This test provides clinically relevant information on translocations and expression of cancer-specific genes. This assay is designed to detect various translocations involving more than 60 genes, including ALK, ROS1, RET, NTRK1, NTRK2, NTRK3, BRAF, CIC, EWSR1, PD-L1, and others. This also covers screening for sarcoma translocations and aids in sarcoma diagnosis and classification. In addition, expression of genes of clinical relevance is reported including MYC, PD-L1, and others.

GTC-Solid Tumor Fusion/Expression Profile

Specimen Requirements:

-FFPE: 1 H&E slide and 6-8 unstained slides, 5-7 microns of tissue fixed with 10% NBF fixative. Please circle tumor for microdissection. Alternatively, the FFPE block can be sent for tumor circling and cutting at our laboratory.

Shipping:

Ship using cold pack. The cold pack should not directly contact specimen. Ship As soon as sample collected with overnight delivery.

Turn Around Time:

7-10 days

Tested Genes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Fusion/Expression** | | | | | | | | | | | | | |
| ABL1 | BCL2 | CBFB | ERG | FGFR2 | FOXO1 | IKZF3 | MAP3K1 | NTRK1 | NUP98 | PICALM | RHOA | SS18 | TCF3 |
| AKT3 | BCL6 | CIC | ETV6 | FGFR3 | FUS | JAK2 | MECOM | NTRK2 | PDGFRA | PML | ROS1 | STAT6 | TFG |
| ALK | BRAF | CREBBP | EWSR1 | FIP1L1 | GLI1 | KIAA1549 | MYC | NTRK3 | PDGFRB | RARA | RUNX1 | TAFG | YWHAE |
| BCL1 | CAMTA1 | EGFR | FGFR1 | FLAG1 | HMGA2 | KMT2A | NOTCH1 | NUP214 | PD-L1 | RET | RUNX1T1 | TAL1 |  |