To schedule a test, visit www.BardDiagnostics.com or call 212.355.7017

CANCER PREDISPOSITION, HEREDITY & GENE TESTING

When a specific cancer type is prevalent in one side of the family, the cancer is recognized as a FAMILIAL cancer. Many of them are caused by genetic mutation in a gene related to cancer susceptibility. It is reported that up to 10% of all cancer cases may be caused by inherited genetic mutation or changes called CANCER PREDISPOSITION genes. Individuals who carry a mutant allele of these genes have an increased susceptibility to cancer. It is now widely identified that an accumulation of genetic or epigenetic alterations affect the conversion of normal cells to cancer cells.

This comprehensive program is designed to provide insight into genetic predispositions for adverse responses to occupational exposures, common cancers, chronic diseases, and other health issues. This genetic blueprint provides the foundation of a personalized approach to minimizing exposure risks and optimizing health.

Additional assessments with epigenetics and functional labs can provide real-time data into how this genetic blueprint is interacting with past and current lifestyle choices and occupational exposures to impact biological function and enable fine-tuning of personalized strategies.

GENE TESTING FOR CANCER RISK

Today's advancements in genetic tests can determine the possibility of an elevated risk of cancer. For those who come from a family with a history of cancer, such as breast or ovarian cancer, it can make screening and treatment decisions easier and more precise.

Not everyone needs to get genetic testing for cancer risk. Your doctor or health care provider can help you decide if you should get tested for genetic changes that increase cancer risk. They will likely ask if you have certain patterns in your personal or family medical history, such as cancer at an unusually young age or several relatives with the same kind of cancer.

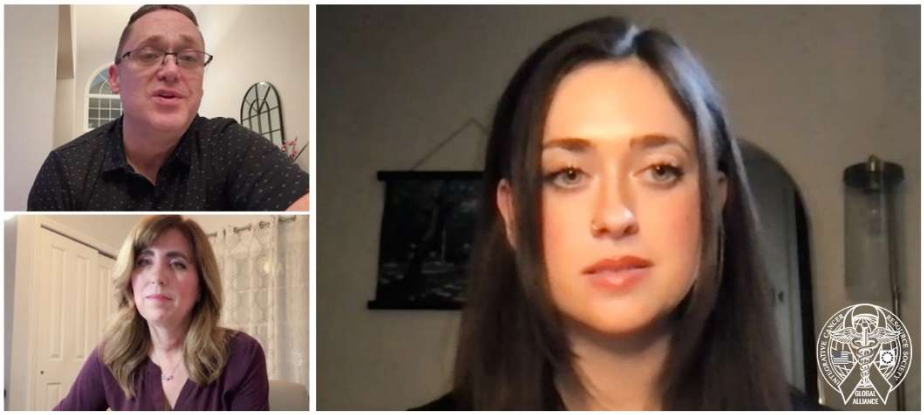
GENETIC TESTING provides interpretation of inherited mutations for common cancers (including breast, prostate, pancreatic, ovarian, colorectal, stomach, and melanoma) and cardiovascular disease. **NUTRITIONAL GENOMICS TESTING** and interpretation of SNPs report on

additional gene changes influencing underlying health, including the processing of environmental toxins, nutrition, sleep, heart disease, brain health, mood, diabetes, inflammation, oxidative stress, mitochondrial health, hormones, cancers, exercise and injury, bone density.

Ask us about other testing programs including: PHARMACOGENOMICS, METABOLOMICS, MICROBIOMICS and EPIGENETICS.

"BOTH MY PARENTS HAD CANCER... I NEED TO TEST!

Samantha Hunt, 24 is a young cancer awareness advocate due mostly to the upbringing of two cancer survivors who are outspoken about environmental cancers and proactive testing ("Get Checked NOW!" program). She is in a graduate program for social work and grew up in a household in support of prevention and early detection.



In a recent podcast interview with "Get Checked NOW!", Samantha Hunt (R) shares her personal concerns for hereditary genetic mutation and her advocacy for early detection screening & gene testing. She is inspired by proactive parents Jim & Jennifer (L) who are both cancer survivors.

Since she was 9 years old, Samantha took on personal studies on breast cancer when she watched her mother (Jennifer) undergo a bilateral mastectomy for early-stage breast cancer. Samantha's father was diagnosed with early-stage prostate cancer, and her maternal aunt also had breast cancer. By her late teens into her college years, she was convinced that she needed to have early screening, which is when she discovered she had dense breast tissue- a condition that is present in over half of women in the U.S.

Though currently testing negative for cancer, Samantha continues to pursue other standardized early detection protocols. Under Dr. Robert Bard, Samantha receives regular ultrasound screening to monitor any changes from her prior exams. "Early on, my gyno didn't express any real sense of urgency about me getting an ultrasound test but gave me the referral just to make me happy...", Samantha said. "Even today (and sometimes even in the past with other breast exams), I often feel like they do it so quickly and carelessly, and I feel stressed out after... I'm not convinced that I'm getting a proper examination!"

By 2023, Samantha has received a total of 4 biopsies due to the "abnormally dense" breast tissue- a concern that scientists are now linking to breast cancer. This has not led to a conclusive diagnosis of breast cancer, but she remains vigilant about testing.

From a gene test report on March, 2024 with BardDiagnostics, Samantha's reports have concluded no direct trace of cancer predisposition. With extensive clinical guidance through this process, she feels some relief but she recognizes the need for the phase 2 testing of nutritional genomics. Samantha continues to maintain a proactive life, staying on top of physical checkups and an all-natural lifestyle.

From an ongoing demand by many families of cancer patients, testing for hereditary cancers has been a constant request. **The BardDiagnostics Gene Predisposition Test** was officially launched in January 2025 under the clinical direction of Dr. Roberta Kline (functional genomics specialist). For info or to register for this test, **call: 212.355.7017**