

Key information in your biomarker test results report



Lab companies report biomarker test results in different formats and may include different information in their reports.

This fact sheet shows examples of key sections of a biomarker test results report. These are examples - your biomarker test results report may look different or include different information. If you have questions about your report, talk with your doctor.

Do I have any biomarkers?

Your report tells you which biomarkers you were tested for and the results. Here's an example of a results summary table and what it shows:

Biomarker

List of the main biomarkers your cancer was tested for

Result

Whether or not you have the biomarker

Visit LUNgevity.org to learn more about the names of biomarkers and biopsies done for biomarker testing.

BIOMARKER	RESULT
ALK	Fusion Detected
	Positive 3+, 100%
	Pathogenic Variant Exon 25 p.G1269A
PD-L1	Positive , High Expression, TPS:50%
BRAF	Not Detected
EGFR	Negative
ROS1	Not Detected

Words that mean **you have** a biomarker

Words that mean you **do not have** the biomarker

If your test results report found that your cancer does not have any biomarker, talk with your doctor about your next step. They may suggest more biomarker testing.

What treatments are available based on my results?

If you have a biomarker with a specific treatment, your report will show the available treatments. This may be a separate section or within the biomarker results summary.

Here's an example of a treatment table. It shows examples of treatments available for biomarkers found in testing. It is not intended to show the most up-to-date treatment options.

Therapy association

Names of treatments that are available for cancer with the biomarker

Level of evidence

How well the treatment will work for cancer with a certain biomarker. May also be called "biomarker level" or "evidence of benefit".

BIOMARKER	THERAPY ASSOCIATION	LEVEL OF EVIDENCE
ALK	Therapy A	Level 1
PD-L1	Therapy B	Level 1
	Therapy C	Level 2
	Therapy D	Level 3A

Level 1 & level 2

Treatment that has the most evidence that it works well for a certain biomarker based on past research. May also be called "benefit", "relevant", or "evidence-based".

Most doctors prefer level 1 treatments because research shows they may work best.

Level 3A

Treatment has less evidence for how well it works for a certain biomarker. May also be called "reduced benefit".

If your report shows more than one biomarker with an available treatment, talk with your doctor to decide on the best treatment plan.

Talk with your doctor about clinical trials

Your report may include a section about clinical trials that are testing treatments for certain biomarkers. You may want to consider a clinical trial if:

- There are no available, approved treatments for biomarkers you have
- There are approved treatments, but you could get a treatment that may work better in a clinical trial

Visit LUNgevity.org to learn more about biomarker testing and how to read your report.

Go to LUNgevity.org/educational-materials to find other materials in this series.

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