

Disorder	Gene/Exon	Quantity/Material	Frequency Test duration	Method
Gastrointestinal stromal tumors (GIST) ⁺	<i>KIT</i> Exon 9, 11, 13, 17 <i>PDGFRA</i> Exon 12, 14, 18	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Bladder cancer ⁺	<i>FGFR3</i> Exon 7, 10, 15	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Colorectal carcinoma (CRC) ⁺	<i>BRAF</i> Exon 15 <i>KRAS</i> Exon 2, 3, 4 <i>NRAS</i> Exon 2, 3, 4 <i>PIK3CA</i> Exon 10, 11	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Non-small-cell lung carcinoma (NSCLC) ⁺	<i>BRAF</i> Exon 15 <i>EGFR</i> Exon 18, 19, 20, 21 <i>KRAS</i> Exon 2, 3, 4 <i>MET</i> Exon 2, 14, 16, 19	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Circulating tumor DNA ⁺	<i>EGFR</i> T790M	10 ml blood in PAXgene Blood ccfDNA tubes (auf Anfrage erhältlich)		Mass Spectroscopy
Malignant melanoma ⁺	<i>BRAF</i> Exon 15 <i>KIT</i> Exon 9, 11, 13, 17 <i>NRAS</i> Exon 2, 3, 4	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Breast cancer/Ovarian cancer	<i>BRCA1</i> (CDS complete) <i>BRCA2</i> (CDS complete)	5-10x 10 µm FFPE slides	as needed 5-6 days	NGS
Pancreatic cancer ⁺	<i>GNAS</i> Exon 8, 9 <i>KRAS</i> Exon 2, 3, 4	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger
Thyroid cancer ⁺	<i>BRAF</i> Exon 15 <i>HRAS</i> Exon 2, 3, 4 <i>KRAS</i> Exon 2, 3, 4 <i>NRAS</i> Exon 2, 3, 4 <i>RET</i> (CDS complete)	5-10x 10 µm FFPE slides	as needed 5-6 days	Sanger

Note:
Request forms for the analyses are available in the download area of our homepage.