



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.





NeoTYPE® AITL/Peripheral T-Cell Lymphoma Profile

Alternative Name

Angioimmunoblastic/Peripheral T-Cell Lymphoma Profile

Methodology

Molecular

Test Description

The NeoTYPE AITL/Peripheral T-Cell Lymphoma Profile is performed by the sequencing of all exons in the genes IDH1, IDH2, DNMT3A, TET2, and RHOA.

Clinical Significance

Angioimmunoblastic T-cell lymphoma (AITL) is a subtype of peripheral T-cell lymphoma (PTCL) and accounts for 20-25% of PTCLs. Peripheral T-cell lymphoma is known as an aggressive group of lymphoid malignancies and represent about 10-15% of non-Hodgkin lymphomas. Frequent mutations have been detected in the genes IDH1/2, DNMT3A, TET2 and RHOA in patients diagnosed with AITL. These mutations may play a role in the pathogenesis of AITL/PTCLs.

Specimen Requirements

- **Bone marrow (Preferred):** 2 mL in EDTA tube.
- **Peripheral blood:** 5 mL in EDTA tube.
- **FFPE tissue:** Paraffin block. Alternatively, send 1 H&E slide plus 10-14 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative is the recommended fixative. Do not use zinc or mercury fixatives (B5). Highly acidic or prolonged decalcification processes will not yield sufficient nucleic acid to accurately perform molecular studies.

Note: Test in TNA-based. Please select Extract & Hold - TNA if specimen hold service is desired.

Storage & Transportation

Use cold pack for transport, making sure cold pack is not in direct contact with specimen. Ship same day as drawn whenever possible; specimens <7 days old preferred.

CPT Code(s)*

81450x1

Medicare MoIDX CPT Code(s)*

81479

New York Approved

No

Level of Service

Global

Turnaround Time

14 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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