



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



EWSR1

Alternative Name

Ewing Sarcoma

Methodology

FISH

Test Description

Probes: EWSR1 (22q12)

Disease(s): Ewing sarcoma, primitive neuroectodermal tumor (PNET)

Clinical Significance

This EWSR1 break-apart FISH test is for diagnostic confirmation and classification of tumors diagnosed or suspected to be Ewing sarcoma/primitive neuroectodermal tumor (ES / PNET) based on morphology or immunohistologic studies. EWSR1 translocations are the hallmark and pathognomic molecular findings of Ewing sarcoma (almost all ES) and "Ewing-like sarcoma". EWSR1 rearrangement partners will not be identified by this FISH test. For that purpose, please see the [NGS Sarcoma Fusion Profile](#) which may be ordered separately or as a reflex after positive FISH.

Specimen Requirements

- **Bone marrow aspirate:** N/A
- **Peripheral blood:** N/A
- **Fresh, unfixed tissue:** N/A.
- **Fluids:** N/A
- **Paraffin block:** Send paraffin block. Also send circled H&E slide for tech-only (required)
- **Cut slides:** H&E slide (required) plus 4 unstained slides cut at 4-5 microns. Circle H&E slide for tech-only

Storage & Transportation

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

CPT Code(s)*

88377x1 manual or 88374x1 automated

New York Approved

Yes

Level of Service

Technical, Global

Turnaround Time

3-5 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. 092024