



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY
CMC EXTERNAL QUALITY ASSURANCE SCHEME
MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
Constituent Group **Chemistry I** Date of Result Entered : **19/01/2022**
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 | Hexokinase | Siemens (Advia Series / Dimension Series) | 82 | 132.31 | 4.25 | 5.63 | 134 mg/dl | 0.30 | 1.24 |
| 2 | UREA | Urease UV / GLDH | Siemens (Advia Series / Dimension Series) | 103 | 46.75 | 7.11 | 3.32 | 45 mg/dl | -0.53 | 0.66 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Siemens (Advia Series / Dimension Series) | 94 | 1.78 | 5.90 | 0.10 | 1.68 mg/dl | -0.95 | 0.02 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Siemens (Advia Series / Dimension Series) | 102 | 2.35 | 5.19 | 0.12 | 2.3 mg/dl | -0.41 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Siemens (Advia Series / Dimension Series) | 103 | 4.80 | 3.31 | 0.16 | 5.1 g/dl | 1.89 | 0.03 |
| 6 | ALBUMIN | BCP - Bromocresol purple (colorimetric) | Siemens (Advia Series / Dimension Series) | 75 | 2.84 | 5.31 | 0.15 | 2.9 g/dl | 0.40 | 0.03 |
| 7 | CALCIUM | OCPC (O - Cresolphthalein Compleazone) | Siemens (Advia Series / Dimension Series) | 66 | 8.64 | 4.92 | 0.42 | 8.6 mg/dl | -0.09 | 0.10 |
| 8 | URIC ACID | Enzymatic / Uricase Colorimetric | Siemens (Advia Series / Dimension Series) | 97 | 6.79 | 3.99 | 0.27 | 6.8 mg/dl | 0.04 | 0.05 |
| 9 | CHOLESTEROL | CHOD-PAP | Siemens (Advia Series / Dimension Series) | 96 | 82.69 | 7.06 | 5.84 | 87 mg/dl | 0.74 | 1.19 |
| 10 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Siemens (Advia Series / Dimension Series) | 100 | 128.52 | 4.95 | 6.36 | 127 mg/dl | -0.24 | 1.27 |
| 11 | HDL CHO | Direct method / Enzymatic colorimetric | Siemens (Advia Series / Dimension Series) | 89 | 25.37 | 7.80 | 1.98 | 26 mg/dl | 0.32 | 0.42 |
| 12 | ALP | PNP AMP kinetic | Siemens (Advia Series / Dimension Series) | 96 | 65.23 | 7.85 | 5.12 | 89 U/L | 4.64 | 1.05 |
| 13 | AMYLASE | CNPG3 | Siemens (Advia Series / Dimension Series) | 52 | 40.62 | 5.74 | 2.33 | 42 U/L | 0.59 | 0.65 |
| 14 | IRON | Ferrene (No Protein Removal) | Siemens (Advia Series / Dimension Series) | 25 | 136.25 | 3.41 | 4.64 | 136 ug/dl | -0.05 | 1.86 |

| 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 :
IMPULSE DIAGNOSTICS

**HAILAKANDI ROAD
SILCHAR
ASSAM788015**

**Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
Contact Number: 0416-2283102**

Pamela Christudoss

**Dr. Pamela Christudoss
CMC EQAS Coordinator
Christian Medical College, Vellore**

**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 *******

Department of Biochemistry

Internal Quality Control (IQC) & CV% (Biochemistry)

| S.NO | Date | Nature of Problem | Root cause analysis and corrective and preventive actions | Date of Closure | Signature |
|------|--------------------------------|----------------------------------|---|-----------------|-----------|
| 1 | 03/01/2022 (Date of Result) | Value of CV% of Glucose was high | We have done the machine maintenance checked for all parameter's, Distilled water has been changed, Probe has been checked and changed, again all parameter has been recalibrated by the service engineer. Temperature record were checked. Then value reports came normal. | 22/02/2022 | Janta DM |

IMPULSE
DIAGNOSTICS



LAB MONTHLY SUMMARY



Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
 Month **December** Year **2021**
 Constituent Group **Chemistry I**



Date of Result Entered : 03/12/2021

Date of Report Published : 03/01/2022

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|--------------|--|---|--------------------|--------|--------------|-------|------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | GLUCOSE | Hexokinase | Siemens (Advia Series / Dimension Series) | 86 | 186.26 | 3.53 | 6.57 | 166 mg/dl | -3.09 | 1.42 |
| 2 | UREA | Urease UV / GLDH | Siemens (Advia Series / Dimension Series) | 108 | 89.78 | 5.81 | 5.21 | 88 mg/dl | -0.34 | 1.00 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Siemens (Advia Series / Dimension Series) | 96 | 7.33 | 3.89 | 0.28 | 7.14 mg/dl | -0.67 | 0.06 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Siemens (Advia Series / Dimension Series) | 105 | 2.41 | 4.78 | 0.12 | 2.4 mg/dl | -0.09 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Siemens (Advia Series / Dimension Series) | 109 | 5.07 | 3.43 | 0.17 | 5.1 g/dl | 0.17 | 0.03 |
| 6 | ALBUMIN | BCP - Bromocresol purple (colorimetric) | Siemens (Advia Series / Dimension Series) | 89 | 3.05 | 5.48 | 0.17 | 2.9 g/dl | -0.90 | 0.04 |
| 7 | CALCIUM | OCPC (O - Cresolphthalein Compleazone) | Siemens (Advia Series / Dimension Series) | 60 | 10.47 | 5.46 | 0.57 | 10.9 mg/dl | 0.75 | 0.15 |
| 8 | URIC ACID | Enzymatic / Uricase Colorimetric | Siemens (Advia Series / Dimension Series) | 100 | 8.81 | 3.58 | 0.32 | 8.7 mg/dl | -0.35 | 0.06 |
| 9 | CHOLESTEROL | CHOD-PAP | Siemens (Advia Series / Dimension Series) | 106 | 88.50 | 6.50 | 5.75 | 83 mg/dl | -0.96 | 1.12 |
| 10 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Siemens (Advia Series / Dimension Series) | 102 | 204.83 | 3.89 | 7.98 | 192 mg/dl | -1.61 | 1.58 |
| 11 | HDL CHO | Direct method / Enzymatic colorimetric | Siemens (Advia Series / Dimension Series) | 95 | 26.50 | 5.34 | 1.42 | 27 mg/dl | 0.35 | 0.29 |
| 12 | AST | UV kinetic with PLP (P-5-P) | Siemens (Advia Series / Dimension Series) | 99 | 117.92 | 6.33 | 7.46 | 106 U/L | -1.60 | 1.50 |
| 13 | ALT | UV kinetic with PLP (P-5-P) | Siemens (Advia Series / Dimension Series) | 91 | 66.71 | 9.89 | 6.60 | 51 U/L | -2.38 | 1.38 |
| 14 | ALP | PNP AMP kinetic | Siemens (Advia Series / Dimension Series) | 95 | 198.87 | 7.44 | 14.79 | 165 U/L | -2.29 | 3.04 |
| 15 | AMYLASE | CNPG3 | Siemens (Advia Series / Dimension Series) | 63 | 56.08 | 5.65 | 3.17 | 52 U/L | -1.29 | 0.80 |
| 16 | IRON | Ferrene (No Protein Removal) | Siemens (Advia Series / Dimension Series) | 26 | 75.99 | 6.58 | 5.00 | 69 ug/dl | -1.40 | 1.96 |

| 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. |

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential

Contact details:

Email: clinq@cmcvellore.ac.in

Contact Number: 0416-2283102

Pamela Christudoss

Dr. Pamela Christudoss
CMC EQAS Co-Ordinator
Christian Medical College, Vellore

******* End of Report *******

LAB MONTHLY SUMMARY



Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
 Month **December** Year **2021**
 Constituent Group **HbA1c**

Date of Result Entered : **03/12/2021**Date of Report Published : **03/01/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants CV | Participants SD | Your Value | SDI | U |
|-------|---------|-------------------------|---------------------------------------|--------------------|------|-----------------|-----------------|------------|-------|------|
| 1 | HbA1c | HPLC-Ion Exchange | Biorad (D10 / D100 / Variant Turbo) | 549 | 5.91 | 4.90 | 0.29 | 5.9 % | -0.03 | 0.02 |

| 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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Email: clinqc@cmcvellore.ac.in

Contact Number: 0416-2283102

Dr. Pamela Christudoss
 CMC EQAS Co-Ordinator
 Christian Medical College, Vellore

***** End of Report *****

LAB MONTHLY SUMMARY



Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
 Month **December** Year **2021**
 Constituent Group **Reproductive Hormones**

Date of Result Entered : **03/12/2021**Date of Report Published : **03/01/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|-----------|---|--|--------------------|-------|--------------|------|--------------|------|------|
| | | | | | | CV | SD | | | |
| 1 | LH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 71 | 10.42 | 10.69 | 1.11 | 11.36 mIU/mL | 0.84 | 0.26 |
| 2 | FSH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 65 | 18.11 | 12.77 | 2.31 | 22.06 mIU/mL | 1.71 | 0.57 |
| 3 | PROLACTIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 78 | 45.66 | 9.77 | 4.46 | 47.58 ng/mL | 0.43 | 1.01 |

| 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. |

Homogeneity and Stability of the sample is passed.

Data in CMC EQAS reports is confidential

Contact details:

Email: clinq@cmcvellore.ac.in

Contact Number: 0416-2283102

Dr. Pamela Christudoss
 CMC EQAS Co-Ordinator
 Christian Medical College, Vellore

***** End of Report *****

LAB MONTHLY SUMMARY



Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
 Month **December** Year **2021**
 Constituent Group **Thyroid Hormones & Cortisol**

Date of Result Entered : **03/12/2021**Date of Report Published : **03/01/2022**

| Sl.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants | | Your Value | SDI | U |
|-------|----------------|---|--|--------------------|--------|--------------|-------|-------------|-------|------|
| | | | | | | CV | SD | | | |
| 1 | TOTAL THYROXIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 104 | 6.82 | 9.43 | 0.64 | 6.5 ug/dL | -0.50 | 0.13 |
| 2 | FREE THYROXIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 81 | 1.85 | 11.40 | 0.21 | 1.68 ng/dL | -0.81 | 0.05 |
| 3 | TSH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 121 | 6.89 | 10.73 | 0.74 | 6.78 uIU/ml | -0.15 | 0.13 |
| 4 | TOTAL T3 | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 104 | 116.44 | 11.42 | 13.30 | 107 ng/dL | -0.71 | 2.61 |

| 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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Contact details:

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Contact Number: 0416-2283102

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***** End of Report *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

Lab Name **IMPULSE DIAGNOSTICS** Lab No **14869**
 Constituent Group **Chemistry I** Date of Result Entered : **19/01/2022**
 PT item **Lyophilized Serum** Date of Report Published : **07/02/2022**

| SI.No | Analyte | Method / Principle Name | Analyzer Name | No of Participants | DV | Participants CV | SD | Your Value | SDI | U |
|-------|--------------|--|---|--------------------|--------|-----------------|------|------------|-------|------|
| 1 | GLUCOSE | Hexokinase | Siemens (Advia Series / Dimension Series) | 82 | 132.31 | 4.25 | 5.63 | 134 mg/dl | 0.30 | 1.24 |
| 2 | UREA | Urease UV / GLDH | Siemens (Advia Series / Dimension Series) | 103 | 46.75 | 7.11 | 3.32 | 45 mg/dl | -0.53 | 0.66 |
| 3 | CREATININE | Jaffes Kinetic - Alkaline picrate | Siemens (Advia Series / Dimension Series) | 94 | 1.78 | 5.90 | 0.10 | 1.68 mg/dl | -0.95 | 0.02 |
| 4 | T.BILIRUBIN | Diazonium salt (Colorimetric) / Jendrassik | Siemens (Advia Series / Dimension Series) | 102 | 2.35 | 5.19 | 0.12 | 2.3 mg/dl | -0.41 | 0.02 |
| 5 | T-PROTEIN | Biuret - Colorimetric | Siemens (Advia Series / Dimension Series) | 103 | 4.80 | 3.31 | 0.16 | 5.1 g/dl | 1.89 | 0.03 |
| 6 | ALBUMIN | BCP - Bromocresol purple (colorimetric) | Siemens (Advia Series / Dimension Series) | 75 | 2.84 | 5.31 | 0.15 | 2.9 g/dl | 0.40 | 0.03 |
| 7 | CALCIUM | OCPC (O - Cresolphthalein Compleazone) | Siemens (Advia Series / Dimension Series) | 66 | 8.64 | 4.92 | 0.42 | 8.6 mg/dl | -0.09 | 0.10 |
| 8 | URIC ACID | Enzymatic / Uricase Colorimetric | Siemens (Advia Series / Dimension Series) | 97 | 6.79 | 3.99 | 0.27 | 6.8 mg/dl | 0.04 | 0.05 |
| 9 | CHOLESTEROL | CHOD-PAP | Siemens (Advia Series / Dimension Series) | 96 | 82.69 | 7.06 | 5.84 | 87 mg/dl | 0.74 | 1.19 |
| 10 | TRIGLYCERIDE | GPO-PAP / Enzymatic Colorimetric / End Point | Siemens (Advia Series / Dimension Series) | 100 | 128.52 | 4.95 | 6.36 | 127 mg/dl | -0.24 | 1.27 |
| 11 | HDL CHO | Direct method / Enzymatic colorimetric | Siemens (Advia Series / Dimension Series) | 89 | 25.37 | 7.80 | 1.98 | 26 mg/dl | 0.32 | 0.42 |
| 12 | ALP | PNP AMP kinetic | Siemens (Advia Series / Dimension Series) | 96 | 65.23 | 7.85 | 5.12 | 89 U/L | 4.64 | 1.05 |
| 13 | AMYLASE | CNPG3 | Siemens (Advia Series / Dimension Series) | 52 | 40.62 | 5.74 | 2.33 | 42 U/L | 0.59 | 0.65 |
| 14 | IRON | Ferrene (No Protein Removal) | Siemens (Advia Series / Dimension Series) | 25 | 136.25 | 3.41 | 4.64 | 136 ug/dl | -0.05 | 1.86 |

| 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 :
IMPULSE DIAGNOSTICS

HAILAKANDI ROAD
SILCHAR
ASSAM788015

Coordinator Contact Details:
Email: clinqc@cmcvellore.ac.in
Contact Number: 0416-2283102

Pamela Christudoss

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Christian Medical College, Vellore

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

MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

| | | | |
|-------------------|-------------------------|----------------------------|------------|
| Lab Name | IMPULSE DIAGNOSTICS | Lab No | 14869 |
| Constituent Group | HbA1c | Date of Result Entered : | 19/01/2022 |
| PT item | Lyophilized Whole blood | 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 | HbA1c | HPLC-Ion Exchange | Biorad (D10 / D100 / Variant Turbo) | 545 | 6.22 | 4.60 | 0.29 | 6.1 % | -0.42 | 0.02 |

| 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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 HAILAKANDI ROAD
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***** End of Report *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

| | | | |
|-------------------|-----------------------|----------------------------|------------|
| Lab Name | IMPULSE DIAGNOSTICS | Lab No | 14869 |
| Constituent Group | Reproductive Hormones | Date of Result Entered : | 19/01/2022 |
| 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 | LH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 68 | 2.08 | 10.80 | 0.22 | 2.1 mIU/mL | 0.09 | 0.05 |
| 2 | FSH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 69 | 13.66 | 11.29 | 1.54 | 14.39 mIU/mL | 0.47 | 0.37 |
| 3 | PROLACTIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 71 | 6.29 | 6.95 | 0.44 | 6.4 ng/mL | 0.25 | 0.10 |

| 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. |

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***** End of Report *****



CHRISTIAN MEDICAL COLLEGE

DEPARTMENT OF CLINICAL BIOCHEMISTRY

CMC EXTERNAL QUALITY ASSURANCE SCHEME

MONTHLY SUMMARY REPORT - JANUARY 2022



PC-1024

| | | | |
|-------------------|-----------------------------|----------------------------|------------|
| Lab Name | IMPULSE DIAGNOSTICS | Lab No | 14869 |
| Constituent Group | Thyroid Hormones & Cortisol | Date of Result Entered : | 19/01/2022 |
| 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 | TOTAL THYROXIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 104 | 5.28 | 12.11 | 0.64 | 4.4 ug/dL | -1.38 | 0.13 |
| 2 | FREE THYROXIN | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 88 | 1.56 | 9.88 | 0.15 | 1.81 ng/dL | 1.62 | 0.03 |
| 3 | TSH | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 117 | 1.38 | 11.26 | 0.16 | 1.36 uIU/ml | -0.13 | 0.03 |
| 4 | TOTAL T3 | CLIA-Chemiluminescence immunoassay / CMIA | Siemens Advia centaur, Immulite, Atellica Series | 102 | 93.79 | 11.47 | 10.76 | 112 ng/dL | 1.69 | 2.13 |

| 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 :
 IMPULSE DIAGNOSTICS
 HAILAKANDI ROAD
 SILCHAR
 ASSAM788015

Coordinator Contact Details:
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 Dr. Pamela Christudoss
 CMC EQAS Coordinator
 Christian Medical College, Vellore

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 *****

IMPULSE DIAGNOSTICS
DEPARTMENT OF LABORATORY SERVICES.

Department of Biochemistry

Internal Quality Control (IQC) & CV% (Biochemistry)

| S.NO | Date | Nature of Problem | Root cause analysis and corrective and preventive actions | Date of Closure | Signature |
|------|--------------------------------|------------------------------|---|-----------------|--|
| 1 | 07/02/2022 (Date of Result) | Value of CV% of ALP was high | We have done the machine maintenance checked for all parameter's, Distilled water has been changed, Probe has been checked and changed, again all parameter has been recalibrated by the service engineer. Temperature record were checked. Then value reports came normal. | 8/02/2022 |  APPROVED BY IMPULSE DIAGNOSTICS S. CHITRA IS BENEFITUR |

CROSS
CHECK

+ IMPULSE DIAGNOSTICS +
+ 14:17 Jan 21 2022 +

PRINT RESULTS

Patient: JABA DEY
Sample No.: 465313SRM
Location: ..
Sample: SERUM
Priority: ROUTINE
Entered: 13:17 Jan 21 2022

Position: 1
Segment: E

| TEST | RESULT | REF. INTERVAL | UNITS |
|------|--------|---------------|-------|
| URCA | 3.6 | 2.6-7.2 | mg/dL |
| ALB | 4.3 | 3.4-5.0 | g/dL |
| BUN | 18 | 15-39 | mg/dL |
| GGT | 35 | 5-85 | U/L |
| CRE2 | 0.86 | 0.55-1.30 | mg/dL |
| TBI | 0.5 | 0.2-1.0 | mg/dL |
| DBI | 0.2 | 0.0-0.2 | mg/dL |
| TP | 8.1 | 6.4-8.2 | g/dL |
| ALPI | 134 HI | 46-116 | U/L |
| LDI | 207 HI | 100-190 | U/L |
| AST | 22 | 15-37 | U/L |
| ALTI | 32 | 14-63 | U/L |



Patient Ref. No. 3500000935020

CLIENT CODE : C000031906

CLIENT'S NAME AND ADDRESS :

IMPULSE DIAGNOSTICS
MEHERPUR, NEAR CO-OPERATIVE, ADJACENT TO ISHWAR CHANDRA
VIDYA SAGAR SCHOOL,

SILCHAR 788015
ASSAM INDIA
3842-224542 9435260624

SRL Ltd
BIOMED DIAGNOSTIC CENTRE, PROGRESSIVE TOWERS, N.S. AVENUE
SILCHAR, 788005
ASSAM, INDIA
Tel : 03842-220154/220155, Fax : 03842-220100
CIN - U74899PB1995PLC045956
Email : srilsilchar@rediffmail.com

PATIENT NAME : JABA ROY

PATIENT ID : JABAF21016635

ACCESSION NO : 0035VA006265 AGE : 56 Years SEX : Female

DRAWN : 21/01/2022 00:00

RECEIVED : 21/01/2022 18:00

REPORTED : 21/01/2022 19:20

REFERRING DOCTOR : DR. TANUJ KUMAR BISWAS

CLIENT PATIENT ID :

| Test Report Status | Final | Results | Biological Reference Interval | Units |
|--------------------|-------|---------|-------------------------------|-------|
|--------------------|-------|---------|-------------------------------|-------|

BIO CHEMISTRY

ALKALINE PHOSPHATASE, SERUM

| | | | |
|-----------------------------|-----|---------------|------|
| ALKALINE PHOSPHATASE | 126 | High 30 - 120 | U/L |
| TOTAL PROTEIN, SERUM | | | |
| TOTAL PROTEIN | 7.8 | 6.4 - 8.2 | g/dL |

Interpretation(s)

ALKALINE PHOSPHATASE, SERUM-Alkaline phosphatase (ALP) is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts, and bone. Elevated Alkaline Phosphatase levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease. TOTAL PROTEIN, SERUM-Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease
Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

****End Of Report****

Please visit www.srlworld.com for related Test Information for this accession

Dr. Ashish Kumar Das
Laboratory Head

Dr. Subhadip Bhattacharjee
Consultant Pathologist



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CROSS
CHECK

+++++
+ IMPULSE DIAGNOSTICS
+ 15:16 Feb 18 2022
+++++

PRINT RESULTS

Patient: RU
Sample No.: 468902SRM
Location:
Sample: SERUM
Priority: ROUTINE
Entered: 12:43 Feb 18 2022

Position:
Segment:

| TEST | RESULT | REF. INTERVAL | UNITS |
|------|--------|---------------|-------|
| TBI | 0.2 | 0.2-1.0 | mg/dL |
| TP | 9.2 HI | 6.4-8.2 | g/dL |
| ALPI | 98 | 46-116 | U/L |
| TGL | 90 | 30-150 | mg/dL |
| LDI | 145 | 100-190 | U/L |
| CHOL | 149 | 0-200 | mg/dL |
| AST | 15 | 15-37 | U/L |
| ALTI | 22 | 14-63 | U/L |
| DBI | 0.1 | 0.0-0.2 | mg/dL |
| ALB | 2.9 LO | 3.4-5.0 | g/dL |
| GGT | 49 | 5-85 | U/L |



Patient Ref. No. 3500000942648

CLIENT CODE : C000031906

CLIENT'S NAME AND ADDRESS :

IMPULSE DIAGNOSTICS
MEHERPUR, NEAR CO-OPERATIVE, ADJACENT TO ISHWAR CHANDRA
VIDYA SAGAR SCHOOL,

SILCHAR 788015
ASSAM INDIA
3842-224542 9435260624

SRL Ltd
BIOMED DIAGNOSTIC CENTRE, PROGRESSIVE TOWERS, N.S. AVENUE
SILCHAR, 788005
ASSAM, INDIA
Tel : 03842-220154/220155, Fax : 03842-220100
CIN - U74899PB1995PLC045956
Email : srilsilchar@rediffmail.com

PATIENT NAME : RUSTANA MAZUMDER

PATIENT ID : RUSTF18027835

ACCESSION NO : 0035VB004918 AGE : 44 Years SEX : Female

DRAWN : 18/02/2022 04:00 RECEIVED : 18/02/2022 18:16 REPORTED : 18/02/2022 19:17

REFERRING DOCTOR : SELF

CLIENT PATIENT ID :

| Test Report Status | Final | Results | Biological Reference Interval | Units |
|--------------------|-------|---------|-------------------------------|-------|
|--------------------|-------|---------|-------------------------------|-------|

BIO CHEMISTRY

ALANINE AMINOTRANSFERASE, SERUM

ALANINE AMINOTRANSFERASE (ALT/SGPT) 12 < 34.0 U/L

ALKALINE PHOSPHATASE, SERUM

ALKALINE PHOSPHATASE 84 30 - 120 U/L

Interpretation(s)

ALANINE AMINOTRANSFERASE, SERUM-Alanine aminotransferase (ALT) test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health. AST levels increase during acute hepatitis, sometimes due to a viral infection, ischemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis. ALKALINE PHOSPHATASE, SERUM-Alkaline phosphatase (ALP) is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts, and bone. Elevated Alkaline Phosphatase levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease.

****End Of Report****

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Laboratory Head

Dr. Subhadip Bhattacharjee
Consultant Pathologist



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