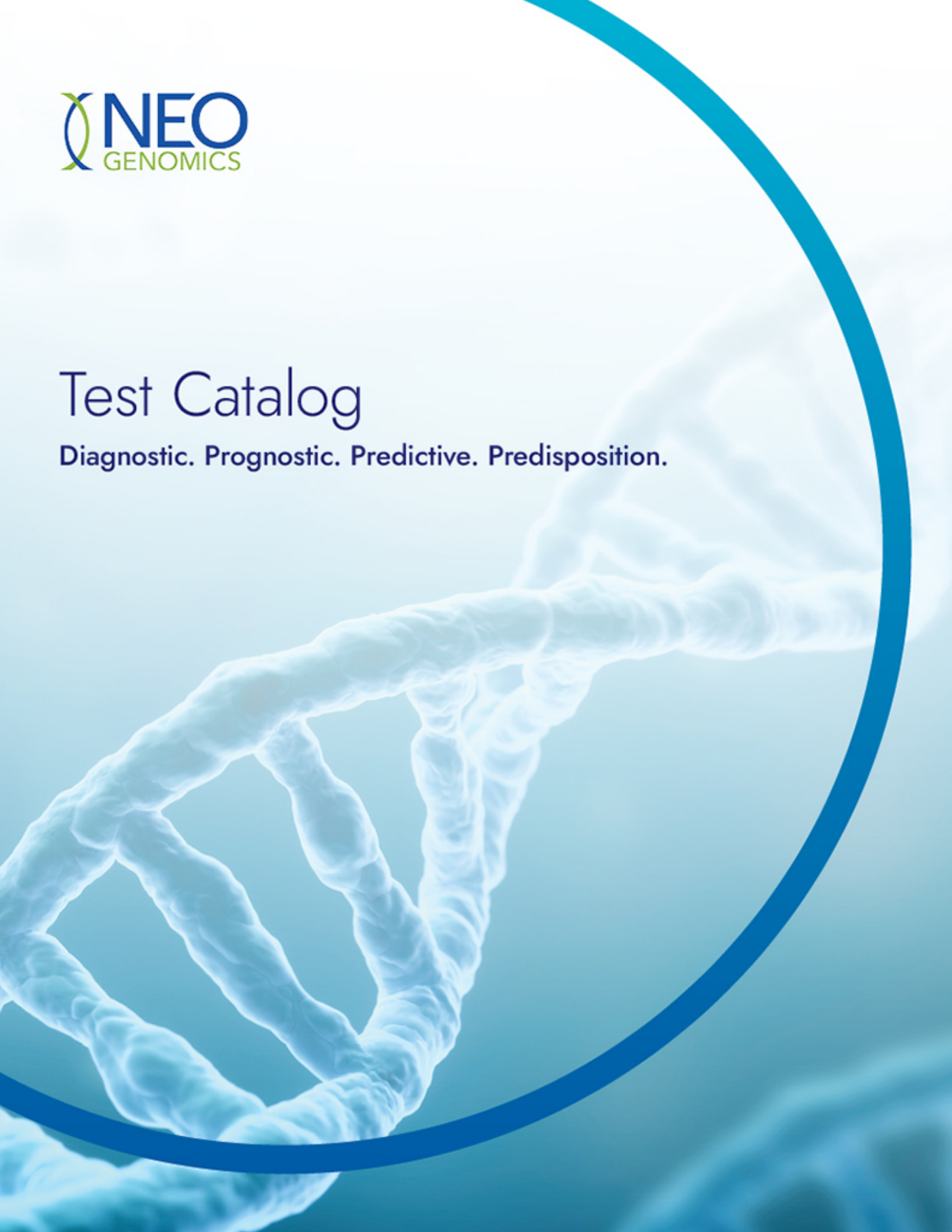
NEO GENOMICS

Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



NeoTYPE® Lymphoid Disorders Profile

Alternative Name
NeoTYPE Lymphoid, Lymphoid Disorders Profile

Methodology
Molecular

Test Description
The NeoTYPE Lymphoid Disorders Profile detects DNA mutations (SNVs and InDels) in 128 genes across multiple lymphoma/leukemia subtypes through next-generation sequencing (NGS): ABL1, ABL2, ALK, ARHGEF1, ARID1A, ARID2, ASXL1, ATM, B2M, BCL2, BCL6, BCOR, BIRC3, BRAF, BTK, CARD11, CCND1, CCND2, CCND3, CD274, CD79A, CD79B, CDKN1B, CDKN2A, CDKN2B, CIITA, CREBBP, CRLF2, CSF1R, CTCF, CTNNB1, CXCR4, DDX3X, DIS3, DNMT3A, EBF1, EGR1, EP300, EPOR, ETV6, EZH2, FAM46C, FAS, FAT1, FBXW7, FGFR3, FOXO1, GATA3, GNA13, GNAI2, HIST1H1E, HRAS, ID3, IDH1, IDH2, IKBKB, IKZF1, IKZF3, IRAK4, ITPKB, JAK1, JAK2, JAK3, KLF2, KMT2D, KRAS, MALT1, MAP2K1, MAP3K14, MAPK1, MED12, MEF2B, MYC, MYCN, MYD88, NF1, NFKBIE, NOTCH1, NOTCH2, NOTCH3, NRAS, NT5C2, P2RY8, PDGFRB, PHF6, PIK3CA, PIK3CD, PIK3R1, PIM1, PLCG1, PLCG2, POT1, PPM1D, PRDM1, PRPS1, PTEN, PTPN11, RB1, REL, RHOA, RIPK1, RPS15, RUNX1, S1PR2, SAMHD1, SETD2, SF3B1, SGK1, SH2B3, SOCS1, SPEN, STAT3, STAT5B, STAT6, TBL1XR1, TCF3, TET2, TLR2, TNFAIP3, TNFRSF14, TP53, TRAF2, TRAF3, UBR5, WT1, XPO1, ZFHX4, and ZMYM3. Test reports include a summary of all results together.

Clinical Significance
The NeoTYPE Lymphoid Disorders Profile is intended as an aid in the diagnosis and subclassification of lymphoid neoplasms as well as to identify potential therapies based on the patient's unique molecular drivers. The profile includes analysis of genes known to be recurrently mutated in chronic lymphocytic leukemia (CLL), small lymphocytic lymphoma (SLL), Richter's syndrome (RS), mantle cell lymphoma (MCL), marginal zone lymphoma (MZL), lymphoplasmacytic lymphoma (LPL), hairy cell leukemia (HCL), follicular lymphoma (FL), diffuse large B-cell lymphoma (DLBCL), Burkitt lymphoma (BL), double-hit lymphoma (DHL), and various T-cell neoplasms.

Specimen Requirements
- **Bone Marrow Aspirate:** 2-3 mL in EDTA tube
- **Peripheral Blood:** 3-5 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 refrigerated cold pack for transport. Make sure cold pack is not in direct contact with specimen.

CPT Code(s)*
81455x1

Medicare MolDX CPT Code(s)*

81450x1

New York Approved

Yes

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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Rev. 112124