

# Understand Your Risk for Breast and Ovarian Cancer

Cancer refers to the uncontrolled division and growth of cells in the human body. The growth, or tumour, is caused by mutations in a person's DNA. These mutations can also be passed down from parent to child, or may be prevalent among siblings.

Breast cancer and ovarian cancer are hereditary. Therefore, genetic screening is recommended for people with a family history of:

- **Breast cancer diagnosed before age 50 years**
- **Ovarian cancer**
- **BRCA1 or BRCA2 gene mutations**
- **Triple negative breast cancer diagnosed (a breast cancer that is estrogen receptor-negative, progesterone receptor-negative and HER2-negative)**

From the Dtect BRCA+ results, your doctor could recommend regular health monitoring if you received a positive screening result.

## Benefits of Dtect BRCA+

- **Validated Technology**  
Dtect BRCA+ is run on one of the **most accurate gene profiling platforms** available. It screens for disease risks by analysing genetic variants across relevant genetic markers.
- **Comprehensive Results**  
The results are reported in a precise and concise format, allowing you to easily interpret the analysis. The Dtect BRCA+ report highlights the risk factors, and helps doctors to prescribe more suitable and effective monitoring and treatment options.
- **Affordable Pricing**  
Dtect BRCA+ provides you with quality genetic explanation at an affordable price.

## Limitations

Genetic screening can indicate whether an individual has a predisposition, or is at an increased likelihood, of having an inherited condition or disorder. However, it cannot indicate if the individual will show symptoms, how severe the symptoms will be, or whether the condition or disorder will progress over time. A negative test result does not mean that an individual will not get the inherited condition or disorder because Dtect tests are designed to screen for only highly significant genetic markers which have been documented during medical research. Environmental and lifestyle factors also play a role in the development of inherited conditions and disorders.

## Other Products

- Dtect BRCA+:** Screens for risk of breast and ovarian cancers.
- Dtect Cardio & Metabolic:** Evaluates markers associated with cardiovascular and metabolic diseases.
- Dtect Carrier:** Screens your carrier status for rare genetic disorders.
- Dtect Child:** Detects inherited genetic illnesses/developmental disorders in children.
- Dtect Colon+:** Screens for risk of colorectal cancer, using ACMG guidelines.
- Dtect Derma:** Screens for traits or conditions that affect the skin.
- Dtect Fertility:** Screens for genetic causes of infertility.
- Dtect Immune Health:** Screens for risk of COVID-19 susceptibility and severity.
- Dtect Neuro:** Screens for risks of various types of neurological conditions.
- Dtect NPC+:** Screens for risk of nasopharyngeal and head and neck cancers.
- Dtect Onco:** Screens for risk of familial cancers.
- Dtect PGx:** Screens for risk of adverse drug reactions and drug responses.
- Dtect Prostate+:** Screens for risk of prostate cancer, using ACMG guidelines.
- Dtect Wellness:** Screens for traits or conditions that affect health and wellness.



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Partner with:



DNA



## Genetic Screening for Breast and Ovarian Cancers

Your First Step Towards  
Total Health and Vitality



# Manage Your Health With Dtect BRCA+

Dtect BRCA+ is a genetic screening test. This test screens your DNA for markers that are linked to inherited risk factors for breast and ovarian cancers<sup>1</sup>. The markers serve as 'red flags' in your DNA and can indicate if you are predisposed to breast and ovarian cancers.



## DID YOU KNOW?

Breast cancer is the most common cause of cancer mortality in women in Malaysia<sup>2</sup>. Approximately 1 in 20 women in the country will be diagnosed with breast cancer in their lifetime<sup>3</sup>. Ovarian cancer, the fourth most common cancer to affect Malaysian women<sup>4</sup>, is less common but equally lethal.



Fortunately, when breast or ovarian cancer is detected early, chances of successful treatment are greatly improved. Recovery and survival rates for stages I and II cases may be as high as 90%<sup>5</sup>.

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or speak to your consultant  
for more information.

# Dtect BRCA+ Panel

BRCA1- and BRCA2-associated hereditary breast and ovarian cancer syndrome (HBOC) is characterised by an increased risk for breast cancer and ovarian cancer (which includes fallopian tube and primary peritoneal cancers) in individuals with BRCA2 pathogenic variants. Estimates of malignancy risk vary considerably depending on the context in which they were derived. The following is a summary of the risk for malignancy in an individual with a germline BRCA1 or BRCA2 pathogenic variant.

Risk of malignancy<sup>1</sup> in individuals with a germline BRCA1 or BRCA2 pathogenic variant.

Cancer Type	General Population Risk	Risk with BRCA1	Risk with BRCA2
Breast	12%	46% - 87%	38% - 84%
Ovarian	1% - 2%	39% - 63%	16.5% - 27%
Second primary breast	2% within 5 years	21.1% within 10 years 83% by age 70	10.8% within 10 years 62% by age 70

Your Dtect BRCA+ test results can assist and support your doctor's medical diagnosis, and help with the management of genetic diseases across the family. Markers for disease risks are likely to be shared by first-degree relatives (siblings, children, parents). Your doctor could advise clinically asymptomatic relatives of patients to undergo screening. More importantly, your doctor could advise you on treatment decisions for breast and ovarian cancers sooner, or you can be better prepared to make lifestyle and dietary changes to mitigate your health risks for breast and ovarian cancer when possible.

## <sup>1</sup>References

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