

# LUNG CANCER NGS

(Test Code : 15007)

**#1** common cancer in the world and ranks as one of the top ten fatal cancers

**1 in 5** cancer deaths are due to Lung Cancer

**L**ung cancer, is a malignant lung tumor characterized by uncontrolled cell growth in the lungs. If left untreated, this growth can spread beyond the lungs by the process of metastasis into nearby tissues or other parts of the body. The two major types of lung cancers are Non-Small Cell Lung Cancer (NSCLC) and Small Cell Lung Cancer (SCLC).

## What We Focus

Lung cancer NGS utilizes next-generation sequencing (NGS) techniques. Compared to multiple PCR and Sanger sequencing assays, this test can assess mutation status in multiple genes simultaneously, thereby reducing the risk of sample exhaustion in small biopsy specimens. Furthermore, by performing this assay as a panel, it minimizes the turnaround time associated with multiple reflex-based methods. An additional advantage of NGS technology is its ability to cover regions of genes not typically covered by common PCR techniques. The resultant reports contain up-to-date and relevant clinical trial information regarding the detected abnormalities, which simplifies therapeutic decisions for physicians.

**18 genes  
Detected  
under this  
Lung cancer  
panel**

AKT1 ALK APC ATM BRAF  
EGFR CDKN2A FBXW7 Tp53  
ERBB2 ERBB4 FGFR1 KIT  
FGFR2 KDR KRAS MET  
PTEN

## Test Details

|             |                                  |
|-------------|----------------------------------|
| Test Name   | Lung Cancer NGS                  |
| Test Code   | 15007                            |
| Specimen    | Blood/ FFPE Tissue/ Tumor Biopsy |
| Methodology | Next Generation Sequencing       |
| Result On   | 15 Days                          |

Feel free to call us

12A, Cowley Brown Road (East), R.S Puram, Coimbatore - 641 002 : A  
0422 - 2540525, 2556628, 2550673 : P  
microlabcbe@microlabindia.com : E  
[www.microlabindia.com](http://www.microlabindia.com) : W  
1800 425 1316 : T

**Microbiological  
Laboratory**

