



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





PDGFRA Amplification

Alternative Name

PDGFR Alpha Amplification

Methodology

FISH

Test Description

Probes: PDGFRA (4q12) | Centromere 4

Disease(s): Brain cancer

Clinical Significance

Amplifications of PDGFRA as detected by FISH occur in approximately 30% of pediatric and 20% of adult high-grade astrocytomas. In de novo adult glioblastoma multiforme (GBM), the co-occurrence of PDGFRA amplification with IDH1 mutation is associated with significantly worse overall survival compared to patients negative for amplification. Clinical trials with tyrosine kinase inhibitors targeting activated or over-expressed PDGFRA are in progress.

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

Use cold pack for transport. Make 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

Global, Technical

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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