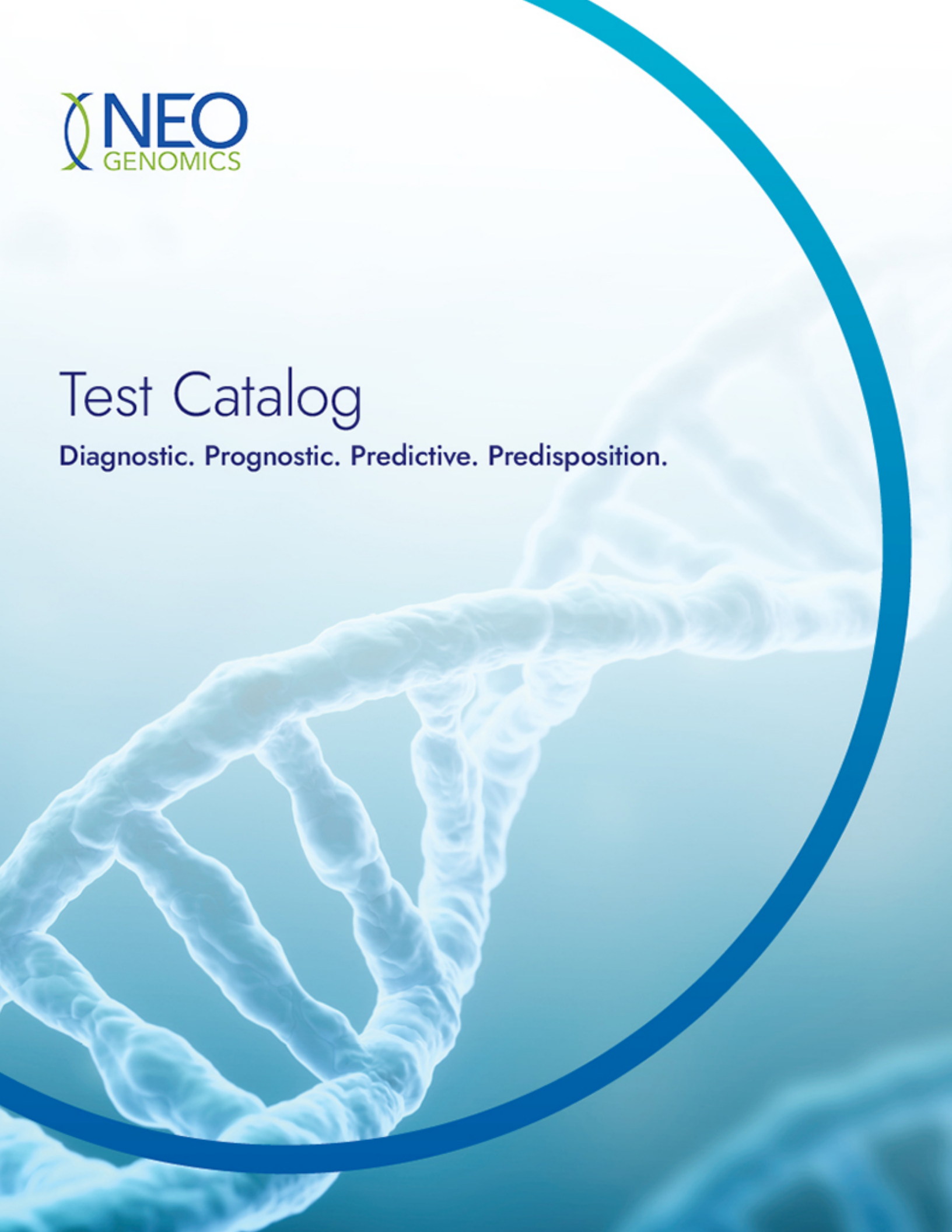
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



Ewing Sarcoma NGS Fusion Panel

Alternative Name
NGS Ewing Sarcoma Fusion Profile

Methodology
Molecular

Test Description
The NGS Ewing Fusion Profile is a targeted next-generation sequencing panel that can detect various translocations relevant in Ewing's sarcoma in the genes EWSR1 and ERG.

Clinical Significance
Many different soft tissue sarcomas are characterized by the presence of a translocation involving the EWS gene. This test is designed to determine the partner gene in cases that have been determined to contain an EWS translocation by FISH studies. It will identify Ewing sarcoma/primitive neuroectodermal tumor (PNET) and six of its translocation variants, including all of the most common ones. It will also distinguish cases of EWS-translocation positive desmoplastic small round-cell tumor, clear cell sarcoma, Ewing-like bone sarcoma, myoepithelial tumor of soft tissue and bone, extraskeletal myxoid chondromsarcoma, myxoid/round cell liposarcoma, pulmonary myxoid sarcoma, and angiomatoid fibrous histiocytoma from Ewing sarcoma/PNET, and most often will allow distinction of these cases from one another. These studies are most useful for specific diagnosis, and identification of specific translocations may also be useful in determining therapy.

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)*
81401

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.

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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Rev. 050324