

Turn around time, **4 Working Days**

Covering FDA-approved, NCCN- and ESMO- recommended clinically actionable biomarkers

Easy-to-read report with variant tier classification adapted from AMP/ASCO/CAP recommendation

Harness the power of DNA & RNA:

Deliver actionable information for personalized treatment selection with APEX

A 50-gene, targeted Next-Generation Sequencing (NGS) panel for the detection of sensitizing and resistance mutations for cancers in:

- ✓ Lung
- ✓ Breast
- ✓ Colorectal
- ✓ Gastrointestinal Stromal

Gene List (50 genes)

AKT1	CHEK2	FGFR4	MAP2K1	PDGFRA
AKT2	CTNNB1	FLT3	MAP2K2	PIK3CA
AKT3	EGFR	GNA11	MET	PTEN
ALK	ERBB2	GNAQ	MTOR	RAF1
AR	ERBB3	GNAS	NRAS	RET
ARAF	ERBB4	HRAS	NRG1	ROS1
BRAF	ESR1	IDH1	NTRK1	RSPO2
CD274	FGFR1	IDH2	NTRK2	RSPO3
CDK4	FGFR2	KIT	NTRK3	SMO
CDKN2A	FGFR3	KRAS	NUTM1	TP53

◆ SNVs/InDels
■ Amplifications
● Fusions

Patient profiles suitable for APEX



Non-Small Cell Lung Cancer

Newly diagnosed, treatment-naïve patients with advanced NSCLC for 1L treatment selection. Relapsed patients who progressed on 1L/2L EGFR, ALK or ROS1 TKI.



Colorectal Cancer

Newly diagnosed, treatment-naïve patients with metastatic CRC, in which testing for *KRAS/NRAS/BRAF* status is intended.



Breast Cancer

HR+/HER2- BC patients who progressed on CDK4/6 inhibitor and AI, in which testing for resistance mutations is intended.



Gastrointestinal Stromal

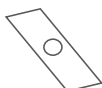
Newly diagnosed, treatment-naïve patients with advanced or metastatic GIST in which testing for *KIT/PDGFR* mutation is intended.

Note: Not suitable for patients who have failed multiple treatments and exhausted most treatment options. A larger panel may be warranted in these patients.

Sample Requirement



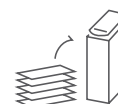
Provide 10 unstained sections (5-10 μ m thick) on uncoated/uncharged slides*



Provide 1 matching H&E stained slide with tumour region marked out



Tumour cellularity: $\geq 30\%$
Tumour region: $\geq 25 \text{ mm}^2$



Place all the slides in the slide holders provided

* Additional 5 sections are required if tumour region $< 25 \text{ mm}^2$

mirxes
TO KNOW. TO ACT.

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