



# Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





## Non-Ewing Sarcoma NGS Fusion Panel

### Alternative Name

NGS Non-Ewing Sarcoma Fusion Profile

### Methodology

Molecular

### Test Description

The NGS Non-Ewing Sarcoma Fusion Profile is a targeted next-generation sequencing panel that can detect various translocations unrelated to Ewing's sarcoma in the genes ALK, CAMTA1, CCNB3, CIC, EPC1, FOXO1, FUS, GLI1, HMGA2, JAZF1, MEAF6, MKL2, NCOA2, NTRK3, PDGFB, PLAG1, SS18, STAT6, TAF15, TCF12, TFE3, TFG, USP6, and YWHAE.

### Clinical Significance

Many sarcomas, including sarcomas classically regarded as spindle cell sarcomas are associated with translocations not involving the EWS gene. This test is designed to determine the specific genetic abnormalities in cases that either have been determined to be negative for an EWS translocation by FISH studies or cases in which a EWS translocation is not suspected. This fusion profile has been designed to detect the common genetic abnormalities in a large number of sarcomas and other soft tissue or bone tumors, including aneurysmal bone cyst, angiofibroma, angiomatoid fibrous histiocytoma, alveolar rhabdomyosarcoma, alveolar soft-part sarcoma, chondroid lipoma, congenital/infantile fibrosarcoma, dermatofibrosarcoma protuberans/giant cell fibroblastoma, endometrial stromal sarcoma, epithelioid hemangioendothelioma, primitive neuroectodermal tumor, Ewing-like bone sarcoma, extraskeletal myxoid chondrosarcoma, inflammatory myofibroblastic tumor, lipoblastoma, lipoma, low-grade fibromyxoid sarcoma, meningeal hemangiopericytoma, mesenchymal chondrosarcoma, myoepithelial tumor of soft tissue and bone, nodular fasciitis, pericytoma, sclerosing epithelioid fibrosarcoma, solitary fibrous tumor, spindle cell rhabdomyosarcoma, and undifferentiated small round blue cell tumor.

### Specimen Requirements

- **FFPE tissue:** Paraffin block is preferred. Alternatively, send 1 H&E slide plus 5-10 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative. Do not use zinc fixatives.

### Storage & Transportation

Use cold pack for transporting block during summer to prevent block from melting. Slides can be packed at room temperature.

### CPT Code(s)\*

81449

### Medicare MoIDX CPT Code(s)\*

81479

### New York Approved

Yes

### Level of Service

Global

## **Turnaround Time**

21 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.

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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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