



BIO  **FIRE**

Molecular diagnosis of infectious diseases

One System. Many applications



Respiratory
Panel 2.1/
Pneumonia
Panel Plus

22/34
targets

4/18 bacteria
18/9 viruses
7 ARG



Blood Culture
Identification
Panel

43
targets

19 bacteria
5 yeast
3 ARG



Gastrointestinal
Panel

22
targets

13 bacteria
5 viruses
4 parasites



Meningitis
Encephalitis
Panel

14
targets

6 bacteria
7 viruses
1 fungi

The Right Test, The First Time.

Syndromic testing is a symptom-driven broad grouping of probable pathogens into one, rapid test that maximizes the chance of getting the right answer in a clinically relevant timeframe.

Syndromic Testing



One Sample



One comprehensive test



Multiple results in one report



Rapid results



Improves patient management

VS.

Traditional Testing



One Sample



Multiple tests ordered



Results take hours to days



Individual results in separate reports



Increased duration of hospital stay

Respiratory Panel 2.1 EUA FDA-Cleared

22 pathogens

Sample :
Nasopharyngeal Swabs



Viral

Adenovirus
Coronavirus 229E
Coronavirus HKU1
Coronavirus Oc43
Coronavirus NL63

Sars-Cov 2

Human Metapneumovirus
Human Rhinovirus/
Enterovirus
Influenza A
Influenza A/H1
Influenza A/H1-2009
Influenza A/H3
Influenza B

Viruses

Parainfluenza 1
Parainfluenza 2
Parainfluenza 3
Parainfluenza 4
RSV

Bacterial

Bordetella pertussis
Bordetella parapertussis
Chlamydophila pneumoniae
Mycoplasma Pneumoniae

Specimen Collection and Preparation

Nasopharyngeal swab (NPS) in

Viral Transport Medium (VTM)

- ▶ No specific swab or VTM type/brand required
- ▶ Multiple swabs/media evaluated in Interference studies
- ▶ 300 μ L required for testing

Specimen transport and storage

- ▶ Room temperature (19°-30° C) for up to 4 hours
- ▶ Refrigerated (2°-8° C) for up to 3 days
- ▶ Frozen (\leq -15° C) for up to 30 days



BioFire Pneumonia Panel Plus

1 Test. 34 Targets.

BioFire Pneumonia Panel Plus Targets

Bacteria (Semi-quantitative)

- ✓ Acinetobacter calcoaceticus-baumannii complex
- ✓ Enterobacter Cloacae complex
- ✓ Escherichia coli
- ✓ Haemophilus influenzae
- ✓ Klebsiella aerogenes
- ✓ Klebsiella oxytoca
- ✓ Klebsiella pneumoniae group
- ✓ Moraxella catarrhalis
- ✓ Proteus spp.
- ✓ Pseudomonas aeruginosa
- ✓ Serratia marcescens
- ✓ Staphylococcus aureus
- ✓ Streptococcus pneumoniae
- ✓ Streptococcus pyogenes

Atypical Bacteria (Qualitative)

- ✓ Chlamydia pneumoniae
- ✓ Legionella pneumophila
- ✓ Mycoplasma pneumoniae

Viruses

- ✓ Adenovirus
- ✓ Coronavirus
- ✓ Human Metapneumovirus
- ✓ Human Rhinovirus/Enterovirus
- ✓ influenza A
- ✓ influenza B
- ✓ Middle East Respiratory Syndrome
- ✓ Coronavirus (MERS-CoV)
- ✓ Parainfluenza
- ✓ Respiratory Syncytial Virus

Antimicrobial Resistance Genes

- ✓ Carbapenemases
IMP
KPC
NDM
OXA - 48 - like
VIM
- ✓ ESBL
CTX-M
- ✓ Methicillin Resistance

Enhance the Standard of Care with the Biofire Pneumonia Panel Plus

Traditional Testing Methods



Blood Cultures²



Culture on Lower Respiratory Samples³



Urine Antigen Testing^{4,5}



Syndromic Testing Method

BioFire Pneumonia Panel Plus¹

Low positivity rate	Low sensitivity	Low sensitivity	High sensitivity
Results in days	Results in days	Results in hours	Results in about an hour
High complexity	Subjective interpretation	Limited organisms	Objective semi-quantitative

Panel Specifications

Sample Type: Sputum (including endotracheal aspirate) and bronchoalveolar lavage (BAL) (including mini-BAL)

Storage Conditions: All kit components stored at room temperature (15-25° C)

BioFire Blood Culture Identification 2 (BCID 2) Panel

1 Test. 43 Targets.

The BioFire BCID2 Panel Targets

Gram- Negative Bacteria	Gram- Positive Bacteria	Antimicrobial Resistance Genes	Antimicrobial Resistance Genes
<ul style="list-style-type: none">✓ <i>Acinetobacter calcoaceticus-baumannii complex</i>✓ <i>Bacteroides fragilis</i>✓ <i>Enterobacterales</i>✓ <i>Enterobacter cloacae complex</i> <i>Escherichia coli</i> <i>Klebsiella aerogenes</i> <i>Klebsiella oxytoca</i> <i>Klebsiella pneumoniae group</i> <i>Proteus</i> <i>Salmonella</i> <i>Serratia marcescens</i>✓ <i>Haemophilus influenzae</i>✓ <i>Neisseria meningitidis</i>✓ <i>Pseudomonas aeruginosa</i>✓ <i>Stenotrophomonas maltophilia</i>	<ul style="list-style-type: none">✓ <i>Enterococcus faecalis</i>✓ <i>Enterococcus faecium</i>✓ <i>Listeria monocytogenes</i>✓ <i>Staphylococcus aureus</i> <i>Staphylococcus epidermidis</i> <i>Staphylococcus lugdunensis</i>✓ Streptococcus <i>Streptococcus agalactiae</i> <i>Streptococcus pneumoniae</i> <i>Streptococcus pyogenes</i>	<ul style="list-style-type: none">✓ Carbapenemases <i>IMP</i> <i>KPC</i> <i>OXA-48-like</i> <i>NDM</i> <i>VIM</i>✓ Colistin Resistance <i>mcr-1</i>✓ ESBL <i>CTX-M</i>✓ Methicillin Resistance <i>mecA/C</i> <i>mecA/C and MREJ (MRSA)</i>✓ Vancomycin Resistance <i>vanA/B</i>	<ul style="list-style-type: none">✓ <i>Candida albicans</i>✓ <i>Candida auris</i>✓ <i>Candida glabrata</i>✓ <i>Candida krusei</i>✓ <i>Candida parapsilosis</i>✓ <i>Candida tropicalis</i>✓ <i>Cryptococcus neoformans/gattii</i>

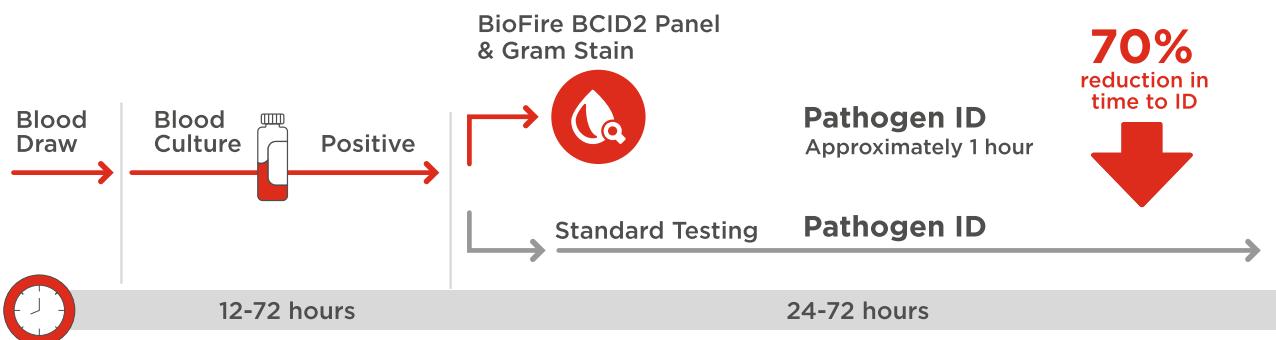
Specimen Collection and Preparation

Positive Blood Culture Bottle

- ▶ Flagged by instrument
- ▶ Positive by gram stain
- ▶ Sample Volume - 100 µl
- ▶ Do not use charcoal bottles
- ▶ Use 28 gauge needle to avoid resin introduction into pouch



Streamline Workflow and Provide Fast, Actionable Results



GI Panel CE & FDA- Cleared

22 pathogens

Sample :
Stool resuspended in
Cary Blair



Bacteria

Aeromonas
Campylobacter
Clostridium
difficile (Toxin A/B)
Plesiomonas
shigelloides
Salmonella
Vibrio
Vibrio cholerae
Yersinia
enterocolitica

Protozoa

Cryptosporidium
Cyclospora
cayetanensis
Entamoeba
histolytica
Giardia lamblia

Viruses

Adenovirus F 40/41
Astrovirus
Norovirus GI/GII
Rotavirus A
Sapovirus

Diarrheagenic
E.coli I
Shigella

E.coli O157
Enteroggregative
E.coli(EAEC)
Enteropathogenic
E. coli(EPEC)
Enterotoxigenic
E. coli (ETEC)
Shiga-like toxin-
producing E.coli
(STEC)
Shigella
Enteroinvasive
E.coli (EIEC)

Specimen Collection and Preparation

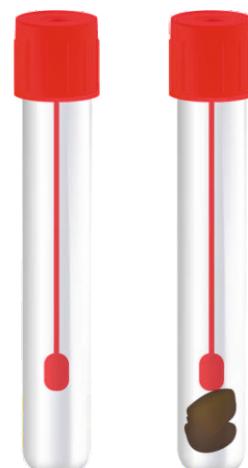
Stool in Cary Blair Transport Media

- ▶ Provides a liquid sample
- ▶ Add stool upto the line marked, mix
- ▶ Do not overfill

Sample Volume- 200mL

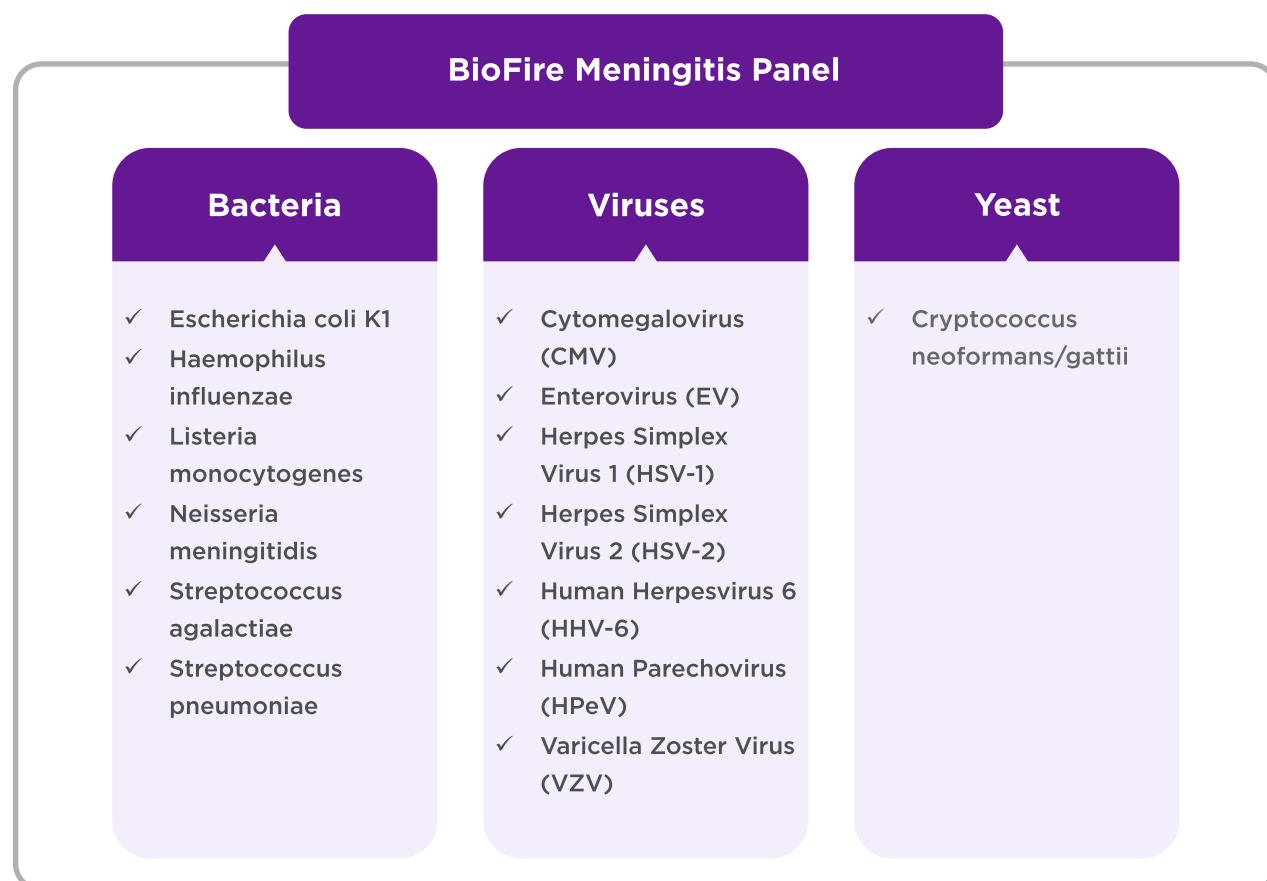
Sample Storage

- ▶ Up to 4 days
- ▶ Ambient or refrigerator temperature

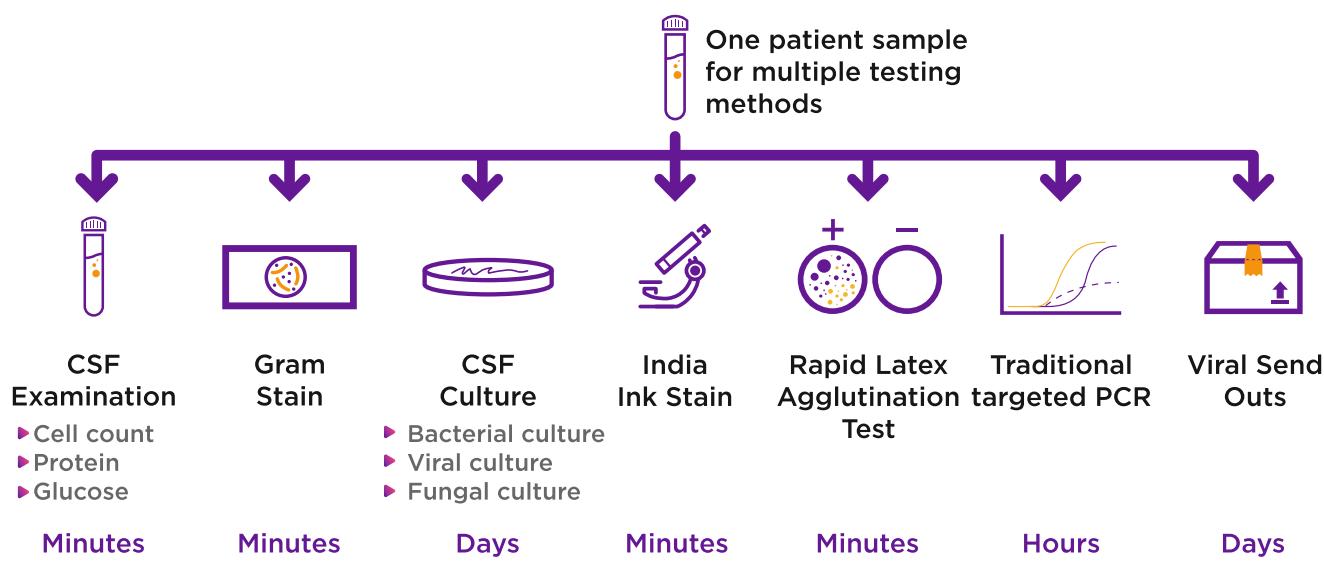


BioFire Meningitis Panel

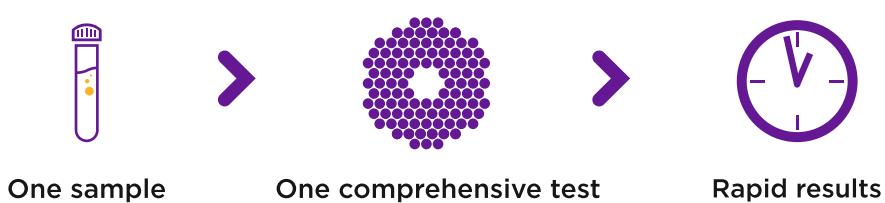
1 Test. 14 Pathogens.



Traditional Testing Methods



BioFire FilmArray Meningitis Panel



How Does the FilmArray Work?

The FilmArray reagent pouch stores all the necessary reagents for sample preparation, reverse transcription, PCR and detection in a freeze-dried format. Prior to a run, the user injects hydration solution and sample, combined with sample buffer mix into the pouch. The FilmArray instrument does the rest.

- ▶ First, the Film Array extracts and purifies all nucleic from the sample.
- ▶ Next, the FilmArray performs a nested multiplex PCR. During the first-stage PCR, the FilmArray performs a single, large volume, massively multiplexed reaction. Last, individual single plex second-stage PCR reactions detect the products from the first stage PCR.
- ▶ Using endpoint melting curve data, the FilmArray software automatically generates a result for each target in a single report.

FilmArray®

The Fastest Way To Better Results



Easy, Fast, Comprehensive and Scalable

Easy

- ▶ No precise pipetting required
- ▶ Simple sample preparation

Fast

- ▶ Two minutes of hands-on time
- ▶ Run time of only one hour

Comprehensive

- ▶ 5 panels CE-marked and FDA cleared
- ▶ Up to 43 different targets in one test

High Throughput

- ▶ Up to 176 runs per day
- ▶ Random access 24/7
- ▶ Scalable
- ▶ LIS

Notes :

A.G Diagnostics Pvt. Ltd.

COLLECTION CENTRES

ASHOK NAGAR

Office No. 1, Plot No.18,
Ashok Sankul - 1, Rangehills Road.
7796640321

BHANDARKAR ROAD

Flat No. 3, 852/1, Dinkar Baug Apts.,
1st Floor.
020-67636763

BOPODI

C/O. Dr. Girme, Sunshine Greens,
Near St. Thomas School, Khadki.
7058656043

GHOLE ROAD

C/O. Suman Nursing Home,
1194/19 B, Ghole Road, Shivaji Nagar.
7796640292

KALYANI NAGAR

Shop No. 11 & 12, Gera Landmark,
Kalyani Nagar.
7796640298

KHARADI

Shop No.5, Mio Palazzo,
S. No. 57,58, Near EON IT Park.
7796658055

KOTHRUD-DAHANUKAR

Business Hub, Shop No. 5,
Warje Malwadi Road,
Happy Colony, Kothrud.
7447714546

KOTHRUD-PINNAC

Ground Floor, Pinnac House,
Sheth UM Rathi Path.
7796640293

AUNDH

C/O. Dr. V. V. Kaulgud, Shop No.1,
Darpan Apartments, Sanghavi Nagar.
7796640310

BHUGAON

Survey No. 269/1, Sanas Nagar,
Paud- Bhugaon Road.
7796658369

BUND GARDEN ROAD

C/O. Star Imaging, Ground floor,
Connaught Place, opp Wadia College.
7796640297 / 020 67636763

HADAPSAR

Shop No. 4, Satyalok Society,
Near Hadapsar Police Chowky.
7796640320

KARVE ROAD

C/O. Panacea Clinic, Swaroop Nagari,
Next to Karishma Chowk.
7796640325

KONDHWA - LULLA NAGAR

Shop No. 5, Gera Junction, Lulla nagar
Chowk, Bibwewadi-Kondhwa Link Road.
7796640318

KOTHRUD-PAUD ROAD

Shop No. 7, Mangalam Chambers,
Opp. Yena Bungalow.
7796640308

LONAWALA

Shop no.1, Next to Bohri Society,
Near Lunawat Saw Mill.
8956227536

BANER

C/O. Ananya Clinic, Mont Vert Zenith,
Flat No 101.
7796640314

BIBWEWADI

Shop No. 6, Tirupati Apts.,
Gagangiri Co-op Hsg. Soc.
7796640304

CHINCHWAD- SHAHU NAGAR

Flat No. 001, Shrinivas Apt.,
GP 106, G Block, Mahabali Chowk.
8625912952

HINJEWADI

Zinnea Elegans, Bhumkar Nagar,
Wakad, Hinjewadi Phase 1.
8956227538

KHADKI

Shop No. 3, Sukh Niwas Building,
New Khadki Bazar Road.
7796658368

KOTHRUD- DP ROAD

Shop No. 20, Shvitara Garden,
Building No. C 3, S.No. 46/1A.
9860532513

KOTHRUD - PAUD ROAD

C/O. Sindhu Nursing Home
D-1, Rahul Complex, Jai Bhavani Nagar
Bus Stop, Near Krishna Hospital.
020 - 41205461



A.G Diagnostics Pvt. Ltd.

COLLECTION CENTRES

MUKUND NAGAR

Shop No. 19, Sujay Garden
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7796640317

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C/O. Vibhute Hospital, 2149,
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7796640316

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C/O. Vighnaharta Polyclinic,
Vikrant Complex, No. 3.
7796640323

SAHAKAR NAGAR

Shop No. A 2/8, Aranyeshwar Park
Phase II, Near Chitale Bandhu Shop.
7796640291

SINHAGAD ROAD

C/O. Shree Yog Clinic, Laxmikrupa Apt.,
Behind Sujata Mastani, Hingane Khurd.
7796658090

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Kalewadi Phata, Kaspatewasti.
7709685951

VITALIFE-BAVDHAN

Ground Floor, Flat No. 203
Heera Heights, NDA Pashan Road.
7796640306

VITALIFE-PIMPLE SAUDAGAR

2nd Floor, Solaris Gym Bldg.,
Opp. Star Market, Kunal Icon Road.
7796640324

SANJIVANI VITALIFE HOSPITAL

24/1, New D.P. Road,
Aundh, Pune.
020-67643244

NANDED CITY

G-100, Destination Centre,
Nanded City.
020-67520337

NIGDI

Plot No.184, Sector No.25,
Dr. Ambedkar Marg, Nigdi Pradhikaran.
7796640309

PIMPRI- SUKHANI CHAMBERS

Shop No. 19, Pimpri Station Road.
7796640322

SALUNKHE VIHAR

C/O. Dr Abbas Chopdawala,
Charu Apartment, Nanak Society.
7796658367

SINHAGAD ROAD

Office No.i-106, Bhamini Arcade,
Mouje Parvati, Opp Rohan Kritika.
8956228547

WANOWARIE

C/O. Dr Arun Kamble, 1st Floor,
Parmar Villa 1.
020-41214068

VITALIFE- BORSE NURSING HOME

Saudamini Society, Right Bhusari Colony,
Off Paud Road.
7796640307

VITALIFE-WAKAD

Shop No. 1&2 Nisarg Tulip,
Datta Mandir Road.
7796640312

AHMEDNAGAR

Prabhakunj, Professor
Colony Road, Sawedi.
0241-2421289/95

NARHE

Smt. Kashibai Navale Medical College
Off. Mumbai - Pune Bypass.
7796640300

PIMPLE SAUDAGAR

C/O. Healing Touch Hospital, 5/2,
CTS No. 1012, Rahatani Road, Rahatani.
7796640295

PIRANGUT

1421, Shop No. 8, Pirangut Camp,
Nr. Shreemant Collection.
8956227532

SINHAGAD ROAD

Shop No. 12, Ganga Bhagyodaya,
Manik Baug.
7796640301

VISHRANTWADI

Rankapur Darshan Apt., 1st Floor,
101, Pratik Nagar Chowk.
8956228552

VITALIFE-BANER

Srushti Elegance,
Nr. Jupiter Hospital.
7796640313

VITALIFE-PIMPLE NILAKH

Shop No. 112, 1st Floor
Sai Crystal Mall, DP Road.
7796640311

VITALIFE-SUSROAD

111, 1st Floor
Monte Vert Arcade, Pashan.
7796640315





NABL
Approved Labs



16,000 sq.ft.
State-Of-The-Art Lab



50+
Collection Centres



Home Collection Facility
by Expert Phlebotomists

A.G Diagnostics Pvt. Ltd. is a reputed, state-of-the-art clinical diagnostics laboratory, spread over 16,000 sq.ft. processing centre at Bhandarkar Road, Pune having a network of over 50 collection centres across Pune region.

A.G Diagnostics has invested in cutting-edge equipment that renders pathology services with utmost precision. Thus, A.G Diagnostics team always take a pride to become a Healthcare Partner with all our customers by offering them the full range of Pathology Services, Home Collection Facility & Wellness Services (located at Main Lab, Bhandarkar Road).

Legacy of Dr. Ajit Golwilkar of over 4 decades, is now ably carried forward by both his daughters - Dr. Awanti Golwilkar- Mehendale and Dr. Vinanti Golwilkar-Patankar. Currently, Dr. Awanti & Dr. Vinanti run this world class, highest quality standard diagnostic set-up of A.G Diagnostics Pvt. Ltd., which is backed up by a team of expert Pathologists, Microbiologists, skilled Phlebotomists and Technicians to deliver reliable & accurate diagnosis in shortest possible time.

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

Main Lab : A.G Diagnostics Pvt. Ltd.
Nayantara, Bhandarkar Road, Pune 411004. INDIA
info@agdiagnostics.com www.agdiagnostics.com

Tel. : +91 20 6763 6763 / +91 20 2565 1400



Call 020 6763 6763