

RT PCR TESTS COMPARISON CHART

RT-PCR detects key somatic mutations in genes like EGFR, PIK3CA, KRAS, and NRAS from FFPE tissue samples. It delivers fast, accurate results to support targeted cancer treatment decisions.

TESTS	WHAT IT DETECTS	CANCERS	SAMPLE	RESULTS IN	WHO SHOULD TEST?	DOCTOR'S REQUEST?	WHY IT HELPS
EGFR	8 key mutations in EGFR gene	Non-Small Cell Lung Cancer (NSCLC)	Tumor tissue (FFPE)	3 days	NSCLC patients needing targeted therapy	Yes	Guides effective treatment decisions quickly
PIK3CA	5 mutations in PIK3CA gene	Breast, colon, and related cancers	Tumor tissue (FFPE)	3 days	Breast/colon cancer patients	Yes	Supports personalized targeted therapy
KRAS	18 variants in KRAS gene	Colorectal, lung, pancreatic, others	Tumor tissue (FFPE)	3 days	Patients with colorectal or lung cancers	Yes	Helps select the best treatment options
NRAS	11 variants in NRAS gene	Melanoma, colorectal, others	Tumor tissue (FFPE)	3 days	Melanoma or colorectal cancer patients	Yes	Enables personalized therapy planning
Leukemia Fusion Gene Test	Upto 55 Fusion Genes	Leukemia(AML, ALL,CML,CLL)	Blood and bone marrow	3 days	Patients with suspected or confirmed leukemia. Patients requiring treatment monitoring.	Yes	Enables accurate diagnosis and classification
Myeloproliferative Neoplasms Test	Detects JAK2, CALR,MPL,CSF3 R mutations	Polycythemia Vera (PV), Essential Thrombocythemia (ET),Primary Myelofibrosis (PMF)	Blood and bone marrow	3 days	Patients with unexplained elevated blood counts, Patients undergoing treatment monitoring	Yes	Supports personalized, targeted treatment decisions