



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **28/01/2022**

PT item **Lyophilized Serum**

Date of Report Published : **07/02/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 774 | 136.11 | 6.22 | 8.46 | 139 mg/dL | 0.34 | 0.61 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 735 | 48.50 | 8.55 | 4.15 | 47 mg/dL | -0.36 | 0.31 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 343 | 1.70 | 7.54 | 0.13 | 1.5 mg/dL | -1.56 | 0.01 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 747 | 2.21 | 13.06 | 0.29 | 2.5 mg/dL | 1.01 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 747 | 5.31 | 6.99 | 0.37 | 5.3 g/dL | -0.03 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 770 | 3.07 | 6.65 | 0.20 | 3.3 g/dL | 1.13 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 548 | 9.47 | 8.06 | 0.76 | 9.2 mg/dL | -0.35 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 368 | 5.38 | 10.07 | 0.54 | 3.5 mg/dL | -3.48 | 0.06 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 743 | 7.43 | 9.04 | 0.67 | 7.2 mg/dL | -0.34 | 0.05 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 762 | 97.32 | 9.17 | 8.93 | 107 mg/dL | 1.08 | 0.65 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 703 | 109.79 | 10.00 | 10.98 | 111 mg/dL | 0.11 | 0.83 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 543 | 24.83 | 10.03 | 2.49 | 28 mg/dL | 1.27 | 0.21 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 730 | 135.21 | 3.10 | 4.19 | 139 mmol/L | 0.90 | 0.31 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 700 | 3.64 | 5.24 | 0.19 | 3.4 mmol/L | -1.26 | 0.01 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 548 | 105.25 | 3.95 | 4.15 | 102 mmol/L | -0.78 | 0.35 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 576 | 47.98 | 11.70 | 5.61 | 42 U/L | -1.07 | 0.47 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 560 | 106.93 | 13.87 | 14.83 | 118 U/L | 0.75 | 1.25 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 683 | 67.58 | 14.18 | 9.58 | 70 U/L | 0.25 | 0.73 |

| 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 :

RAMNAD CLINICAL LABORATORY

RAMNAD CLINICAL LABORATORY , 16-C, AKS COMPLEX R.R. SETHUPATHY NAGAR

RAMANATHAPURAM

TAMILNADU623501

Pamela Christudoss



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - FEBRUARY 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **22/02/2022**

PT item **Lyophilized Serum**

Date of Report Published : **05/03/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 821 | 294.30 | 6.37 | 18.74 | 332.7 mg/dL | 2.05 | 1.31 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 806 | 28.80 | 9.74 | 2.80 | 25.1 mg/dL | -1.32 | 0.20 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 386 | 1.05 | 8.21 | 0.09 | 1.07 mg/dL | 0.23 | 0.01 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 812 | 5.11 | 9.09 | 0.46 | 4.92 mg/dL | -0.41 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 814 | 5.81 | 7.66 | 0.44 | 5.84 g/dL | 0.07 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 852 | 3.31 | 5.11 | 0.17 | 3.4 g/dL | 0.53 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 580 | 10.74 | 8.30 | 0.89 | 10.5 mg/dL | -0.27 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 395 | 6.26 | 9.59 | 0.60 | 6 mg/dL | -0.43 | 0.06 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 799 | 4.36 | 10.11 | 0.44 | 4.1 mg/dL | -0.59 | 0.03 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 830 | 107.72 | 8.35 | 8.99 | 101 mg/dL | -0.75 | 0.62 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 787 | 81.80 | 14.19 | 11.60 | 77.1 mg/dL | -0.40 | 0.83 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 579 | 27.89 | 10.37 | 2.89 | 38 mg/dL | 3.5 | 0.24 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 824 | 133.88 | 3.20 | 4.28 | 135 mmol/L | 0.26 | 0.30 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 828 | 4.71 | 5.58 | 0.26 | 4.5 mmol/L | -0.80 | 0.02 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 655 | 99.62 | 4.06 | 4.04 | 94 mmol/L | -1.39 | 0.32 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 678 | 133.94 | 9.46 | 12.67 | 126.9 U/L | -0.56 | 0.97 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 668 | 80.16 | 10.90 | 8.74 | 85.8 U/L | 0.65 | 0.68 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 763 | 64.14 | 17.09 | 10.96 | 78 U/L | 1.26 | 0.79 |

| 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 :

RAMNAD CLINICAL LABORATORY

RAMNAD CLINICAL LABORATORY , 16-C, AKS COMPLEX R.R. SETHUPATHY NAGAR

RAMANATHAPURAM

TAMILNADU623501

Pamela Christudoss



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MARCH 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **22/03/2022**

PT item **Lyophilized Serum**

Date of Report Published : **06/04/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 869 | 113.50 | 6.71 | 7.61 | 113.4 mg/dL | -0.01 | 0.52 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 841 | 84.12 | 7.12 | 5.99 | 88.4 mg/dL | 0.71 | 0.41 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 409 | 4.28 | 6.03 | 0.26 | 5 mg/dL | 2.79 | 0.03 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 845 | 1.44 | 15.11 | 0.22 | 1.2 mg/dL | -1.11 | 0.01 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 896 | 5.30 | 7.47 | 0.40 | 5.3 g/dL | 0.00 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 887 | 3.07 | 6.28 | 0.19 | 3.3 g/dL | 1.19 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 592 | 8.97 | 8.58 | 0.77 | 8.5 mg/dL | -0.61 | 0.06 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 409 | 4.00 | 10.99 | 0.44 | 2.5 mg/dL | -3.41 | 0.04 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 820 | 8.55 | 7.65 | 0.65 | 7.5 mg/dL | -1.61 | 0.05 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 910 | 100.78 | 9.11 | 9.18 | 108 mg/dL | 0.79 | 0.61 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 833 | 187.85 | 7.94 | 14.92 | 192 mg/dL | 0.28 | 1.03 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 653 | 25.76 | 9.49 | 2.44 | 28 mg/dL | 0.92 | 0.19 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 920 | 124.76 | 4.58 | 5.71 | 124 mmol/L | -0.13 | 0.38 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 882 | 2.97 | 6.60 | 0.20 | 3 mmol/L | 0.15 | 0.01 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 702 | 91.37 | 5.08 | 4.64 | 85 mmol/L | -1.37 | 0.35 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 745 | 229.37 | 10.37 | 23.79 | 228 U/L | -0.06 | 1.74 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 716 | 147.91 | 13.68 | 20.23 | 162 U/L | 0.70 | 1.51 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 749 | 202.54 | 15.42 | 31.23 | 232 U/L | 0.94 | 2.28 |

| 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 :

RAMNAD CLINICAL LABORATORY

RAMNAD CLINICAL LABORATORY , 16-C, AKS COMPLEX R.R. SETHUPATHY NAGAR

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - APRIL 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **19/04/2022**

PT item **Lyophilized Serum**

Date of Report Published : **05/05/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 922 | 232.75 | 6.37 | 14.83 | 235 mg/dL | 0.15 | 0.98 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 873 | 37.51 | 9.31 | 3.49 | 33 mg/dL | -1.29 | 0.24 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 430 | 5.34 | 5.50 | 0.29 | 5.2 mg/dL | -0.48 | 0.03 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 857 | 2.79 | 11.03 | 0.31 | 2.3 mg/dL | -1.59 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 928 | 5.85 | 7.97 | 0.47 | 7.5 g/dL | 3.54 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 921 | 3.31 | 5.20 | 0.17 | 3.3 g/dL | -0.06 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 614 | 10.88 | 8.01 | 0.87 | 10.5 mg/dL | -0.44 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 417 | 6.18 | 9.35 | 0.58 | 5 mg/dL | -2.04 | 0.06 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 863 | 7.33 | 7.93 | 0.58 | 6.8 mg/dL | -0.91 | 0.04 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 888 | 106.47 | 7.49 | 7.98 | 97 mg/dL | -1.19 | 0.54 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 846 | 108.02 | 10.90 | 11.77 | 101 mg/dL | -0.60 | 0.81 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 661 | 27.95 | 10.75 | 3.00 | 25 mg/dL | -0.98 | 0.23 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 986 | 135.62 | 2.99 | 4.05 | 133 mmol/L | -0.65 | 0.26 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 958 | 3.94 | 5.03 | 0.20 | 3.9 mmol/L | -0.20 | 0.01 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 739 | 105.68 | 3.86 | 4.08 | 100 mmol/L | -1.39 | 0.30 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 766 | 112.15 | 11.29 | 12.66 | 116 U/L | 0.30 | 0.92 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 761 | 54.94 | 16.20 | 8.90 | 48 U/L | -0.78 | 0.65 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 844 | 126.36 | 15.24 | 19.25 | 166 U/L | 2.06 | 1.33 |

| 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 :

RAMNAD CLINICAL LABORATORY

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - MAY 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **20/05/2022**

PT item **Lyophilized Serum**

Date of Report Published : **08/06/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 975 | 194.78 | 6.81 | 13.27 | 196.7 mg/dL | 0.14 | 0.85 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 880 | 62.48 | 8.12 | 5.08 | 68.8 mg/dL | 1.25 | 0.34 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 444 | 2.56 | 6.49 | 0.17 | 2.6 mg/dL | 0.24 | 0.02 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 946 | 3.54 | 11.83 | 0.42 | 3.6 mg/dL | 0.14 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 885 | 6.36 | 6.83 | 0.43 | 6.8 g/dL | 1.01 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 942 | 3.49 | 5.64 | 0.20 | 3.4 g/dL | -0.46 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 650 | 11.45 | 9.40 | 1.08 | 10.1 mg/dL | -1.25 | 0.08 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 453 | 5.42 | 11.49 | 0.62 | 3.7 mg/dL | -2.77 | 0.06 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 851 | 5.29 | 8.68 | 0.46 | 5.3 mg/dL | 0.02 | 0.03 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 915 | 114.05 | 8.08 | 9.22 | 113 mg/dL | -0.11 | 0.61 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 866 | 82.91 | 13.38 | 11.09 | 70.2 mg/dL | -1.15 | 0.75 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 655 | 27.84 | 10.34 | 2.88 | 14.7 mg/dL | -4.56 | 0.23 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1024 | 139.25 | 3.38 | 4.71 | 139 mmol/L | -0.05 | 0.29 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1002 | 4.58 | 5.70 | 0.26 | 4.5 mmol/L | -0.31 | 0.02 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 785 | 102.75 | 4.07 | 4.18 | 101 mmol/L | -0.42 | 0.30 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 801 | 64.58 | 11.79 | 7.62 | 51.9 U/L | -1.66 | 0.54 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 776 | 47.67 | 17.27 | 8.23 | 68.9 U/L | 2.58 | 0.59 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 827 | 99.86 | 15.84 | 15.82 | 84 U/L | -1.00 | 1.10 |

| 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 :

RAMNAD CLINICAL LABORATORY

RAMNAD CLINICAL LABORATORY , 16-C, AKS COMPLEX R.R. SETHUPATHY NAGAR

RAMANATHAPURAM

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JUNE 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **22/06/2022**

PT item **Lyophilized Serum**

Date of Report Published : **07/07/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|--------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 912 | 146.05 | 5.75 | 8.40 | 168 mg/dL | 2.61 | 0.56 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 877 | 87.87 | 7.20 | 6.32 | 97 mg/dL | 1.44 | 0.43 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 449 | 8.52 | 5.93 | 0.50 | 8.3 mg/dL | -0.44 | 0.05 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 910 | 5.75 | 9.02 | 0.52 | 6 mg/dL | 0.48 | 0.03 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 934 | 4.93 | 9.13 | 0.45 | 5 g/dL | 0.16 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 947 | 2.81 | 6.02 | 0.17 | 3 g/dL | 1.12 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 627 | 8.39 | 10.05 | 0.84 | 7.8 mg/dL | -0.70 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 444 | 3.46 | 12.55 | 0.43 | 3 mg/dL | -1.06 | 0.04 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 871 | 10.57 | 9.60 | 1.01 | 10.5 mg/dL | -0.07 | 0.07 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 906 | 84.63 | 10.58 | 8.95 | 85 mg/dL | 0.04 | 0.59 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 867 | 125.02 | 8.96 | 11.21 | 115 mg/dL | -0.89 | 0.76 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 654 | 22.16 | 11.34 | 2.51 | 25 mg/dL | 1.13 | 0.20 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 961 | 113.20 | 5.02 | 5.68 | 129.9 mmol/L | 2.94 | 0.37 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 972 | 2.04 | 11.50 | 0.24 | 1.8 mmol/L | -1.02 | 0.02 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 796 | 82.39 | 7.07 | 5.82 | 76 mmol/L | -1.10 | 0.41 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 784 | 48.43 | 11.67 | 5.65 | 48 U/L | -0.08 | 0.40 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 764 | 92.88 | 17.71 | 16.45 | 101 U/L | 0.49 | 1.19 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 719 | 375.04 | 13.88 | 52.06 | 350 U/L | -0.48 | 3.88 |

| 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. |

LAB ADDRESS :

RAMNAD CLINICAL LABORATORY

RAMNAD CLINICAL LABORATORY , 16-C, AKS COMPLEX R.R. SETHUPATHY NAGAR

RAMANATHAPURAM

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CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JULY 2022



PC-1024

Lab Name **RAMNAD CLINICAL LABORATORY**

Lab No **2589**

Constituent Group **Chemistry I**

Date of Result Entered : **21/07/2022**

PT item **Lyophilized Serum**

Date of Report Published : **05/08/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|--|--------------------|--------|--------------|-------|------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | GOD-POD | Transasia / Erba | 924 | 319.86 | 6.71 | 21.47 | 296 mg/dL | -1.11 | 1.41 |
| 2 | UREA | Urease UV / GLDH | Transasia / Erba | 938 | 131.80 | 8.04 | 10.60 | 138 mg/dL | 0.59 | 0.69 |
| 3 | CREATININE | Enzymatic Colorimetric | Transasia / Erba | 459 | 4.41 | 6.53 | 0.29 | 4.8 mg/dL | 1.35 | 0.03 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Transasia / Erba | 981 | 0.97 | 19.05 | 0.18 | 1.8 mg/dL | 4.51 | 0.01 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Transasia / Erba | 952 | 6.08 | 7.45 | 0.45 | 5.5 g/dL | -1.28 | 0.03 |
| 6 | ALBUMIN | BCG - colorimetric | Transasia / Erba | 971 | 3.46 | 5.97 | 0.21 | 3.5 g/dL | 0.19 | 0.01 |
| 7 | CALCIUM | Arsenazo III | Transasia / Erba | 668 | 10.20 | 8.48 | 0.86 | 9.5 mg/dL | -0.81 | 0.07 |
| 8 | PHOSPHORUS | Molybdate UV / Phosphomolybdate complex | Transasia / Erba | 446 | 7.09 | 9.74 | 0.69 | 6.8 mg/dL | -0.42 | 0.07 |
| 9 | URIC ACID | Enzymatic / Uricase Colorimetric | Transasia / Erba | 915 | 3.53 | 11.62 | 0.41 | 3.3 mg/dL | -0.56 | 0.03 |
| 10 | CHOLESTEROL | CHOD-PAP | Transasia / Erba | 934 | 113.21 | 7.99 | 9.05 | 101 mg/dL | -1.35 | 0.59 |
| 11 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Transasia / Erba | 881 | 238.60 | 8.40 | 20.03 | 228 mg/dL | -0.53 | 1.35 |
| 12 | HDL | Direct method / Enzymatic colorimetric | Transasia / Erba | 692 | 27.55 | 10.30 | 2.84 | 25 mg/dL | -0.90 | 0.22 |
| 13 | SODIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1047 | 139.31 | 3.44 | 4.80 | 141 mmol/L | 0.35 | 0.30 |
| 14 | POTASSIUM | ISE - Direct | Any Analyser (Automation / Semi Automation) | 1099 | 5.06 | 6.41 | 0.32 | 5.3 mmol/L | 0.74 | 0.02 |
| 15 | CHLORIDE | ISE - Direct | Any Analyser (Automation / Semi Automation) | 878 | 100.12 | 4.63 | 4.64 | 94 mmol/L | -1.32 | 0.31 |
| 16 | AST | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 828 | 125.74 | 9.92 | 12.47 | 128 U/L | 0.18 | 0.87 |
| 17 | ALT | UV kinetic(with & without PLP (P-5-P)) | Transasia / Erba | 835 | 57.35 | 13.54 | 7.76 | 55 U/L | -0.30 | 0.54 |
| 18 | ALP | PNP AMP kinetic | Transasia / Erba | 824 | 233.68 | 14.44 | 33.74 | 335 U/L | 3 | 2.35 |

| 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 :

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