



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2023



Lab Name KG CLINICAL LABORATORY

Lab No 16195

Constituent Group Chemistry II

Date of Result Entered : 20/04/2023

PT item Lyophilized human serum based

Date of Report Published : 06/05/2023

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 524 | 149.18 | 8.49 | 12.67 | 139.8 mg/dL | -0.74 | 1.11 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 479 | 37.53 | 11.09 | 4.16 | 54.29 mg/dL | 4.03 | 0.38 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 394 | 2.48 | 9.40 | 0.23 | 2.31 mg/dL | -0.73 | 0.02 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 480 | 3.12 | 16.43 | 0.51 | 2.1 mg/dL | -1.99 | 0.05 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 371 | 5.54 | 8.14 | 0.45 | 5.07 g/dL | -1.04 | 0.05 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 367 | 3.38 | 9.46 | 0.32 | 3.96 g/dL | 1.81 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 449 | 5.54 | 14.33 | 0.79 | 4.96 mg/dL | -0.73 | 0.07 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 523 | 117.23 | 11.15 | 13.08 | 122 mg/dL | 0.36 | 1.14 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 386 | 103.22 | 12.42 | 12.82 | 111.4 mg/dL | 0.64 | 1.30 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY

526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA

IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME
Cycle / Sample No. : CHEMISTRY - II
Month and year : APR-2023
Nature of Nonconformance :

Urea parameter is in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By:

Approved By:



Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By:

Approved By:





CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2023



PC-1024

| | | | |
|-------------------|-------------------------------|----------------------------|------------|
| Lab Name | KG CLINICAL LABORATORY | Lab No | 16195 |
| Constituent Group | Chemistry II | Date of Result Entered : | 20/05/2023 |
| PT item | Lyophilized human serum based | Date of Report Published : | 05/06/2023 |

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 575 | 187.02 | 8.58 | 16.04 | 175.8 mg/dL | -0.70 | 1.34 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 509 | 22.46 | 14.87 | 3.34 | 26.56 mg/dL | 1.23 | 0.30 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 406 | 5.71 | 9.48 | 0.54 | 3 mg/dL | -5.01 | 0.05 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 486 | 2.20 | 16.95 | 0.37 | 2.1 mg/dL | -0.27 | 0.03 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 386 | 5.66 | 7.95 | 0.45 | 6.64 g/dL | 2.18 | 0.05 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 381 | 3.40 | 9.62 | 0.33 | 4.25 g/dL | 2.60 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 473 | 6.71 | 12.33 | 0.83 | 6.26 mg/dL | -0.54 | 0.08 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 538 | 119.31 | 10.16 | 12.12 | 101.7 mg/dL | -1.45 | 1.04 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 432 | 130.83 | 11.72 | 15.33 | 159.8 mg/dL | 1.89 | 1.48 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY
526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA
IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY

EQA Programme Name : CMC VELLORE – EQAS PROGRAMME

Cycle / Sample No. : CHEMISTRY - II

Month and year : MAY-2023

Nature of Nonconformance :

Creatinine parameter is in unacceptable and action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By: 

Approved By: 

Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By: 

Approved By: 



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **20/07/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **07/08/2023**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 528 | 99.64 | 9.18 | 9.15 | 94.3 mg/dL | -0.58 | 0.80 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 512 | 132.98 | 12.67 | 16.85 | 33.62 mg/dL | -5.90 | 1.49 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 399 | 2.19 | 8.46 | 0.18 | 1.09 mg/dL | -6.11 | 0.02 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 464 | 3.22 | 14.83 | 0.48 | 0.52 mg/dL | -5.63 | 0.04 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 364 | 5.92 | 7.58 | 0.45 | 5.42 g/dL | -1.11 | 0.05 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 368 | 3.51 | 9.20 | 0.32 | 4.5 g/dL | 3.06 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 475 | 6.04 | 14.46 | 0.87 | 5.68 mg/dL | -0.41 | 0.08 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 557 | 126.33 | 11.97 | 15.12 | 198.3 mg/dL | 4.76 | 1.28 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 406 | 117.65 | 12.94 | 15.22 | 97.6 mg/dL | -1.32 | 1.51 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY

526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA

IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME
Cycle / Sample No. : CHEMISTRY - II
Month and year : July-2023
Nature of Nonconformance :

Urea, Creatinine, Total bilirubin and cholesterol parameters were in action signal.

Root Cause :
Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, we planned to monitor lab mean to improve our laboratory on quality and patient care.

Done By:

Approved By:



Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By:

Approved By:





CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - AUGUST 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **19/08/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **01/09/2023**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 546 | 183.98 | 9.01 | 16.57 | 226.8 mg/dL | 2.58 | 1.42 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 461 | 22.14 | 13.94 | 3.09 | 28.45 mg/dL | 2.04 | 0.29 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 399 | 5.74 | 9.54 | 0.55 | 2.3 mg/dL | -6.25 | 0.05 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 457 | 2.23 | 15.39 | 0.34 | 4.08 mg/dL | 5.44 | 0.03 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 371 | 5.60 | 8.22 | 0.46 | 6.81 g/dL | 2.63 | 0.05 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 362 | 3.38 | 9.16 | 0.31 | 4.4 g/dL | 3.29 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 459 | 6.67 | 12.17 | 0.81 | 5.58 mg/dL | -1.34 | 0.08 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 516 | 120.10 | 10.06 | 12.08 | 127.6 mg/dL | 0.62 | 1.06 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 389 | 130.74 | 10.63 | 13.89 | 128.1 mg/dL | -0.19 | 1.41 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY

526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA

IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME
Cycle / Sample No. : CHEMISTRY - II
Month and year : Aug-2023
Nature of Nonconformance :

Total bilirubin and creatinine parameters were in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By:

Approved By:



Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By:

Approved By:





CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**

Lab No **16195**

Constituent Group **Chemistry II**

Date of Result Entered : **20/09/2023**

PT item **Lyophilized human serum based**

Date of Report Published : **05/10/2023**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 569 | 342.22 | 9.37 | 32.08 | 316.9 mg/dL | -0.79 | 2.69 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 535 | 37.68 | 12.06 | 4.55 | 28.43 mg/dL | -2.03 | 0.39 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 412 | 1.10 | 13.18 | 0.14 | 1.34 mg/dL | 1.66 | 0.01 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 458 | 5.34 | 13.19 | 0.70 | 1.05 mg/dL | -6.13 | 0.07 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 384 | 5.51 | 8.20 | 0.45 | 5.39 g/dL | -0.27 | 0.05 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 384 | 3.31 | 9.32 | 0.31 | 3.66 g/dL | 1.13 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 458 | 10.00 | 11.26 | 1.13 | 8.38 mg/dL | -1.44 | 0.11 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 536 | 116.00 | 10.85 | 12.59 | 113.9 mg/dL | -0.17 | 1.09 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 418 | 201.87 | 10.68 | 21.56 | 184.7 mg/dL | -0.80 | 2.11 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY

526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA

IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY
EQA Programme Name : CMC VELLORE – EQAS PROGRAMME
Cycle / Sample No. : CHEMISTRY - II
Month and year : SEP-2023
Nature of Nonconformance :

Total bilirubin parameter is in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By:

Approved By:



Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By:

Approved By:





CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - OCTOBER 2023



PC-1024

Lab Name **KG CLINICAL LABORATORY**Lab No **16195**Constituent Group **Chemistry II**Date of Result Entered : **18/10/2023**PT item **Lyophilized human serum based**Date of Report Published : **04/11/2023**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------------|---|---------------|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Agape | 566 | 131.74 | 9.55 | 12.58 | 142.1 mg/dL | 0.82 | 1.06 |
| 2 | UREA II | Urease UV / GLDH II | Agape | 476 | 86.59 | 9.95 | 8.61 | 80.52 mg/dL | -0.70 | 0.79 |
| 3 | CREATININE II | Jaffes Kinetic- Alkaline Picrate II | Agape | 402 | 6.62 | 9.56 | 0.63 | 6.19 mg/dL | -0.68 | 0.06 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Agape | 449 | 8.58 | 10.71 | 0.92 | 2.61 mg/dL | -6.49 | 0.09 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Agape | 314 | 5.47 | 7.00 | 0.38 | 5.71 g/dL | 0.63 | 0.04 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Agape | 372 | 3.23 | 9.35 | 0.30 | 3.73 g/dL | 1.66 | 0.03 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Agape | 417 | 4.87 | 15.03 | 0.73 | 6.43 mg/dL | 2.13 | 0.07 |
| 8 | CHOLESTROL II | CHOD-PAP II | Agape | 529 | 107.32 | 11.49 | 12.33 | 94.9 mg/dL | -1.01 | 1.07 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Agape | 381 | 96.29 | 15.53 | 14.95 | 80.8 mg/dL | -1.04 | 1.53 |

| SDI Range | Interpretation |
|---------------------------------|--|
| Within -1.00 to +1.00 | Excellent. |
| Within ± 1.01 to ± 2.00 | Good. |
| Within ± 2.01 to ± 2.99 | Accept with caution. Warning Signal. |
| Beyond ± 3.0 | Unacceptable performance. Action Signal. |

LAB ADDRESS :

KG CLINICAL LABORATORY
526/4 PUTHEN PURACKAL BUILDING THEATRE JUNCTION, ANAKKARA
IDUKKI



KG Clinical Laboratory

EQA CORRECTIVE ACTION FORM

Name of the department : BIOCHEMISTRY

EQA Programme Name : CMC VELLORE – EQAS PROGRAMME

Cycle / Sample No. : CHEMISTRY - II

Month and year : OCT-2023

Nature of Nonconformance :

Total bilirubin parameter is in action signal

Root Cause :

Random error and IQC done successfully and found to satisfactory

Corrective and Preventive action taken:

As per the suggestion of NABL advisory consultants, EQAS programme samples will be analyzed, processed to monitor accordingly

Done By: 

Approved By: 


Review during the next EQAS / Effectiveness of Corrective Action:

Next month of EQAS programme samples will be analyzed, processed to monitor accordingly.

Done By: 

Approved By: 
