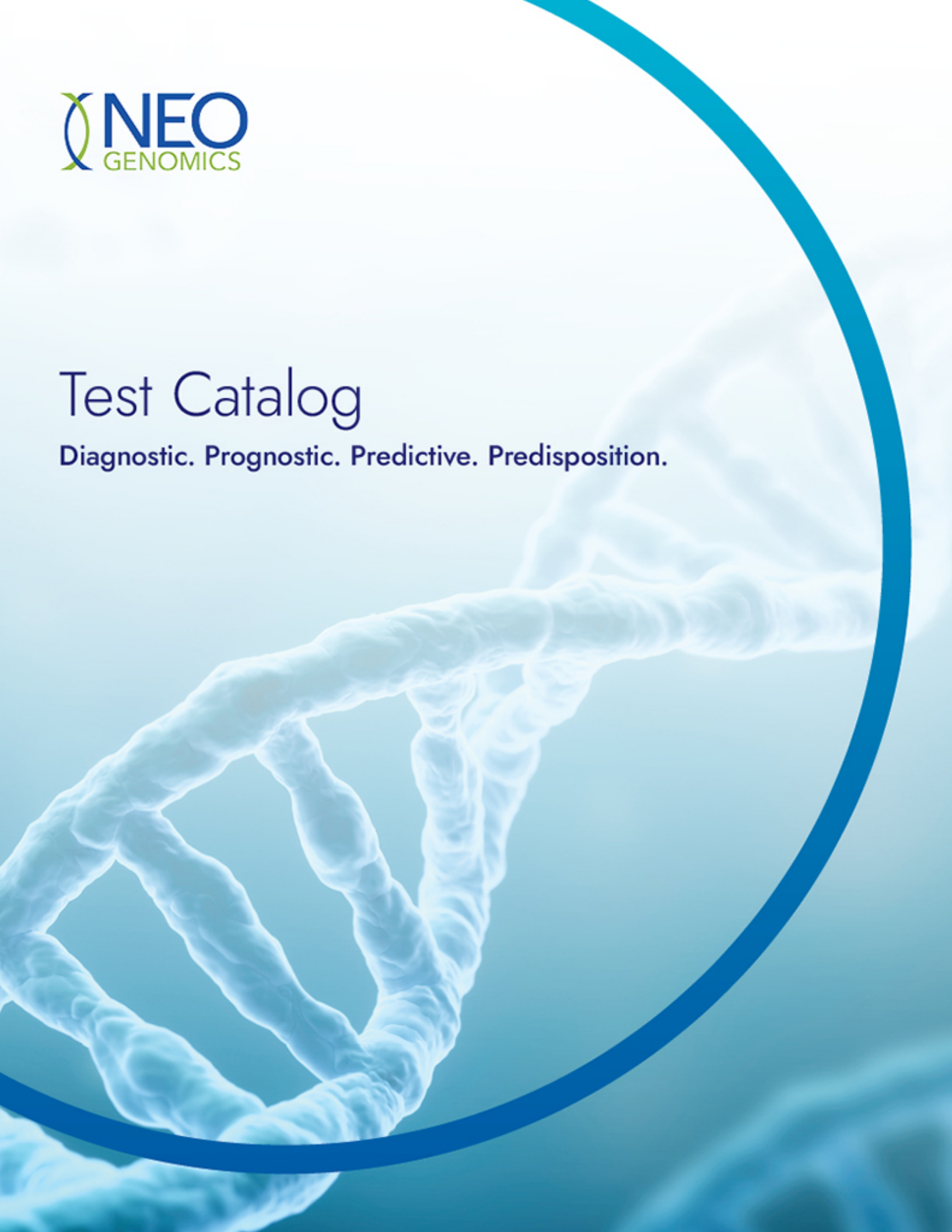
NEO GENOMICS

# Test Catalog

**Diagnostic. Prognostic. Predictive. Predisposition.**



# TP53 Mutation Analysis

## Alternative Name
TP53 Gene Sequencing

## Methodology
Molecular

## Test Description
Bi-directional sequencing of TP53 exons 4-9.

## Clinical Significance
The TP53 gene encodes the tumor suppressor p53. TP53 mutations are detected in at least 50% of all adult tumors and are generally associated with a poor prognosis. For patients with chronic lymphocytic leukemia (CLL), TP53 sequencing, in addition to FISH for 17p deletion, aids in prognosis and/or therapy selection. Germline mutations in TP53 are the cause of Li-Fraumeni Syndrome.

## Specimen Requirements
- **Peripheral blood:** 5 mL in EDTA tube.
- **Bone marrow:** 2 mL in EDTA tube.
- **FFPE solid tumor tissue:** Paraffin block is preferred. Alternatively, send 1 H&E slide plus 5-10 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative. Do not use zinc fixatives.

## 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 <14 days old acceptable.

## CPT Code(s)*
81352 (as of 01/01/2021); Prior to CPT Code was 81405

## New York Approved
No

## Level of Service
Global

## Turnaround Time
7 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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9490 NeoGenomics Way
Fort Myers, FL 33912
Phone: 239.768.0600/ Fax: 239.690.4237
neogenomics.com

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