



Introduction

The BGI SENTIS™ Lung Cancer Panel is a Next Generation Sequencing (NGS)-based genetic test that enables highly accurate mutation detection across the most clinically relevant genes associated with lung cancer.

The panel allows highly sensitive detection of 189 hotspot mutations across 11 genes, from tissue or liquid biopsy samples, providing a comprehensive molecular profiling of lung cancer for clinicians and researchers.

The Power of Knowing

BGI SENTIS™ Lung Cancer Genetic Testing (Tissue/ctDNA)

Advantages

- | | |
|----------------------|---|
| Comprehensive | <p>A single assay that detects most common types of genomic alterations including base substitutions, InDel, CNV and fusions</p> <p>Evidence-based therapeutic interpretation: providing molecular evidence for the consideration of 20 targeted therapies</p> |
| Flexible | <p>Accepts various sample types</p> <ul style="list-style-type: none">- BGI SENTIS™ Lung (Tissue): fresh tissue, FFPE, or DNA- BGI SENTIS™ Lung (ctDNA): peripheral blood or DNA |
| Reliable | <p>Pathology check conducted on each FFPE sample to ensure good representation of tumor cells being tested</p> <p>Liquid biopsy version allows genetic profiling in situations where tissue is not available or continuous monitoring of tumor molecular profile is required.</p> |

The Power of Knowing

BGI SENTIS™ Lung Cancer Genetic Testing (Tissue/ctDNA)

Gene Panel

| GENE | COVERAGE |
|--------|---|
| EGFR | Exon 18, 19, 20, 21 base substitutions and InDels |
| ALK | Exon 22, 23, 25 base substitutions; Fusions |
| KRAS | Exon 2, 3 base substitutions |
| NRAS | Exon 2, 3 base substitutions |
| MET | Exon 14 skipping mutations |
| BRAF | Exon 11, 15 base substitutions |
| ROS1 | Fusions |
| RET | Fusions |
| DDR2 | Exon 18 base substitutions |
| ERBB2 | Exon 20 Indels |
| PIK3CA | Exon 20 base substitutions |

Sample Requirements

BGI SENTIS™ Lung (Tissue)

- >60mg tissue or 10 FFPE 10mm*10mm (5-10µm) sections or 2-3 samplings of biopsy or ≥500ng good quality, tumor DNA

BGI SENTIS™ Lung (ctDNA)

- ≥8mL of peripheral blood (separated plasma and formed elements) or ≥8mL of peripheral blood collected in Streck Cell-Free DNA BCT® tube

Contact your local BGI representative for more information or email info@bgi-international.com.

More information can also be found on our website.

www.bgi.com/global/

Turnaround Time

6 working days (from sample arriving at BGI lab to report)

Ordering Information

| ITEM | CATALOG NO. |
|---------------------------|-------------|
| BGI SENTIS™ Lung (Tissue) | DX0664 |
| BGI SENTIS™ Lung (ctDNA) | DX1459 |

Workflow

