



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - SEPTEMBER 2021



PC-1024

Lab Name **AVIOR CLINICAL DIAGNOSTIC CENTRE** Lab No **7680**
 Constituent Group **Chemistry II** Date of Result Entered : **13/09/2021**
 PT Item **Lyophilized Serum** Date of Report Published : **05/10/2021**

| 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 | Transasia / Erba | 770 | 399.21 | 11.44 | 45.67 | 424.7 mg/dL | 0.56 | 3.29 |
| 2 | UREA II | Urease UV / GLDH II | Transasia / Erba | 584 | 90.64 | 11.10 | 10.06 | 101.4 mg/dL | 1.07 | 0.83 |
| 3 | CREATININE II | Enzymatic Colorimetric II | Transasia / Erba | 153 | 3.44 | 7.71 | 0.26 | 3.64 mg/dL | 0.75 | 0.04 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) / Jendrassik II | Transasia / Erba | 670 | 2.10 | 15.07 | 0.32 | 3 mg/dL | 2.84 | 0.02 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Transasia / Erba | 597 | 5.39 | 8.88 | 0.48 | 5.43 g/dL | 0.08 | 0.04 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Transasia / Erba | 616 | 3.22 | 9.51 | 0.31 | 3.32 g/dL | 0.33 | 0.02 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Transasia / Erba | 675 | 8.55 | 14.14 | 1.21 | 8.53 mg/dL | -0.02 | 0.09 |
| 8 | CHOLESTROL II | CHOD-PAP II | Transasia / Erba | 713 | 112.13 | 10.78 | 12.09 | 101 mg/dL | -0.92 | 0.91 |
| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Transasia / Erba | 658 | 217.36 | 11.08 | 24.09 | 256 mg/dL | 1.60 | 1.88 |

| 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. |

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Homogeneity and Stability of the sample is passed.
 Data in CMC EQAS reports is confidential
 CMC EQAS does not sub contract any components
 ***** End of Report *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

ALL ANALYSER SUMMARY REPORT - SEPTEMBER 2021



PC-1024

Lab Name AVIOR CLINICAL DIAGNOSTIC CENTRE

Lab No

7680

Constituent Group Chemistry II

Date of Result Entered

13/09/2021

PT Item Lyophilized Serum

Date of Report Published

05/10/2021

| Sl.No | Constituent Name | Method / Principle Name | Analyzer Name | No of Participants | CV | Participants | | Your Value | SD1 | U |
|-------|------------------|-----------------------------------------------|------------------------------------------------------|--------------------|--------|--------------|-------|-------------|------|-------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE II | GOD-POD II | Mindray | 143 | 403.99 | 11.17 | 45.12 | | | 7.55 |
| | | | Biosystems | 283 | 401.70 | 9.14 | 36.71 | | | 4.36 |
| | | | Transasia / Erba | 770 | 399.21 | 11.44 | 45.67 | 424.7 mg/dL | 0.56 | 3.29 |
| | | | Agape | 285 | 403.14 | 9.49 | 38.24 | | | 4.53 |
| | | | Trivitron (Labmate / Nanolab Series) | 28 | 373.23 | 14.02 | 52.32 | | | 19.77 |
| | | | Robonik (Semi automatic / Fully Automatic) | 452 | 386.04 | 13.08 | 50.50 | | | 4.75 |
| | | | CPC (Turbochem 100 / 240 Prime | 81 | 399.99 | 11.31 | 45.22 | | | 10.05 |
| | | | Any Analyser (Automation / Semi Automation) | 1006 | 386.50 | 11.89 | 45.96 | | | 2.90 |
| 2 | UREA II | Urease UV / GLDH II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 43 | 90.53 | 6.33 | 5.73 | | | 1.75 |
| | | | Beckman AU480/680/5800/DXC700AU | 31 | 96.21 | 3.49 | 3.35 | | | 1.20 |
| | | | Mindray | 112 | 91.16 | 8.16 | 7.44 | | | 1.41 |
| | | | Biosystems | 216 | 88.53 | 10.44 | 9.24 | | | 1.26 |
| | | | Transasia / Erba | 584 | 90.64 | 11.10 | 10.06 | 101.4 mg/dL | 1.07 | 0.83 |
| | | | Agape | 233 | 91.04 | 10.17 | 9.26 | | | 1.21 |
| | | | Trivitron (Labmate / Nanolab Series) | 16 | 82.74 | 15.42 | 12.76 | | | 6.38 |
| | | | Robonik (Semi automatic / Fully Automatic) | 153 | 86.04 | 10.74 | 9.24 | | | 1.49 |
| 3 | CREATININE II | Enzymatic Colorimetric II | CPC (Turbochem 100 / 240 Prime | 59 | 93.23 | 7.98 | 7.44 | | | 1.94 |
| | | | Any Analyser (Automation / Semi Automation) | 576 | 89.70 | 12.21 | 10.96 | | | 0.91 |
| | | | Mindray | 33 | 3.47 | 9.71 | 0.34 | | | 0.12 |
| | | | Biosystems | 19 | 3.34 | 18.21 | 0.61 | | | 0.28 |
| | | | Transasia / Erba | 153 | 3.44 | 7.71 | 0.26 | 3.64 mg/dL | 0.75 | 0.04 |
| | | | Agape | 28 | 3.27 | 5.62 | 0.18 | | | 0.07 |
| | | | Any Analyser (Automation / Semi Automation) | 88 | 3.33 | 11.47 | 0.38 | | | 0.08 |
| | | | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 43 | 1.92 | 9.04 | 0.17 | | | 0.05 |
| 4 | T.BILIRUBIN II | Diazonium Salt (Colorimetric) Jendrassik II | Beckman AU480/680/5800/DXC700AU | 29 | 2.30 | 6.57 | 0.15 | | | 0.06 |
| | | | Mindray | 125 | 2.12 | 13.90 | 0.30 | | | 0.05 |
| | | | Biosystems | 238 | 2.34 | 15.36 | 0.36 | | | 0.05 |
| | | | Transasia / Erba | 670 | 2.10 | 15.07 | 0.32 | 3 mg/dL | 2.84 | 0.02 |
| | | | Agape | 216 | 2.21 | 15.29 | 0.34 | | | 0.05 |
| | | | Trivitron (Labmate / Nanolab Series) | 19 | 2.35 | 17.82 | 0.42 | | | 0.19 |

| | | | | | | | | | | |
|---|---------------|-------------------------------------|------------------------------------------------------|-----|--------|-------|-------|------------|-------|------|
| | | | Robonik (Semi automatic / Fully Automatic) | 259 | 2.19 | 20.32 | 0.45 | | | 0.06 |
| | | | CPC (Turbochem 100 / 240 Prime | 70 | 2.09 | 15.01 | 0.31 | | | 0.07 |
| | | | Any Analyser (Automation / Semi Automation) | 830 | 2.22 | 17.99 | 0.40 | | | 0.03 |
| 5 | T-PROTEIN II | Biuret - Colorimetric II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 37 | 4.87 | 4.48 | 0.22 | | | 0.07 |
| | | | Beckman AU480/680/5800/DXC700AU | 26 | 4.86 | 4.88 | 0.24 | | | 0.09 |
| | | | Mindray | 121 | 5.13 | 7.50 | 0.38 | | | 0.07 |
| | | | Biosystems | 235 | 5.24 | 8.88 | 0.46 | | | 0.06 |
| | | | Transasia / Erba | 597 | 5.39 | 8.88 | 0.48 | 5.43 g/dL | 0.08 | 0.04 |
| | | | Agape | 169 | 5.17 | 8.70 | 0.45 | | | 0.07 |
| | | | Trivitron (Labmate / Nanolab Series) | 20 | 5.66 | 7.13 | 0.40 | | | 0.18 |
| | | | Robonik (Semi automatic / Fully Automatic) | 172 | 5.33 | 10.42 | 0.56 | | | 0.08 |
| | | | CPC (Turbochem 100 / 240 Prime | 67 | 5.18 | 9.68 | 0.50 | | | 0.12 |
| | | | Any Analyser (Automation / Semi Automation) | 751 | 5.37 | 9.93 | 0.53 | | | 0.04 |
| 6 | ALBUMIN II | BCG - Colorimetric II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 39 | 3.11 | 4.80 | 0.15 | | | 0.05 |
| | | | Beckman AU480/680/5800/DXC700AU | 29 | 2.98 | 4.90 | 0.15 | | | 0.05 |
| | | | Mindray | 124 | 3.21 | 8.83 | 0.28 | | | 0.05 |
| | | | Biosystems | 244 | 3.17 | 8.91 | 0.28 | | | 0.04 |
| | | | Transasia / Erba | 616 | 3.22 | 9.51 | 0.31 | 3.32 g/dL | 0.33 | 0.02 |
| | | | Agape | 163 | 3.24 | 8.83 | 0.29 | | | 0.04 |
| | | | Trivitron (Labmate / Nanolab Series) | 21 | 3.34 | 12.64 | 0.42 | | | 0.18 |
| | | | Robonik (Semi automatic / Fully Automatic) | 176 | 3.22 | 10.54 | 0.34 | | | 0.05 |
| | | | CPC (Turbochem 100 / 240 Prime | 73 | 3.22 | 11.53 | 0.37 | | | 0.09 |
| | | | Any Analyser (Automation / Semi Automation) | 733 | 3.19 | 9.97 | 0.32 | | | 0.02 |
| 7 | URIC ACID II | Enzymatic / Uricase Colorimetric II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 40 | 8.37 | 5.78 | 0.48 | | | 0.15 |
| | | | Beckman AU480/680/5800/DXC700AU | 25 | 8.40 | 4.87 | 0.41 | | | 0.16 |
| | | | Mindray | 122 | 8.39 | 12.38 | 1.04 | | | 0.19 |
| | | | Biosystems | 247 | 8.70 | 10.85 | 0.94 | | | 0.12 |
| | | | Transasia / Erba | 675 | 8.55 | 14.14 | 1.21 | 8.53 mg/dL | -0.02 | 0.09 |
| | | | Agape | 215 | 8.28 | 10.25 | 0.85 | | | 0.12 |
| | | | Trivitron (Labmate / Nanolab Series) | 19 | 7.62 | 20.12 | 1.53 | | | 0.70 |
| | | | Robonik (Semi automatic / Fully Automatic) | 221 | 8.41 | 14.37 | 1.21 | | | 0.16 |
| | | | CPC (Turbochem 100 / 240 Prime | 66 | 8.42 | 11.53 | 0.97 | | | 0.24 |
| | | | Any Analyser (Automation / Semi Automation) | 799 | 8.43 | 13.92 | 1.17 | | | 0.08 |
| 8 | CHOLESTROL II | CHOD-PAP II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 42 | 109.29 | 5.52 | 6.04 | | | 1.86 |
| | | | Beckman AU480/680/5800/DXC700AU | 30 | 112.59 | 4.62 | 5.20 | | | 1.90 |
| | | | Mindray | 138 | 113.82 | 10.26 | 11.68 | | | 1.99 |
| | | | Biosystems | 261 | 114.91 | 9.41 | 10.81 | | | 1.34 |
| | | | Transasia / Erba | 713 | 112.13 | 10.78 | 12.09 | 101 mg/dL | -0.92 | 0.91 |
| | | | Agape | 278 | 108.09 | 11.39 | 12.32 | | | 1.48 |
| | | | Trivitron (Labmate / Nanolab Series) | 26 | 119.23 | 9.84 | 11.74 | | | 4.60 |
| | | | Robonik (Semi automatic / Fully Automatic) | 428 | 114.28 | 11.96 | 13.67 | | | 1.32 |
| | | | CPC (Turbochem 100 / 240 Prime | 68 | 108.57 | 12.98 | 14.09 | | | 3.42 |
| | | | Any Analyser (Automation / Semi Automation) | 973 | 115.65 | 11.78 | 13.62 | | | 0.87 |

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External Quality Assurance Scheme - Print Monthly All Result Summary

| 9 | TRIGLYCERIDE II | GPO-PAP / Enzymatic Colorimetric / End Point II | Roche C111, C311, Integra 400 plus, C501, C502, C702 | 35 | 242.96 | 6.25 | 15.18 | | | 5.13 |
|---|-----------------|-------------------------------------------------|------------------------------------------------------|-----|--------|-------|-------|-----------|------|-------|
| | | | Beckman AU480/680/5800/DXC700AU | 29 | 231.91 | 4.37 | 10.14 | | | 3.76 |
| | | | Mindray | 126 | 230.68 | 9.14 | 21.09 | | | 3.76 |
| | | | Biosystems | 234 | 229.21 | 9.87 | 22.63 | | | 2.96 |
| | | | Transasia / Erba | 658 | 217.36 | 11.08 | 24.09 | 256 mg/dL | 1.60 | 1.88 |
| | | | Agape | 191 | 224.03 | 10.84 | 23.84 | | | 3.45 |
| | | | Trivitron (Labmate / Nanolab Series) | 25 | 222.35 | 11.32 | 25.18 | | | 10.07 |
| | | | Robonik (Semi automatic / Fully Automatic) | 201 | 214.93 | 13.92 | 29.91 | | | 4.22 |
| | | | CPC (Turbochem 100 / 240 Prime | 70 | 227.18 | 12.19 | 27.69 | | | 6.62 |
| | | | Any Analyser (Automation / Semi Automation) | 806 | 223.24 | 11.93 | 26.62 | | | 1.88 |

| 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. |

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 Dr. Pamela Christudoss
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Homogeneity and Stability of the sample is passed.
 Data in CMC EQAS reports is confidential
 CMC EQAS does not sub contract any components
 ***** End of Report *****