

For any consultation / query please feel free to contact

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For Further Details



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Kolkata - 700 099  
Contact No. : 033 4401 - 3000 / 3001 / 3002 (SNK)  
033 64990882 (Lab No.)

**Microbiology Laboratory : Ext. No. - 25**  
**Clinical Pathology Laboratory : Ext. No. - 28, 35**

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# Aditya Birla Sankara Nethralaya



## LABORATORY TESTS ON

- ★ Clinical Microbiology
- ★ Serology
- ★ Molecular Microbiology
- ★ Clinical Hematology & Clinical Pathology
- ★ Clinical Biochemistry

### Bacteriology & Mycology

- Gram's stain
- KOH / Calcofluor (Fluorescent Microscopy)
- India Ink
- Giemsa stain
- ZN stain for AFB
- Bacterial Culture (Aerobic) for all samples including urine, pus, respiratory samples, CSF, stool and blood
- Bacterial Culture (Anerobic)
- Fungal Culture (including blood culture for fungi)



### Serology

- Rheumatoid Arthritis (RA factor)
- Anti-streptolysin O (ASLO)
- C-Reactive Protein (CRP)
- Widal Test
- Hepatitis B Antigen (HBsAg) (ELISA)
- Antibodies to HIV1 & HIV2 (ELISA)
- Antibodies to Hepatitis C Virus (HCV) (ELISA)

### TORCHES Panel

- Abs. to *Toxoplasma gondii* - IgG & IgM (ELISA)
- Abs. to Rubella Virus - IgG & IgM (ELISA)
- Abs. to Cytomegalo Virus (CMV) - IgG & IgM (ELISA)
- Abs. to Herpes Simplex Virus - IgG & IgM (ELISA)
- Non Treponemal (RPR) and Treponemal (TPHA)



### Molecular Microbiology (Polymerase Chain Reaction Tests)

**PCR is a rapid and reliable test for detection of even minute quantity of the infectious agent (much lower than that detected by conventional methods like microscopy or culture) from a wide range of clinical specimen within a very short time (<24 hrs).**



- PCR for *Mycobacterium tuberculosis*
- PCR for Cytomegalovirus (CMV)
- PCR for Herpes Simplex Virus (HSV) type 1 & 2
- PCR for *Toxoplasma gondii*
- PCR for Eubacterial genome
- PCR for Panfungal genome
- PCR for *Propionibacterium acnes*

### Hospital Infection Control

- We provide comprehensive hospital infection surveillance services with dedicated strategies for wards, HDUs, ICUs, OTs and biosafety cabinets
- Sampling done through conventional means as well as sophisticated slit air sampler
- Expert consultation on infection control strategy based on lab results

### Clinical Hematology and Pathology

- Haemoglobin (Hb)% and haematocrit
- Total RBC Count
- Total WBC count / Differential count
- ESR
- Platelet count
- Blood smear study
- Blood smear for malaria parasites (MP)
- Blood Group & Rh typing
- Stool Routine Analysis, Occult Blood
- Prothrombin Time (PT)
- Partial Thromboplastin Time
- Bleeding Time & Clotting Time
- Mantoux Test

### Clinical Biochemistry

- Blood Glucose (F/R/PP)
- Urea and Creatinine
- Cholesterol
- Liver Function Tests
- Billrubin (Total and Direct)
- Total Proteins & A : G. Ratio
- Alkaline Phosphatase
- ALT (SGPT)
- AST (SGOT)
- Lipid Profile
- Triacyl Glycerol (Triglycerides)

### How to Send Samples

- Kindly make sure that all samples are properly labelled and contain all pertinent information like date and time of sample collection and the nature of investigation required.
  - All samples should be transported in appropriate leak proof container
  - Please contact the concerned laboratory (number given overleaf) for detailed instructions to be followed for collection of samples in case of individual tests.
- All samples are to be submitted in Room No. 13 (sample collection room), Ground Floor, Sankara Nethralaya Kolkata.