

Laboratory Diagnosis & Management of Tuberculosis & Mycobacterial Diseases



Carrying forward
Dr. Ajit Golwilkar's
legacy
of over
Four
Decades

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Accurate diagnosis of Tuberculosis (TB) forms the basis of appropriate treatment. However, it is challenging at times; even with advanced technologies.

Some of the TB diagnosis challenges are

- The Microbiological diagnosis is often difficult due to the paucibacillary nature of the disease
- Primary diagnosis of TB relies mainly on microscopic detection of acid-fast bacilli (AFB), but the method suffers from low sensitivity and the results largely depend on the technician's & observer's skill
- Culture takes anywhere from 1 to 6 weeks' time

A.G Diagnostics Pvt. Ltd. has over 16000 sq. ft. facility with State-Of-The-Art Pathology Laboratory & Diagnostic Centre having cutting-edge technology for diagnosis of Tuberculosis equipped with highly advanced Microbiological & Molecular techniques to overcome the above challenges.

Features of these advanced assays are –

- Accurate & Rapid Results**
- High Sensitivity & Specificity**
- Gold Standard Culture**
- Accurate Culture Identification**
- First Line, Second Line & further DST**

GENEXPERT MTB / RIF

- Direct from specimen: Pulmonary / Extra-Pulmonary
- High sensitivity – 131 organisms/ml
- Rapid Turnaround Time – 2 hours
- Availability of Rifampicin Resistance (RIF)



GENEXPERT XDR

- Detection of MTBC
- Resistance detection
- Isoniazid (INH)
- Fluoroquinolones
- Aminoglycosides
- Ethionamide
- Directly from specimen
- Short turnaround time (TAT)



BD MGIT CULTURE

- Best in the World
- Accurate & Rapid
- 10 viable organisms can get detected
- DST well standardised for 1st & 2nd line

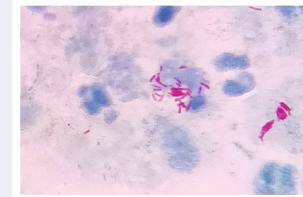


TB PCR

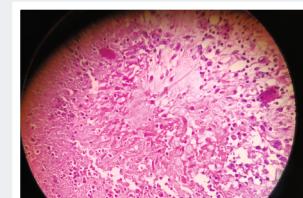
- Detects MTB & MOTT
- Can be done on Pulmonary & Extra-Pulmonary samples



ZN STAINING



HISTOPATHOLOGY EXAMINATION FOR TUBERCULOSIS & OTHER MYCOBACTERIAL DISEASES



ANCILLARY TESTS FOR FOLLOW-UP

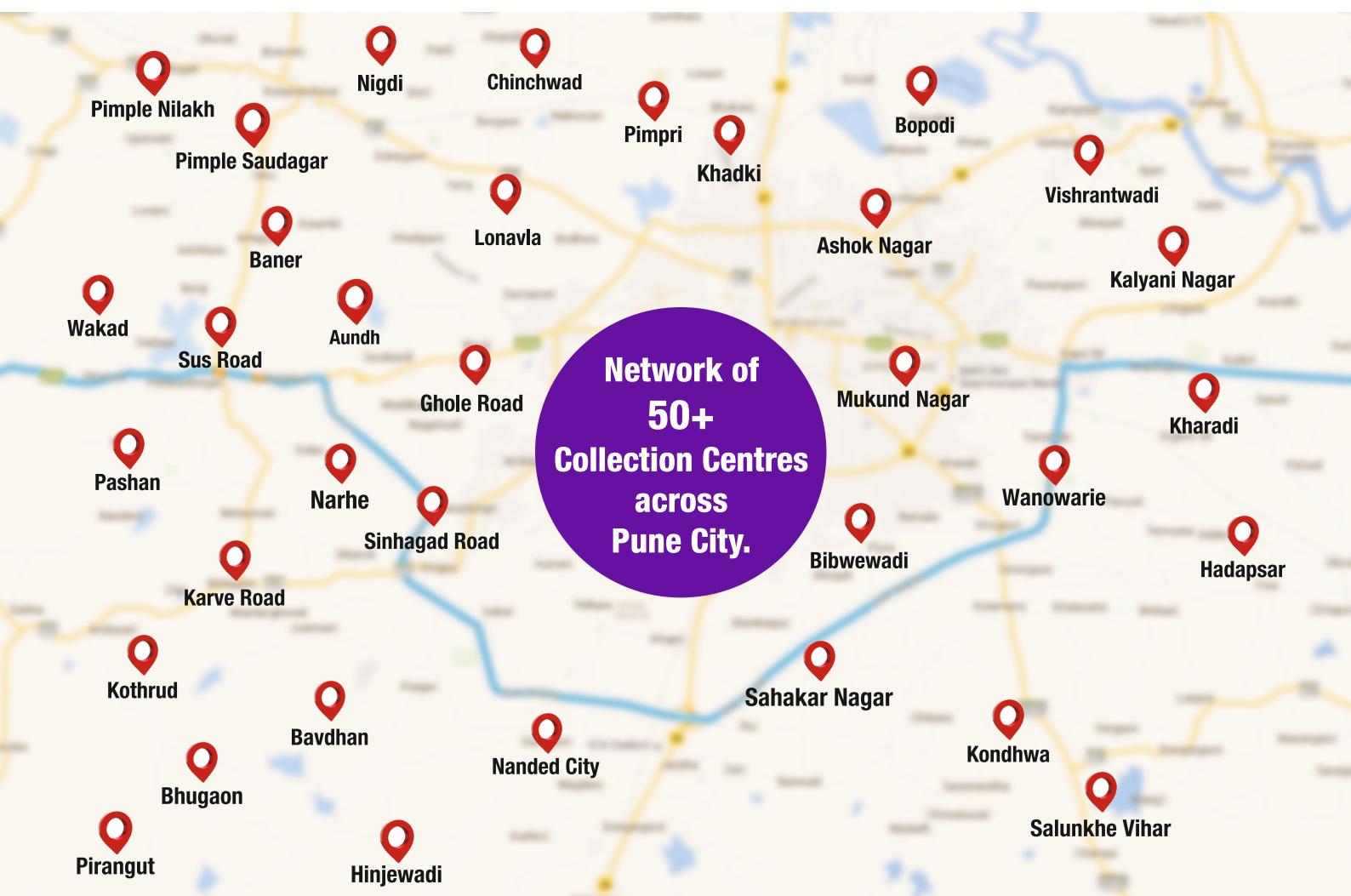
- ESR
- LFT
- CRP
- Hemogram
- ADA
- X-Ray
- LDH



ANCILLARY TESTS FOR DETECTION OF LATENT TB

- TB Gold (Interferon Gamma Test for TB)
- Tuberculin Test





Carrying forward Dr. Ajit Golwkar's Legacy of over 4 decades

State–Of–The–Art Pathology Laboratory & Diagnostic Centre Spread Across 16000 sq. ft.

NABL Accredited as per ISO 15189:2012, Certificate Number : MC – 3143

Skilled and Experienced Pathologists, Microbiologists & Technical Team

Fully Automated & Barcoded Process, Wide Test Menu

Network of over 50 Collection Centres

Services at your Doorstep: Home Collection by our Expert Phlebotomists & Online Report System

Wellness Centre at Main Lab, Bhandarkar Road, well equipped with ECG, Stress Test, 2D Echo, X-Ray, Mammography, USG facilities under one roof, with prior appointment