



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



PTEN

Methodology

FISH

Test Description

Probes: PTEN (10q23) | Centromere 10

Disease(s): Prostate cancer, melanoma, squamous cell carcinoma of the head and neck, cervix (PTEN deletions)

This test may be ordered separately and is included in the majority of [NeoTYPE Solid Tumor Profiles](#).

Clinical Significance

PTEN is one of the most commonly mutated tumor suppressors in human cancer. Large or complete gene deletions have been reported in prostate cancer, melanoma, and squamous cell carcinoma of the head and neck, CNS, cervix, and at lower frequencies, a variety of other tumors. This FISH test detects large deletions.

Specimen Requirements

- **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, 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

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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Rev. 042024