

**List of Medical Services Provided by Microbiology department**

| SR. NO. | SPECIFIC TESTS/ EXAMINATION                                                                                                                                                   | NABL /Non NABL |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 1.      | Aerobic Culture and antimicrobial susceptibility for urine                                                                                                                    | NABL           |
| 2.      | Aerobic Culture and antimicrobial susceptibility for pus                                                                                                                      | NABL           |
| 3.      | Aerobic Culture and antimicrobial susceptibility for Swab                                                                                                                     | NABL           |
| 4.      | Aerobic Culture and antimicrobial susceptibility for body fluid (Acsitic fluid/ Pleural fluid, synovial fluid, CSF, Peritoneal fluid, Bronchoalveolar lavage, gastric Lavage) | NABL           |
| 5.      | Aerobic Culture and antimicrobial susceptibility for Blood                                                                                                                    | NABL           |
| 6.      | Aerobic Culture and antimicrobial susceptibility for Bile                                                                                                                     | NABL           |
| 7.      | Aerobic Culture and antimicrobial susceptibility for Sputum                                                                                                                   | NABL           |
| 8.      | Aerobic Culture and antimicrobial susceptibility for Stool                                                                                                                    | NABL           |
| 9.      | Gram Stain                                                                                                                                                                    | NABL           |
| 10.     | Acid Fast Stain                                                                                                                                                               | NABL           |
| 11.     | Albert's stain                                                                                                                                                                | NABL           |
| 12.     | Special stain (Toluidine blue stain, Giemsa, Fontana, Modified AFB stain, fluorescence stain other than TB identification)                                                    | Non NABL       |
| 13.     | Water sample culture                                                                                                                                                          | Non NABL       |
| 14.     | OT sample culture                                                                                                                                                             | Non NABL       |
| 15.     | Hepatitis-B Rapid test for HBs Antigen detection                                                                                                                              | NABL           |
| 16.     | Hepatitis-B ELISA test for HBsAntigen detection                                                                                                                               | NABL           |
| 17.     | Slide Widal test                                                                                                                                                              | NABL           |
| 18.     | Rapid plasma regain test.(RPR)                                                                                                                                                | NABL           |
| 19.     | Anti Streptolysin O test (ASO)                                                                                                                                                | NABL           |
| 20.     | C Reactive Protein (CRP)                                                                                                                                                      | NABL           |
| 21.     | Rheumatoid Factor (RA test)                                                                                                                                                   | NABL           |
| 22.     | Ig M antibody detection for HAV by rapid test                                                                                                                                 | NABL           |
| 23.     | Ig M antibody detection for HEV by Rapid test                                                                                                                                 | NABL           |
| 24.     | Ig M antibody detection for HAV by ELISA test                                                                                                                                 | NABL           |
| 25.     | Ig M antibody detection for HEV by ELISA test                                                                                                                                 | NABL           |
| 26.     | Ig M and Ig G antibody detection for Measles                                                                                                                                  | Non NABL       |
| 27.     | Ig M antibody detection for HCV by rapid test                                                                                                                                 | NABL           |
| 28.     | Ig M antibody detection for HCV by ELISA test                                                                                                                                 | NABL           |
| 29.     | Rapid test for typhoid fever- Enterocheck                                                                                                                                     | NABL           |
| 30.     | Ig M antibody detection for Chikungunya                                                                                                                                       | Non NABL       |
| 31.     | NSI antigen for Dengue                                                                                                                                                        | Non NABL       |
| 32.     | Ig M ELISA - antibody detection for Dengue                                                                                                                                    | Non NABL       |
| 33.     | Fungal culture                                                                                                                                                                | Non NABL       |
| 34.     | Antifungal susceptibility test for yeast isolates                                                                                                                             | Non NABL       |
| 35.     | KOH Preparation                                                                                                                                                               | Non NABL       |
| 36.     | Indian ink preparation for Cryptococcus                                                                                                                                       | Non NABL       |

|                                                                  |                                              |           |                                      |                                     |
|------------------------------------------------------------------|----------------------------------------------|-----------|--------------------------------------|-------------------------------------|
| Primary sample collection manual                                 | New Civil Hospital Surat Laboratory Services |           | Prepared by deputy technical manager | Dr. Dopal Chauhan                   |
| MI:C:\Internal Documents\0012\b\Primary sample collection manual | Page No:                                     | 5/88      | App. By DTM:                         | Dr. Summaiya Mullan                 |
| Revision No 1 & Date: 20/06/2025                                 | Amendment No:                                | 1         | issued to :                          | Microbiology dept. College building |
| Copy No: 1/9                                                     | Amendment Date:                              | 10/1/2026 |                                      |                                     |



|     |                                                                                |          |
|-----|--------------------------------------------------------------------------------|----------|
| 37. | Stool for Ova- Cyst                                                            | Non NABL |
| 38. | Toluidine blue stain for Pneumocystis jirovecii                                | Non NABL |
| 39. | Giemsa stain for Pneumocystis jirovecii                                        | Non NABL |
| 40. | Leptospirosis -Rapid test for Ig M antibody detection                          | NABL     |
| 41. | Leptospirosis -ELISA test for Ig M AND Ig G antibody detection                 | NABL     |
| 42. | Leptospirosis(MAT-Microscopic agglutination ) for Ig M & Ig G                  | NABL     |
| 43. | Leptospirosis(PCR- Polymerase chain reaction)                                  | Non NABL |
| 44. | HIV test for Antibody detection                                                | NABL     |
| 45. | CD4 Count                                                                      | Non NABL |
| 46. | HIV – 1 Viral Load Test- Quantitative                                          | NABL     |
| 47. | Seasonal flu (H1N1 influenza) (PCR-polymerase chain reaction)-Qualitative test | NABL     |
| 48. | HBV viral load test-Quantitative                                               | NABL     |
| 49. | HCV viral load test-Quantitative                                               | NABL     |
| 50. | COVID-19 RT PCR test-Qualitative                                               | NABL     |
| 51. | Anti-HBsAg antibody titre-ELISA                                                | Non NABL |
| 52. | Line probe assay for first line and second line anti-TB drugs                  | NABL     |
| 53. | CBNAAT-For MTB detection and Rifampicin drug sensitivity test                  | NABL     |
| 54. | RT-PCR :Qualitative test for H3N2                                              | Non NABL |
| 55. | RT-PCR :Qualitative test for RSV                                               | Non NABL |
| 56. | RT-PCR :Qualitative test for HMPV                                              | Non NABL |
| 57. | RT-PCR :Qualitative test for Adenovirus                                        | Non NABL |
| 58. | RT-PCR :Qualitative test for Parainfluenza virus-1,2,3,4                       | Non NABL |
| 59. | Scrub Typhus IgM ELISA                                                         | Non NABL |
| 60. | Influenza A subtyping-Qualitative test by RT-PCR                               | Non NABL |
| 61. | Influenza B subtyping- Qualitative test by RT-PCR                              | Non NABL |
| 62. | CHPV(Chandipura) RT-qPCR                                                       | Non NABL |
| 63. | Rubella Virus ELISA                                                            | Non NABL |
| 64. | JE IgM ELISA                                                                   | Non NABL |
| 65. | Parvovirus B-19 IgM                                                            | Non NABL |
| 66. | Mumps Virus IgM ELISA                                                          | Non NABL |
| 67. | Varicella Zoster Virus IgM ELISA                                               | Non NABL |
| 68. | Toxoplasma Gondii IgM ELISA                                                    | Non NABL |
| 69. | Brucella IgM ELISA                                                             | Non NABL |

|                                                                 |                                              |           |                                      |                                     |
|-----------------------------------------------------------------|----------------------------------------------|-----------|--------------------------------------|-------------------------------------|
| Primary sample collection manual                                | New Civil Hospital Surat Laboratory Services |           | Prepared by deputy technical manager | Dr. Dipal Chauhan                   |
| M:\C\Internal Documents\0012\b\Primary sample collection manual | Page No:                                     | 6/88      | App. By DTM:                         | Dr. Summaiya Mullan                 |
| Revision No 1 & Date: 20/06/2025                                | Amendment No:                                | 1         | issued to :                          | Microbiology dept. College building |
| Copy No: 1/9                                                    | Amendment Date:                              | 10/1/2026 |                                      |                                     |

|     |                                                                                                      |          |
|-----|------------------------------------------------------------------------------------------------------|----------|
| 70. | Cytomegalo Virus IgM ELISA                                                                           | Non NABL |
| 71. | Epstein Barr Virus IgM ELISA                                                                         | Non NABL |
| 72. | Dengue serotyping-Qualitative-RT-PCR test                                                            | Non NABL |
| 73. | Respiratory Panel-Qualitative RT-PCR test                                                            | Non NABL |
| 74. | Meningitis Panel-Qualitative Rt-PCR test                                                             | Non NABL |
| 75. | Cl. Difficile Rapid test                                                                             | Non NABL |
| 76. | MTB liquid culture and drug sensitivity testing-(Moxifloxacin, Linezolid, Pyrazinamide, Clofazimine) | NABL     |
| 77. | MTB solid culture-LJ medium                                                                          | NABL     |
| 78. | Cryptococcus Antigen detection rapid                                                                 | Non NABL |
| 79. | Fluorescence stain for TB identification                                                             | NABL     |

|                                                                |                                              |           |                                      |                                        |
|----------------------------------------------------------------|----------------------------------------------|-----------|--------------------------------------|----------------------------------------|
| Primary sample collection manual                               | New Civil Hospital Surat Laboratory Services |           | Prepared by deputy technical manager | Dr. Dipal Chauhan                      |
| MI:\Internal Documents\0012\b\Primary sample collection manual | Page No:                                     | 7/88      | App. By DTM:                         | Dr. Summaiya Mullan                    |
| Revision No 1 & Date: 20/06/2025                               | Amendment No:                                | 1         | issued to :                          | Microbiology dept.<br>College building |
| Copy No: 1/9                                                   | Amendment Date:                              | 10/1/2026 |                                      |                                        |