

A biomarker test analyzes tissue or blood samples for the presence of specific differences that can provide insights into diseases like cancer. Medical treatment can be guided by biomarker testing, often called precision medicine. By identifying these biomarkers, cancer patients may be able to receive treatments they might receive. We've written 6 tip sheets to help you understand how biomarkers relate to your treatment.

REFERENCES

The references below were instrumental in developing the tip sheets in this series:

- <https://www.cancer.gov/publications/dictionaries/cancer-terms>
- <https://www.nursingcenter.com/ncblog/november-2019/biomarker>
- https://www.nccn.org/patients/resources/life_with_cancer/treatment/biomarker_testing.aspx
- <https://www.mycancer.com/resources/what-are-biomarkers/>
- <https://www.cancer.gov/publications/dictionaries/cancer-terms>
- <https://blog.dana-farber.org/insight/2018/10/what-is-a-biomarker/>
- http://www.personalizedmedicinecoalition.org/Education/Predisposition_Biomarkers
- https://www.fightcancer.org/sites/default/files/docs/biomarker_testing_and_clinical_trials_jan_2022.pdf
- NCI Dictionary of Terms. <https://www.cancer.gov/about-cancer/treatment/types/biomarker-testing-cancer-treatment>. Accessed August 16, 2021.
- Massard C, Michiels S, Ferte C, et al. High-Throughput Genomics and Clinical Outcome in Hard-to-Treat Advanced Cancers: Results of the MOSCATO 01 Trial. *Cancer Discovery*. 2017;7(6):586-595.
- Global Oncology Trends 2021. IQVIA Institute; June 2021.
- Devarakonda S, Govindan R. Biomarker-Driven Staging—Are We There Yet? *JAMA Network Open*. 2019;2(12):e1917052-e1917052.
- https://www.personalizedmedicinecoalition.org/Userfiles/PMCCorporate/file/The_Evolution_of_Biomarker_Use_in_Clinical_Trials_for_Cancer_Treatments.pdf
- Massard C, Michiels S, Ferte C, et al. High-Throughput Genomics and Clinical Outcome in Hard-to-Treat Advanced Cancers: Results of the MOSCATO 01 Trial. *Cancer Discovery*. 2017;7(6):586-595.
- Schwaederle M, Zhao M, Lee JJ, et al. Association of Biomarker-Based Treatment Strategies With Response Rates and Progression-Free Survival in Refractory Malignant Neoplasms: A Meta-analysis. *JAMA Oncology*. 2016;2(11):1452-1459.
- Pishvaian MJ, Blais EM, Brody JR, et al. Overall survival in patients with pancreatic cancer receiving matched therapies following molecular profiling: a retrospective analysis of the Know Your Tumor registry trial
- https://www.personalizedmedicinecoalition.org/Userfiles/PMC-Corporate/file/The_Evolution_of_Biomarker_Use_in_Clinical_Trials_for_Cancer_Treatments.pdf

TIP SHEETS IN THIS SERIES:

- Clinical Trials and Biomarker Testing
- What is the Potential Financial Impact of Biomarker Testing on my Budget?
- Health Insurance and Coverage of Biomarker Testing
- Questions to Ask Your Doctor About Biomarker Testing
- Treatment Options
- Types of Biomarker Testing

HELPFUL RESOURCES:

- www.mycancergenome.org/content/page/overview-of-targeted-therapies-for-cancer/
- www.cancer.gov/about-cancer/diagnosis-staging/diagnosis/tumor-markers-fact-sheet
- www.fightcancer.org/biomarkers



Patient Advocate Foundation can help you address financial or insurance barriers you face with gaining access. Click this link to view our full-length guide entitled **Getting the Right Test at the Right Time: A Cancer Patient's Guide to Biomarkers**.

Curious about other topics? Our Education Resource Library houses our resources and provides straightforward information in a variety of formats to help you make informed decisions throughout your healthcare journey. Learn about health insurance, disability, medical bill management, and more by visiting our Education Resource Library today. Call us anytime at 800-532-5274 or visit www.patientadvocate.org for help!