

# About Broad Panel Biomarker Testing

Increasingly, cancer is being approached with precision medicine methods. Biomarker testing plays an important role in ensuring that a patient gets matched to the right treatment at the right time, based on the patient's biomarker status.<sup>1</sup>

## What is biomarker testing?

The best way to know if a cancer has a treatable alteration is to talk to a doctor about getting tested for all treatable biomarkers.<sup>2</sup>



Next-generation sequence (NGS) testing is a method to look at multiple genes in a tumor sample all at the same time to test for genomic biomarkers.<sup>3</sup>

## How are biomarker tests conducted for patients with cancer?

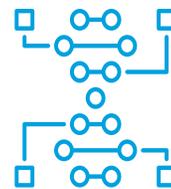
Certain biomarker tests require a doctor to biopsy the tumor,\* which means removing some tissue or blood for testing. Some biopsies are surgical, may require sedation, and come with a risk of infection. A doctor will select the right type of biopsy for the tumor.<sup>4,5</sup>



\*If the tumor has been biopsied previously, some tissue may already be available for testing.

## Why is it important to test for all treatable biomarkers?

It is important for patients to speak with a doctor about testing for all treatable biomarkers. Knowing what is driving a certain type of cancer may help in the selection of a treatment.<sup>2</sup>



## When might biomarker testing be appropriate?

- When the doctors suspect cancer and have recommended a biopsy
- When a patient is already diagnosed with cancer
- When a patient's cancer recurs (comes back) after treatment<sup>1</sup>



## Are other testing options available?

If NGS is not available, other detection testing methods may be used.



**In a time when there are many cancer treatments available, broad biomarker testing may help patients and doctors find the right treatment option.**

1. Lungevity. Biomarker Testing. Available at: <https://lungevity.org/for-patients-caregivers/lung-cancer-101/diagnosing-lung-cancer/biomarker-testing>. Accessed April 6, 2020. 2. Gregg JP, Li T, Yoneda KY. Molecular testing strategies in non-small cell lung cancer: optimizing the diagnostic journey. *Transl Lung Cancer Res.* 2019;8(3):286-301. 3. Lungevity. Webinar: Comprehensive Biomarker Testing in Advanced-Stage Lung Cancers. Available at: <https://lungevity.org/news-blogs/blogs/webinar-comprehensivebiomarker-testing-in-advanced-stage-lung-cancers>. Accessed April 6, 2020. 4. Biopsy: what you need to know. Medical News Today. [https://www.medicalnewstoday.com/articles/174043.php#what\\_is\\_a\\_biopsy](https://www.medicalnewstoday.com/articles/174043.php#what_is_a_biopsy). Accessed February 6, 2020. 5. Cheung AHK, Chow C, To KF. Latest development of liquid biopsy. *J Thorac Dis.* 2018;10:S1645-S1651.