



**National Accreditation Board for  
Testing and Calibration Laboratories**

(A Constituent Board of Quality Council of India)



**CERTIFICATE OF ACCREDITATION**

**SRI NATHELLA SAMPATHU CHETTY CLINICAL  
LABORATORY (UNIT OF MEDICAL RESEARCH  
FOUNDATION)**

has been assessed and accredited in accordance with the standard

**ISO 15189:2012**

**"Medical laboratories - Requirements for quality and  
competence"**

for its facilities at

41, COLLEGE ROAD, CHENNAI, TAMIL NADU, INDIA

in the field of

**Medical Testing**

Certificate Number: MC-2342

Issue Date: 17/10/2019

Valid Until: 16/10/2021

This certificate remains valid for the Scope of Accreditation as specified in the annexure subject to continued satisfactory compliance to the above standard & the relevant requirements of NABL.

(To see the scope of accreditation of this laboratory, you may also visit NABL website [www.nabl-india.org](http://www.nabl-india.org))

Signed for and on behalf of NABL



N. Venkateswaran  
Chief Executive Officer



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## RECOGNISED SAMPLE COLLECTION CENTRE/FACILITY

Laboratory Sri Nathella Sampathu Chetty Clinical Laboratory (Unit of Medical Research Foundation), 41, College Road, Chennai, Tamil Nadu

Certificate Number MC-2342

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Validity 17.10.2019 to 16.10.2021

Last Amended on -

| Sl. | ID of Sample Collection Centre/ Facility | Name of Sample Collection Centre/ Facility      | Address of Sample Collection Centre/ Facility             |
|-----|--|---|---|
| 1.  | SCF 0001653                              | SNSC Collection Centre,<br>Pycrofts Garden Road | 21, Pycrofts Garden Road,<br>Chennai – 600006, Tamil Nadu |

*Jayeeta Majumdar*

Jayeeta Majumdar  
Convenor

*Ritu*

Ritu Kulshrestha  
Program Manager



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Laboratory Name                      SRI NATHELLA SAMPATHU CHETTY CLINICAL LABORATORY (UNIT OF MEDICAL RESEARCH FOUNDATION), 41, COLLEGE ROAD, CHENNAI, TAMIL NADU , INDIA

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|---------------------------|-----------------------|------------------------------|--|--|-----|
| <b>Permanent Facility</b> |                       |                              |  |  |     |
| 1                         | CLINICAL BIOCHEMISTRY | Plasma                       | Glucose  | Hexokinase - glucose 6 phosphate dehydrogenase   | 2.8 |
| 2                         | CLINICAL BIOCHEMISTRY | Plasma / Serum               | Cholesterol, Total   | CHO/ DEA-HCl/AAP Enzymatic   | 3.0 |
| 3                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Alanine Amino Transferase  | IFCC with P5P  | 7.4 |
| 4                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Aspartic Amino Transferase   | IFCC with P5P  | 4.7 |
| 5                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Bilirubin, Direct  | Modified Diazo   | 5.7 |
| 6                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Bilirubin, Total   | Modified Diazo   | 4.4 |
| 7                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Calcium, Total   | Modified OCPC / End Point  | 2.3 |
| 8                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | HDL Cholesterol  | PEG cholesterol esterase   | 3.6 |
| 9                         | CLINICAL BIOCHEMISTRY | Plasma /serum                | Potassium  | ISE -Direct  | 1.0 |



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|------|-----------------------|------------------------------|--|--|------|
| 10   | CLINICAL BIOCHEMISTRY | Plasma /serum                | Sodium   | ISE -Direct  | 1.0  |
| 11   | CLINICAL BIOCHEMISTRY | Plasma /serum                | Total Proteins   | Modified Biuret  | 3.1  |
| 12   | CLINICAL BIOCHEMISTRY | Plasma /serum                | Urea   | Urease- GLDH   | 4.1  |
| 13   | CLINICAL BIOCHEMISTRY | Plasma/ serum                | Chloride   | ISE -Direct  | 1.0  |
| 14   | CLINICAL BIOCHEMISTRY | Plasma/creatinine            | Creatinine   | Modidief Jaffe - Kinetic   | 3.9  |
| 15   | CLINICAL BIOCHEMISTRY | Plasma/Serum (Fasting)       | Triglyceride   | LPL/ GK  | 2.5  |
| 16   | CLINICAL BIOCHEMISTRY | Serum                        | Angiotensin Converting Enzyme  | FAPGG-UV-Kinetic   | 15.6 |
| 17   | CLINICAL BIOCHEMISTRY | Serum/plasma                 | Albumin  | BCP-dye binding method   | 4.2  |
| 18   | CLINICAL BIOCHEMISTRY | Serum/Plasma                 | ALDL   | Cholesterol oxidase/Oxidase  | 3.8  |



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|------|-----------------------|------------------------------|--|--|-----|
| 19   | CLINICAL BIOCHEMISTRY | Serum/plasma                 | Alkaline Phosphatase   | PNPP - AMP buffer  | 6.2 |
| 20   | CLINICAL BIOCHEMISTRY | Serum/plasma                 | Gamma Glutamyl Transferase   | (GCNA)- IFCC method  | 2.0 |
| 21   | CLINICAL BIOCHEMISTRY | Serum/plasma                 | Inorganic Phosphorus   | Modified Phosphomolybdate /End point   | 3.3 |
| 22   | CLINICAL PATHOLOGY    | Stool                        | Occult Blood or Hemoglobin   | Standard Guaiac Method   | NA  |
| 23   | CLINICAL PATHOLOGY    | Stool                        | Stool Routine  | Macroscopic / Microscopic  | NA  |
| 24   | CLINICAL PATHOLOGY    | Urine                        | Albumin  | Sulpho salicylic Acid Method   | NA  |
| 25   | CLINICAL PATHOLOGY    | Urine                        | Albumin  | Reflectance Photometry – Dip stick – Tetrabromphenol blue  | NA  |
| 26   | CLINICAL PATHOLOGY    | Urine                        | Bile Pigments  | Fouchet' s Method  | NA  |
| 27   | CLINICAL PATHOLOGY    | Urine                        | Bile Salts   | Hay's test   | NA  |



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| 28   | CLINICAL PATHOLOGY | Urine                        | Bilirubin  | Reflectance Photometry – Dip stick – Diazotized dichloroaniline                                      | NA  |
| 29   | CLINICAL PATHOLOGY | Urine                        | Glucose  | Benedicts qualitative method   | NA  |
| 30   | CLINICAL PATHOLOGY | Urine                        | Glucose  | Reflectance Photometry – Dip stick- Glucose Oxidase/ Peroxidase                                      | NA  |
| 31   | CLINICAL PATHOLOGY | Urine                        | Ketones  | Rothera's Test   | NA  |
| 32   | CLINICAL PATHOLOGY | Urine                        | Ketones  | Reflectance Photometry – Dip stick - Nitroprusside   | NA  |
| 33   | CLINICAL PATHOLOGY | Urine                        | Leucocyte  | Reflectance Photometry – Dip stick - Esterase  | NA  |
| 34   | CLINICAL PATHOLOGY | Urine                        | Microscopic examination  | Microscopy   | NA  |
| 35   | CLINICAL PATHOLOGY | Urine                        | Nitrite  | Reflectance Photometry – Dip stick – p-arsanilic acid  | NA  |
| 36   | CLINICAL PATHOLOGY | Urine                        | Occult Blood or Hemoglobin   | Standard Guaiac Method   | NA  |



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| 37   | CLINICAL PATHOLOGY | Urine  | pH   | Reflectance Photometry – Dip stick – Methyl Red and bromothymol blue                                 | NA    |
| 38   | CLINICAL PATHOLOGY | Urine  | Specific Gravity   | Reflectance Photometry – Dip stick – Bromthymol blue   | NA    |
| 39   | CLINICAL PATHOLOGY | Urine  | Urobilinogen   | Ehrlich - Aldehyde method  | NA    |
| 40   | CLINICAL PATHOLOGY | Urine  | Urobilinogen   | Reflectance Photometry – Dip stick – Ehrlich Reaction  | NA    |
| 41   | CYTOPATHOLOGY      | Aspirates-Aqueous aspirate, Vitreous aspirate, Sub retinal fluid and Other aspirates | Cytological exam   | As per sop light microscopy with interpretation  | NA    |
| 42   | CYTOPATHOLOGY      | IOL Cytology   | Cytological exam   | As per sop light microscopy with interpretation  | NA    |
| 43   | CYTOPATHOLOGY      | Smear cytology – lid, cornea, conjunctiva  | Impression smear preparation and cytologic examination   | As per sop light microscopy with interpretation  | NA    |
| 44   | HAEMATOLOGY        | K2 EDTA Whole Blood  | Absolute Basophil Count  | Calculated   | 101.5 |
| 45   | HAEMATOLOGY        | K2 EDTA Whole Blood  | Basophils  | VCSn technology/ Microscopy/ Leishman Stain  | 67.1  |
| 46   | HAEMATOLOGY        | K2 EDTA Whole Blood  | Blood Grouping & Rh  | Tube Agglutination & Column Agglutination Method (Reverse & Forward)                                 | NA    |



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|------|--------------|---|--|--|-----|
| 47   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Haematocrit  | Calculated   | 1.8 |
| 48   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Platelet Count   | Electrical Impedance   | 3.0 |
| 49   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Red Blood Cell (RBC) count   | Electrical Impedance   | 1.2 |
| 50   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Red blood Cell IndicesMCH  | Derivation   | 1.1 |
| 51   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Red blood Cell IndicesMCHC   | calculated   | 2.0 |
| 52   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Red blood Cell IndicesMCV  | Electrical Impedance   | 1.1 |
| 53   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Red Cell Distribution width (RDW)  | Derivation   | 1.6 |
| 54   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Reticulocyte Count   | VCSn/ Microscopy/ New Methylene Blue stain   | 7.9 |
| 55   | HAEMAT OLOGY | K2 EDTA Whole Blood                                   | Total White Blood Cell Count   | Electrical Impedance   | 1.8 |
| 56   | HAEMAT OLOGY | Citrated Blood  | Wet mount preparation for MF   | Microscopy/1% Methylene blue   | NA  |
| 57   | HAEMAT OLOGY | Citrated plasma (3.2% Sodium Citrate Vacutainer tube) | Activated Partial Thromboplastin Time (APTT)   | Clotting – Nephelometry  | 3.2 |
| 58   | HAEMAT OLOGY | Citrated plasma (3.2% Sodium Citrate Vacutainer tube) | Prothrombin Time (PT)  | Clotting – Nephelometry  | 4.0 |





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|------|--------------|--|--|--|------|
| 59   | HAEMAT OLOGY | Citrated whole blood (4NC)(Pro-evacuated plexiglass tubes) | Erythrocyte Sedimentation Rate (ESR)   | Automated Sedimentation  | 12.2 |
| 60   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Absolute Eosinophil Count  | Calculated   | 14.4 |
| 61   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Absolute Lymphocyte Count  | Calculated   | 3.4  |
| 62   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Absolute Monocyte Count  | calculated   | 9.4  |
| 63   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Absolute Neutrophil Count  | calculated   | 2.4  |
| 64   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Eosinophils  | VCSn technology/Microscopy/ Leishman Stain   | 13.8 |
| 65   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Hemoglobin   | Cell Counter – Photometry Non cyanide Hemoglobin Method  | 0.6  |
| 66   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Lymphocytes  | VCSn technolog/ Microscopy/ Leishman Stain   | 3.4  |
| 67   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Monocytes  | VCSn technology/ Microscopy/ Leishman Stain  | 7.6  |
| 68   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Neutrophils  | VCSn technology/Microscopy/ Leishman Stain   | 2.4  |
| 69   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Peripheral Smear Study   | Microscopy/ Leishman Stain   | NA   |
| 70   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Sickle cells   | Microscopy/ Sodium Meta bi Sulfite   | NA   |
| 71   | HAEMAT OLOGY | K2 EDTA Whole Blood  | Smear for MP   | Microscopy/ Leishmann's stain/ Giemsa stain/ Card method   | NA   |



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| 72   | HAEMAT OLOGY    | Thick wet mount preparation                       | Smear for MF   | Microscopy/1% Methylene blue   | NA  |
| 73   | HISTOPA THOLOGY | Cell block  | Processing, microtomy, H&E staining (conventional)   | As per sop light microscopy with interpretation.   | NA  |
| 74   | HISTOPA THOLOGY | Frozen section(Ocular tissues)                    | Grossing, Processing, crysectioning, staining, (H&E) (Conventional)  | As per sop light microscopy with interpretation.   | NA  |
| 75   | HISTOPA THOLOGY | Large sized specimens (> 20mm) (Ocular tissues)   | Grossing, Processing, paraffin embedding, microtomy, H&E staining conventional                             | As per sop light microscopy with interpretation.   | NA  |
| 76   | HISTOPA THOLOGY | Medium Sized specimens (10mm) (Ocular tissues)    | Grossing, Processing, paraffin embedding, microtomy, H&E staining conventional                             | As per sop light microscopy with interpretation.   | NA  |
| 77   | HISTOPA THOLOGY | Ocular tissues, Paraffin blocks, Unstained slides | Acid fast bacilli  | As per sop light microscopy with interpretation  | NA  |
| 78   | HISTOPA THOLOGY | Ocular tissues, Paraffin blocks, Unstained slides | Alcian blue (pH 2.5)   | As per sop light microscopy with interpretation.   | NA  |
| 79   | HISTOPA THOLOGY | Ocular tissues, Paraffin blocks, Unstained slides | Alizarin Red   | As per sop light microscopy with interpretation  | NA  |
| 80   | HISTOPA THOLOGY | Ocular tissues, Paraffin blocks, Unstained slides | Bleaching  | As per sop light microscopy with interpretation  | NA  |



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|------|--|--|--|--|-----|
| 81   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Congo red ( Benhold's method)  | As per sop light microscopy with interpretation.   | NA  |
| 82   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Gomoris one step Trichrome   | As per sop light microscopy with interpretation.   | NA  |
| 83   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Grams (Brown-Hopps method)   | As per sop light microscopy with interpretation  | NA  |
| 84   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Grocott's methanamine silver nitrate (GMS)   | As per sop light microscopy with interpretation  | NA  |
| 85   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Periodic acid Schiff stain   | As per sop light microscopy with interpretation.   | NA  |
| 86   | HISTOPATHOLOGY                             | Ocular tissues, Paraffin blocks, Unstained slides  | Perl's iron  | As per sop light microscopy with interpretation  | NA  |
| 87   | HISTOPATHOLOGY                             | Small sized specimens (3mm-5mm)(Ocular tissues)  | Grossing, Processing, paraffin embedding, microtomy, H&E staining conventional                             | As per sop light microscopy with interpretation  | NA  |
| 88   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids other than blood received for bacterial investigations | Bacterial Culture & Sensitivity  | Culture –Aerobic/ Anaerobic Sensitivity for Aerobic bacteria-Disc diffusion method                   | NA  |



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|------|--|------------------------------|--|--|-----|
| 89   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HIV – 1 & 2  | Immunochromatography method  | NA  |
| 90   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to Myelin oligodendrocyte glycoprotein (MOG)  | Indirect Immuno fluorescence   | NA  |
| 91   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HCV  | ELISA  | 8.8 |
| 92   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HIV – 1 & 2, HIV-1 p24 Antigen   | ELISA  | 9.5 |



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| 93   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Anti HBs antibodies  | ELISA  | 11.9 |
| 94   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antinuclear antibody   | ELISA  | 9.6  |
| 95   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | C-Reactive Protein(CRP)  | Nephelometry   | 3.1  |
| 96   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Rheumatoid arthritis factor (RA factor)  | Nephelometry   | 3.8  |



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|------|--|--|--|--|-----|
| 97   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids received for Acanthamoeba and cytological investigations | Giemsa stain   | Manual/Microscopy  | NA  |
| 98   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids received for bacterial investigations                    | AFB stain  | Ziehl Neelsen stain/ Manual / Microscopy   | NA  |
| 99   | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids received for bacterial investigations                    | Gram's stain   | Manual/Microscopy  | NA  |
| 100  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids received for fungal investigation                        | Fungal Culture   | Culture Aerobic  | NA  |



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|------|--|--|--|--|-----|
| 101  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Any clinical specimen / Tissue biopsy / body fluids received for Fungal/ Acanthamoeba investigations | KOH-Calcofluor white stain   | Fluorescence stain/ Manual/Microscopy  | NA  |
| 102  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Corneal scraping/ Corneal biopsy/ Contact lens solution for Acanthamoeba culture                     | Acanthamoeba culture   | Non-nutrient agar over laid with Escherichia coli  | NA  |
| 103  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum  | Antibodies against specific antigen -ds DNA, Histones, ribosomal, P-proteins , nRNP / Sm, SS-A, SS-B, Scl-70 | ELISA  | NA  |
| 104  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum  | Antibodies Aquaporin - 4 (NMO)   | Indirect Immuno fluorescence   | NA  |



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Laboratory Name SRI NATHELLA SAMPATHU CHETTY CLINICAL LABORATORY (UNIT OF MEDICAL RESEARCH FOUNDATION), 41, COLLEGE ROAD, CHENNAI, TAMIL NADU , INDIA

Accreditation Standard ISO 15189:2012

Certificate Number MC-2342 Page No. : 14 / 16

Validity 17/10/2019 to 16/10/2021 Last Amended on -

| S.No | Discipline                                 | Materials or Products tested | Component, parameter or characteristic tested / Specific Test Performed / Tests or type of tests performed | Test Method Specification against which tests are performed and / or the techniques / equipment used | %CV |
|------|--|------------------------------|--|--|-----|
| 105  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to Brucella   | Tube agglutination   | NA  |
| 106  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HCV  | Immuno-filtration method   | NA  |
| 107  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HIV – 1 & 2  | Rapid Immuno Concentration Method  | NA  |
| 108  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antibodies to HIV – 1 & 2  | Western Blot   | NA  |





# National Accreditation Board for Testing and Calibration Laboratories

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|------|--|------------------------------|--|--|------|
| 109  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Antinuclear antibody   | Indirect Immuno fluorescence   | NA   |
| 110  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | HBs Ag   | Immuno filtration/ Immunochromatography  | NA   |
| 111  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | HBsAg  | ELISA  | 7.8  |
| 112  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | IgG antibodies to cANCA (Proteinase3)  | ELISA  | 10.9 |



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|------|--|------------------------------|--|--|------|
| 113  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | IgG antibodies to pANCA (Myeloperoxidase)  | ELISA  | 10.2 |
| 114  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Rapid plasma Reagin(RPR)   | Slide flocculation   | NA   |
| 115  | MICROBIOLOGY & INFECTIOUS DISEASE SEROLOGY | Serum                        | Treponema pallidum Hemagglutination(TPHA)  | Micro haemagglutination  | NA   |