



Date of Birth: Patient: MRN (if provided): **Date Reported:** Patient Name Jul 28, 1949 MR-12354 Oct 08, 2025

## **NODIFY CDT® TEST RESULT AND INTERPRETATION**

#### **HIGH LEVEL**

Patients with a High Level Nodify CDT test result (78% PPV, 98% specificity, 28% sensitivity)¹ have a higher risk of malignancy than predicted by clinical factors alone. This result does not definitively mean that the patient has lung cancer.

#### POST-NODIFY CDT RISK OF MALIGNANCY

Very Low Low to Moderate High (<5%) (5-65%)(>65%)

68% risk of malignancy

The post-Nodify CDT risk of malignancy was calculated based on the performance of the Nodify CDT test result in the clinical validation study.<sup>1,2</sup> See the Nodify CDT Test Result and Interpretation for additional information about this result.

Risk categories are according to the American College of Chest Physicians (ACCP) guidelines for lung nodules. These guidelines suggest patients with a new, solid, indeterminate nodule that measures >8 mm in diameter receive surgical diagnosis when the clinical probability of malignancy is high (>65%).3

#### PRE-TEST CLINICAL INFORMATION

**Pre-test Risk of Malignancy** per Solitary Pulmonary Nodule Calculator<sup>4</sup> (Mayo Clinic Model)

Nodule Size (mm):

Oct 07, 2025

Oct 08, 2025

**Date Reported:** 

9.0

76

Spiculation:

Smoking History: Never

**Nodule Location:** Upper

History of Cancer: No History of Cancer

#### **PATIENT INFORMATION**

Patient: MRN (if provided): Patient Name MR-12354

Date of Birth: Gender: Jul 28, 1949 Male

Specimen Type: Date of Collection: Whole Blood Oct 06, 2025

**Nodify CDT Accession No:** Date Received:

CDTN2510070004

**Date Performed:** Oct 07, 2025

Age (years):

# **PHYSICIAN INFORMATION**

Physician: Dr. Nod Jules

**Facility:** 

Lung Health Associates

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### NODIFY CDT ANALYSIS DESCRIPTION

The Nodify CDT test is a blood-based lung nodule test designed to help identify low to moderate risk patients with a nodule that is likely malignant. The test utilizes a proprietary multi-analyte immunoassay technology to measure blood levels of a panel of seven autoantibodies to tumor-associated antigens that have been shown to be elevated for all types of lung cancer and from the earliest stage of the disease.<sup>25</sup> The measurements of these seven autoantibodies are incorporated into an algorithm that generates a test result.

The Nodify CDT test is intended for patients at least 40 years of age with a lung nodule between 8 and 30mm, no history of cancer (except basal cell carcinoma) and a pre-test risk of malignancy of 65% or less calculated using the solitary pulmonary nodule malignancy risk calculator. The risk calculator is not validated for patients with a prior lung cancer diagnosis or with a history of extrathoracic cancer diagnosed within 5 years of nodule presentation. Nodify CDT positive predictive value was estimated based on a 20% prevalence of lung cancer. 1, 4, 6, 7, 8, 9

#### REFERENCES:

- 1. Healey G, Macdonald I, Murray A, et al. Tumor-Associated Autoantibodies: Re-Optimization of EarlyCDT-Lung Diagnostic Performance and Its Application to Indeterminate Pulmonary Nodules. Journal of Cancer Therapy. 2017; 8(5): 506-517.
- 2. Chapman C, Healey G, Murray A, et al. EarlyCDT—Lung test: improved clinical utility through additional autoantibody assays. Tumor Biology. 2012;
- 3. Gould M, et al. Evaluation of Individuals with Pulmonary Nodules: When is it Lung Cancer? CHEST. 2013; 143(5): e93S-e120S.
- 4. Swensen SJ, Silverstein MD, Ilstrup DM, et al. The probability of malignancy in solitary pulmonary nodules. Application of small radiologically indeterminate nodules. Archives of Internal Medicine. 1997; 157(8): 849-55.
- 5. Allen J, Healey G, Macdonald I. Lung cancer associated autoantibody responses are detectable years before clinical presentation. PLOS ONE 20(3): e0315220.
- 6. Tanner NT, et al. Management of Pulmonary Nodules by Community Pulmonologists: A Multicenter Observational Study. CHEST. 2015;148(6):1405-1414.
- 7. Tanner NT, Porter A, Gould MK, Li XJ, Vachani A, Silvestri GA. Physician Assessment of Pretest Probability of Malignancy and Adherence With Guidelines for Pulmonary Nodule Evaluation. **CHEST.** 2017;152(2):263–70. 8. Massion PP, et al. Autoantibody Signature Enhances the Positive Predictive Power of Computed Tomography and Nodule-Based Risk Models for Detection of
- Lung Cancer. J Thorac Oncol. 2017;12(3):578-584. 9. Pritchett MA, Sigal B, Bowling MR, Kurman JS, Pitcher T, et al. Assessing a biomarker's ability to reduce invasive procedures in patients with benign lung nodules: Results from the ORACLE study. **PLOS ONE** 2023, 18(7): e0287409.

Nodify CDT was developed and its performance characteristics determined by Biodesix, Inc. It has not been cleared or approved by the US Food and Drug Administration. The FDA does not require this test to go through premarket FDA review. This test is used for clinical purposes, it should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory improvement Amendments (CLIA) as subfided to reform bids companying display between the retire. qualified to perform high complexity clinical laboratory testing.

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