



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





NeoTYPE® GIST and Soft Tissue Tumor Profile

Alternative Name

Soft Tissue Tumor Profile, Gastrointestinal Stromal Tumor Profile

Methodology

Molecular

Test Description

The NeoTYPE GIST/Soft Tissue Tumor Profile analyzes 43 biomarkers through a combination of next-generation sequencing (NGS), FISH, and IHC as listed below. Test orders include summary interpretation of all results to help guide treatment decisions. A microsatellite instability (MSI) NGS result of "indeterminate" will create a reflex to MSI by PCR as long as the tumor percentage is ≥40% and paired normal tissue is available.

- NGS (38 genes + 2 biomarkers): AKT1, AKT2, AKT3, ARID1A, ATM, BRAF, CDKN2A, CTNNB1, ERBB2, ERBB4, FGFR1, FGFR2, FGFR3, GNAS, HRAS, KIT, KRAS, MAP2K1, MET, Microsatellite Instability (MSI), NF1, NRAS, NTRK1 fusions, NTRK2 fusions, NTRK3 fusions, PDGFRA, PIK3CA, PTEN, PTPN11, RB1, SDHA, SDHB, SDHC, SDHD, SMAD4, SMO, SRC, TERT Promoter, TP53, Tumor Mutation Burden (TMB)
- FISH (2 FISH): MET, PTEN (tech-only available)
- IHC (1 biomarker): PD-L1 LDT (tech-only available)

Clinical Significance

The GIST and Soft Tissue Tumor Profile characterizes primary or metastatic gastrointestinal stromal tumors, sarcomas, and other soft tissue primary or metastatic tumors of any histological subtype for the most significant genetic changes relevant to therapy decisions, prognosis, and clinical research. It is appropriate for patients with newly-diagnosed or recurrent disease, patients with an atypical clinical presentation, and patients with resistant disease to explore options in clinical trials.

Specimen Requirements

- **FFPE tissue:** Paraffin block preferred. Please use 10% buffered formalin fixative. Do not use zinc fixatives.

Storage & Transportation

Use cold pack for transport, making sure cold pack is not in direct contact with specimen.

CPT Code(s)*

81479x1, 88377x2, 88360x1

New York Approved

Yes

Level of Service

Global

Turnaround Time

14 days

*The CPT codes provided with our test descriptions are based on AMA guidelines and are for informational purposes only. Correct CPT coding is the sole responsibility of the billing party.

Please direct any questions regarding coding to the payor being billed.

NeoGenomics Laboratories is a specialized oncology reference laboratory providing the latest technologies, testing partnership opportunities, and interactive education to the oncology and pathology communities. We offer the complete spectrum of diagnostic services in molecular testing, FISH, cytogenetics, flow cytometry, and immunohistochemistry through our nation-wide network of CAP-accredited, CLIA-certified laboratories.

Committed to research as the means to improve patient care, we provide Pharma Services for pharmaceutical companies, in vitro diagnostic manufacturers, and academic scientist-clinicians. We promote joint publications with our client physicians. NeoGenomics welcomes your inquiries for collaborations. Please contact us for more information.

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