



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



NeoTYPE® Melanoma Profile

Alternative Name

Melanoma Profile

Methodology

Molecular

Test Description

The NeoTYPE Melanoma Tumor Profile analyzes 30 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. If Pan-TRK IHC is expressed or equivocal, reflex to either NTRK NGS Fusion Panel (Default) or NTRK 1-3 FISH Panel will be added. 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 (24 genes + 2 biomarkers): AKT1, BAP1, BRAF, CDK4, CDKN2A, CTNNB1, EGFR, ERBB2, ERBB4, FGFR1, FGFR2, FGFR3, GNA11, GNAQ, HRAS, KIT, KRAS, Microsatellite Instability (MSI), NBN, NF1, NRAS, PDGFRA, SMO, SRC, TERT Promoter, Tumor Mutation Burden (TMB)
- FISH (1 FISH): PTEN (tech-only available)
- IHC (2 biomarkers): PD-L1 IHC, Pan-TRK (tech-only available for PD-L1)

Clinical Significance

The NeoTYPE Melanoma Profile assesses the most commonly-mutated driver mutations in primary or metastatic melanoma to determine prognosis and identify established and clinical trial-based therapeutic options. This NeoTYPE Profile is for histologically-confirmed melanoma and is not appropriate for differentiating melanoma from ambiguous melanocytic lesions. For that indication, please see the separate listing for the MelanoSITE™ Melanoma FISH Panel.

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. All slides can be packed at room temperature.

CPT Code(s)*

81445x1, 88377x1, 88360x1, 88342x1; add 81479x1 if reflexed to NTRK NGS Fusion Panel (default) or 88374x3 automated (88377x3 manual) if reflexed to NTRK 1-3 FISH Panel

Medicare MoIDX CPT Code(s)*

81479

New York Approved

Yes

Level of Service

Global

Turnaround Time

14 days

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.

*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.



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