



Test Catalog

Diagnostic. Prognostic. Predictive. Predisposition.



T-Cell Receptor Gamma Gene Rearrangement

Alternative Name

T-Cell Gamma Gene Rearrangement, TCRG

Methodology

Molecular

Test Description

Detection of clonal T-cell receptor gamma (TCRG) gene rearrangements by PCR of variable and joining regions. T-Cell Receptor Beta Gene Rearrangement is offered separately and may be added to this gamma gene test.

Clinical Significance

Detects monoclonal T-cell receptor gamma gene rearrangement. Interpret in clinical context for diagnosis of T-cell lymphoproliferative disorders.

Specimen Requirements

- **Peripheral blood:** 5 mL in EDTA tube.
- **Bone marrow:** 2 mL in EDTA tube.
- **FFPE tissue:** Paraffin block is preferred. Alternatively, send 1 H&E slide plus 4-5 unstained slides cut at 5 or more microns. Please use positively-charged slides and 10% NBF fixative. Do not use zinc fixatives.
- **Fresh tissue:** Two pieces minimum, 0.2 cm³ in RPMI. Note: not suitable for Freeze & Hold option.
- **Note:** Please exclude biopsy needles, blades, and other foreign objects from transport tubes. These can compromise specimen viability and yield, and create hazards for employees.

Note: Test in DNA-based, suitable for Freeze & Hold option, except for Fresh Tissue samples.

Storage & Transportation

Refrigerate fresh tissue until shipping. For all specimens, use cold pack for transport. Make sure cold pack is not in direct contact with specimen.

CPT Code(s)*

81342

New York Approved

Yes

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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