 31.40 | 33.56 | -0.42 | 0.67 |
| @ ALT | U/L | 8.50 | 7.56 | 0.52 | 2.87 |
| @ AST | U/L | 15.00 | 15.02 | -0.41 | 1.61 |
| @ ALP | U/L | 64.00 | 57.16 | 0.69 | 0.48 |
| @ LDH | U/L | 118.70 | 194.90 | -1.74 | 0.65 |
| @ Chloride | mmol/L | 111.80 | -- | -0.97 | -0.56 |
| @ Sodium | mmol/L | 144.00 | 144.53 | -0.86 | 0.12 |
| @ Potassium | mmol/L | 4.00 | 4.07 | -0.48 | -0.66 |

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 | 18 |
| Not Evaluated Parameters | 0 |
| Evaluated Parameters | 18 |
| Outlier Parameters (X) | 1 |
| EQAS Score Biochemistry | 94.44 % |

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



Metropolis Healthcare Ltd., EQAS
 MEDICENTRE SONOGRAPHY & CLINICAL LAB, BANSWARA (456)
 Outlier And Analyte Summary Report

Outlier Details For Cycle No 220309 and Sample No 02

Report Date : 10/12/2022

| Analyte | Instrument | Result Value | Standard Unit | Z-Score |
|---|-------------|--------------|---------------|---------|
| ! Bilirubin Total | Erba EM 200 | 0.91 | mg/dl | 2.91 |
| ! LDH | Erba EM 200 | 128.40 | U/L | -2.59 |
| Legend @ : z score ≤ 2.0 - Acceptable ! : 2.0 < z score < 3.0 - Warning X : z score ≥ 3 - Unacceptable # : Not Evaluated ⊕ : Delayed Result Entry * : Not considered for evaluation. | | | | |

Problem Classification: _____

Corrective Action: _____

Reviewed by: _____

Dated: _____

Instrument : Erba EM 200

| Analyte | Standard Unit | Result Value | Mean | Z-Score | RMZ |
|--------------------|---------------|--------------|--------|---------|-------|
| @ Glucose | mg/dl | 278.20 | 272.66 | 0.65 | 0.43 |
| @ Urea | mg/dl | 22.10 | 23.44 | -0.37 | 0.13 |
| @ Creatinine | mg/dl | 7.70 | 7.19 | 1.07 | 0.00 |
| ! Bilirubin Total | mg/dl | 0.91 | 0.37 | 2.91 | 0.65 |
| @ Bilirubin Direct | mg/dl | 0.35 | 0.38 | -0.23 | 0.05 |
| @ Total Protein | g/dL | 9.15 | 8.86 | 0.24 | 0.28 |
| @ Albumin | g/dL | 5.12 | 5.15 | -0.11 | -0.27 |
| @ Uric Acid | mg/dl | 4.80 | 4.69 | 0.48 | 0.61 |
| @ Calcium | mg/dl | 8.00 | 8.27 | -0.47 | 0.55 |
| @ Cholesterol | mg/dl | 136.00 | 149.16 | -0.42 | 0.74 |
| @ Triglycerides | mg/dl | 117.40 | 111.44 | 0.37 | 0.57 |
| @ HDL | mg/dl | 29.40 | 31.01 | -0.48 | 0.67 |
| @ ALT | U/L | 11.00 | 9.70 | 0.21 | 2.87 |
| @ AST | U/L | 19.80 | 17.55 | 0.49 | 1.61 |
| @ ALP | U/L | 51.00 | 49.58 | -0.17 | 0.48 |
| ! LDH | U/L | 128.40 | 202.13 | -2.59 | 0.65 |
| @ Chloride | mmol/L | 116.40 | -- | -1.26 | -0.56 |
| @ Sodium | mmol/L | 153.40 | 153.40 | -0.49 | 0.12 |
| @ Potassium | mmol/L | 4.17 | 4.10 | 0.06 | -0.66 |

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 % |

Dr Puneet Kumar Nigam

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

Bansal

| Sr.No. | Date | Product /Prospective Non-confirmance | Z score of EQAS result | Root Cause Check Points | | | | Corrective/ Preventive Action | | | | Responsible Person | CA/PA closed on date | Follow up for effectiveness of CA/PA taken | QM Sign | | |
|--------|----------|---|------------------------|-------------------------|------------------------|----------------------------------|--------------------------|--------------------------------------|--------------|-----------|--------|--------------------|----------------------|--|-----------------------|--------------------|--|
| | | | | Clerical Error | Methodological Problem | Technical Error in EQAS Specimen | IQC of date of EQAS run | Evaluation of results by PT Provider | Repeat Run | ILCP | Others | | | | | | |
| 1. | 14/12/22 | Bilirubin Direct (Sample - 1) (outlier) | 8.82 | - | - | Yes | mean (satisfactory) | - | 0.14 Yes | 0.15 - | - | - | Mohans | 18/12/22 | Yes | <i>[Signature]</i> | |
| 2. | 16/12/22 | LDH (Sample 1) (Sample 2) | 2.59 | - | - | - | +1.5SD (satisfactory) | - | 16/11 Yes | - | - | - | Mohans | 18/12/22 | Yes (Satisfactory) | <i>[Signature]</i> | |
| 3. | 16/12/22 | Bilirubin Total (Sample 1) (Sample 2) | 2.91 | - | - | - | +1.5SD (Satisfactory) | - | 0.51 Yes | 0.51 - | - | - | Mohans | 18/12/22 | Yes (Satisfactory) | <i>[Signature]</i> | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |

[Signature]
Mohan