



# TBXPert-SMEAR (T0057)

Single panel which helps to screen and diagnose TB

## Clinical Utility



Panel includes FDA approved **Genexpert & TB Smear** which are 1st line tests for diagnosing TB



Helps in TB diagnosis along with Rifampicin drug resistance



Enables detection of multiple mutations across several genes in a single sample



Helps to monitor disease progression and therapeutic outcomes



Classifies smear as 4+, 3+, 2+, or 1+. Greater the number, greater bacterial load is present in infected patient

## Test Ordering Information

Test Code	Test Name	Specimen	Method	TAT
T0057	TBXPert-SMEAR (Genexpert, AFB Smear)	Sputum, Other Body fluids/ Biopsy except blood	Genexpert, Microscopy	24 hrs
<b>Also Available</b>				
TBCX	TB CultureXpert combo (Genexpert, AFB Smear, TB Culture)	Sputum, Other Body fluids/ Biopsy except blood	Genexpert, Automated Culture, Microscopy	6 weeks



## RESPIFAST INFECTION PANEL (Qualitative) BAL (RESPIFSTPNL01)

### Clinical Utility



First multiplex RT-PCR method to detect the genetic material (RNA or DNA) of some of the more common pathogens which cause URTI and LRTI



Covers a broad range of pathogens (bacteria and viruses)



Identifies 14 Bacteria and 17 viruses in a single reaction utilizing qualitative multiplexed TaqMan based RT-PCR for amplification of specific genomic regions of these pathogens



Highly sensitive, specific & accurate

### Pathogens Covered

#### Viral Pathogens :

*Human Parechovirus, Human Coronavirus, Human Parainfluenza, Virus 1, Human Parainfluenza, Virus 2, Human Parainfluenza, Virus 3, Human Parainfluenza, Virus 4, Influenza A Virus, Influenza B Virus, Influenza C Virus, Human Metapneumovirus, Influenza A H1N1 (SWI), H3N2 Virus, Enterovirus, Adenovirus, Human Respiratory Syncytial Virus, Human Rhinovirus, Human Bocavirus.*

#### Bacterial Pathogens :

*Staphylococcus aureus, Streptococcus pneumoniae, Klebsiella pneumoniae, Mycoplasma pneumoniae, Salmonella spp., Streptococcus pyogenes, Bordetella spp, Chlamydia pneumoniae, Streptococcus agalactiae, Acinetobacter baumannii, Pseudomonas aeruginosa, Legionella pneumophila, Haemophilus influenzae B, Moraxella catarrhalis.*

### Test Ordering Information

Test Code	Test Name	Specimen	TAT
RESPIFSTPNL01	Respifast Infection panel (Qualitative), BAL	BAL	24 hrs
<b>Also Available</b>			
RESPIFSTPNL02	Respifast Infection panel (Qualitative), Nasopharyngeal Swab	Nasopharyngeal Swab	2 days
RESINF08	Respiratory Mini panel (Influenza A, Influenza B, RSV-A, RSV-B, H1N1, H3N2, SARS-CoV-2, Adenovirus)	Nasal/Oral Swab	24 hrs
ATYPBACPNL01	Atypical Bacterial Infection Panel (Qualitative), Nasopharyngeal Aspirate	Nasopharyngeal Aspirate	2 days
CAQPNPNL01	Community Acquired Pneumonia Panel (Qualitative), BAL/Tracheal aspirate	BAL/Tracheal aspirate	
CAQPNPNL02	Community Acquired Pneumonia Panel (Qualitative), Nasopharyngeal aspirate	Nasopharyngeal Aspirate	
CAQPNPNL03	Community Acquired Pneumonia Panel (Qualitative), Sputum	Sputum	
VIRALPNEUPNL01	Viral Pneumonia Panel(Qualitative), BAL/ Tracheal aspirate	BAL/Tracheal aspirate	
VIRALPNEUPNL02	Viral Pneumonia Panel Qualitative), Nasopharyngeal aspirate	Nasopharyngeal Aspirate	
VIRALPNEUPNL03	Viral Pneumonia Panel(Qualitative), Sputum	Sputum	

**Method :** RT-PCR