everything genetic

Genetic testing to help guide breast cancer treatment

12 Gene Breast Cancer Panel

Who is this test for?

If you are a patient who has already been diagnosed with breast cancer, the Everything Genetic 12 Gene Breast Cancer Panel test quickly assesses your risk of developing the cancer in the other breast or ovaries. It is designed for patients awaiting time-sensitive surgery or treatment decisions, and those being considered for PARP inhibitor drug therapies.

Even if you have undergone chemotherapy treatment or surgery to remove a tumour, and scans have shown that the cancer cells have been eradicated, genetic variant carriers can still have a significantly increased risk of developing breast or ovarian cancer as a second primary.

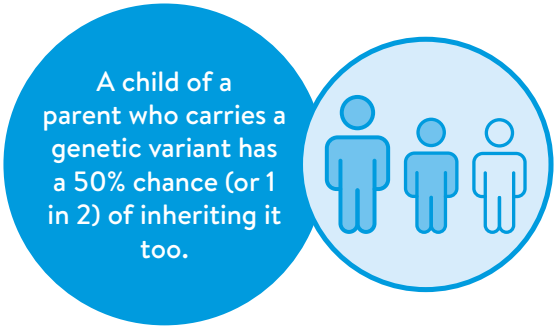
By analysing 12 well-established genes associated with a significantly increased risk of breast and ovarian cancer, including the BRCA1 and BRCA2 genes, this test provides clinically actionable results to help you and your clinician to create a personalised screening, prevention, and treatment plan.

Genes analysed

ATM	CDH1	RAD51C
BARD1	CHEK2	RAD51D
BRCA1	PALB2	STK11
BRCA2	PTEN	TP53

Testing your family

Some people have an increased risk of a particular type of cancer because they have inherited a genetic variant. They can be passed on from parent to child.



This test is specifically designed for detecting hereditary genetic variant, making it suitable for testing your immediate relatives. It will show if they are carrying a genetic variant that may increase their risk of developing breast and ovarian cancer, enabling them to make proactive healthcare decisions to prevent or treat the disease.

Pre and post-test clinical support

The test includes pre and post-test clinical support, helping you to understand:

- What the test is for
- Why you should take the test
- What it does and doesn't test for
- What the possible results are from taking the test
- And, once the results report is available, what the results mean and next steps.

This will be provided by your clinician or Everything Genetic's medical team. Pre and post-test clinical support is provided by informational videos with the exception of private consultations for patients with a variant detected results.

Possible test results

There are three possible results reported from this genetic test: variant detected, negative and variant of uncertain significance. The meaning of each result is summarised below:

Variant detected result:

- A genetic variant has been found in one or more of the genes analysed.
- You are therefore at a higher risk of developing the cancer(s) that the gene increases.
- This may mean eligibility for MRI screening of the breast (BRCA1, BRCA2, PALB2, STK11, CDH1, PTEN) or risk-reducing surgery.
- It provides a definitive test that relatives can be tested for on the NHS.

Negative result:

- No genetic variants have been found in the genes analysed.
- Not all cancers can be attributed to genetic variants, the environment, lifestyle, and age can also have an effect.
- Overall, in most instances your risk of further cancer are reduced in the breast and ovaries with ovarian risk usually returning to population levels.

Variant of uncertain significance (VUS) result:

- Also known as a VUS, the test has identified a change in the sequence of one of your genes, but it is not yet known if that indicates a clinically significant breast cancer risk.
- Most VUS results are eventually reclassified as harmless.
- It is, however, unusual to receive a VUS result on any of these genes.

No medical guidance is provided with the test. This will be provided by your clinician.

About us

Everything Genetic is a leading provider and innovator of genetic testing services to help people make informed healthcare decisions for cancer prevention and improved patient outcomes.

Clinical-grade genetic testing

Everything Genetic's partner laboratory, Berkshire and Surrey Pathology Services, is accredited by UKAS to the ISO 15189:2012 standard. The panel is currently part of an Extension to Scope application to UKAS under ISO 15189:2012 standards.

How to order a test

Talk to your clinician about how to order this test.

You can also order this test yourself by scanning the QR code below or by visiting the Everything Genetic website www.everythinggeneticltd.co.uk

Scan me to order your test kit today

This test can be paid for privately or reimbursed by some private medical insurers. Please enquire at time of purchase.

Contact us

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