

A woman with dark hair tied back, wearing a white lab coat and blue gloves, is looking through a microscope in a laboratory setting. The background is a blurred blue-toned laboratory environment.

# Oncolife

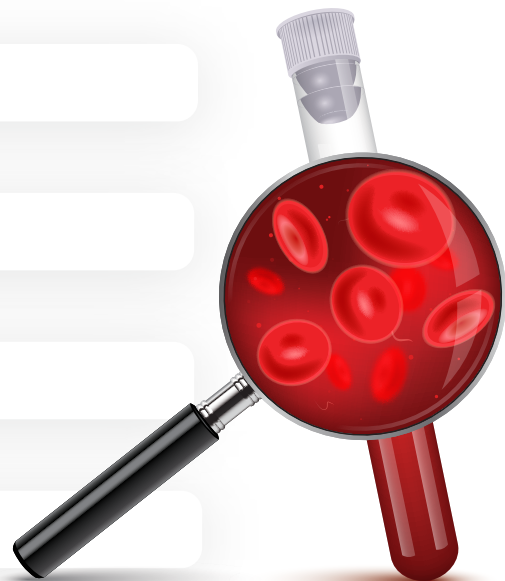
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# Liquid Biopsy

## Hotspot 50 Gene Panel Assay

The use of liquid biopsy (Primarily from Blood) in Solid malignancy provides a Convenient and Safe way to detect the presence of

- Actionable Driver Mutations
- Monitoring Disease Progression
- Resistance Mechanisms
- Eligibility for Targeted Therapy



## Clinical Utility

- Diagnostic screening of various hotspot mutations covering 50 genes in one go in liquid biopsy.
- Coverage of Genomic aberrations: relevant **hotspots - single-nucleotide variants (SNVs), indels and splice site mutations (DNA)**.
- **Real time monitoring of disease response/relapse esp. in solid organ malignancies like lung, colorectal etc**

### AMC/ACMG/ASCO/CAP/NCCN/EMA/ESMO

#### Guidelines followed

LABL1 | EGFR | GNAQ | KRAS | PTPN1 | AKT1 | ERBB2 | GNAS | MET | RB1 |  
 ALK | ERBB4 | HNF1A | MLH1 | RETAPC | EZH2 | HRAS | MPL | SMAD4 | ATM |  
 FBXW7 | IDH1 | NOTCH1 | SMARCB1 | BRAF | FGFR1 | IDH2 | NPM1SMO | CDH1 |  
 FGFR2 | JAK2 | NRAS | SRC | CDKN2A | FGFR3 | JAK3 | PDGFRA | STK11 | CSF1R  
 | FLT3 | KDP | PIK3C4 | TP53 | CTNNB1 | GNA11 | KIT | PTEN | VHL

## Test Details

Test Code	Test Name	Components	Specimen Type	Methodology	TAT
ONCO0154	Oncolife - Liquid Biopsy - Hotspot 50 Gene Panel Assay	50 genes (DNA mutations)	10 ml peripheral blood in Streck tube	NGS	15 days
ONCO0054	Oncolife - Liquid Bx. Cell Free Lung cancer panel (12 genes)	12 genes			4 weeks
ONCO0039	Oncolife - Liquid biopsy 52 gene panel	52 genes (DNA & RNA mutations)			4 weeks
ONCO0118	Oncolife - Liquid Bx 4 gene panel (NGS)	EGFR (Exon 18, 19, 20, 21), BRAF (Exon 15), KRAS (Exon 2, 3, 4), NRAS (Exon 2, 3, 4)			15 days