



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



USP6 Rearrangement

Alternative Name

Ubiquitin specific peptidase 6

Methodology

FISH

Test Description

Probe(s): USP6 (17p13.2)

Disease(s): Nodular fasciitis, aneurysmal bone cysts

Clinical Significance

USP6 gene rearrangements (fusions) are commonly found in nodular fasciitis (NF), aneurysmal bone cysts (ABC), myositis ossificans (MO), fibro-osseous pseudotumor of digit (FOTD), and fibroma of tendon sheath. Presence of a USP6 rearrangement can serve as a valuable marker for differentiating these neoplasms, many of which are self-limiting, from other neoplasms and malignancies with similar histological appearance.

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.
- **Reminder about decalcified specimens:** Testing will be attempted but most decalcification solutions are incompatible with FISH. Limited acid decalcification (<24 hours) in 5% formic acid or EDTA decalcification may better preserve DNA for FISH.

Storage & Transportation

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

CPT Code(s)*

88374x1 automated or 88377x1 manual

New York Approved

Yes

Level of Service

Global, Technical

Turnaround Time

5 days 3 for tech-only

References

1. Hiemcke-Jiwa L, van Gorp JM, Fisher C, et al. USP6-associated neoplasms: A rapidly expanding family of lesions. *Int J Surg Path.* 2020;28(8):816-825.

*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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Rev. 120524