# Hereditary Cancer Syndrome Test

This test diagnoses the likelihood of developing hereditary cancer caused by congenital genetic abnormalities. Hereditary cancers included in the test : breast cancer, colon cancer, gastric cancer, thyroid cancer, prostate cancer, uterine cancer, etc.
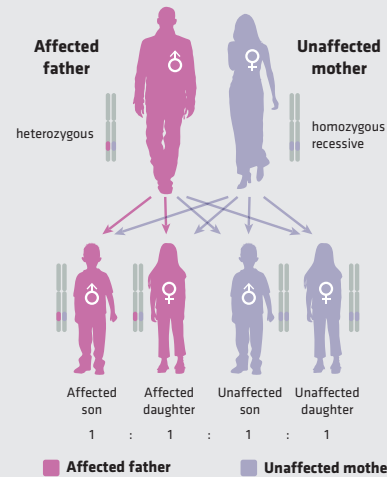
What is Hereditary Cancer Syndrome?

Percent Distribution on Cause of Cancer

- Hereditary 5~10%
- Familial 20~30%
- Sporadic 60~70%
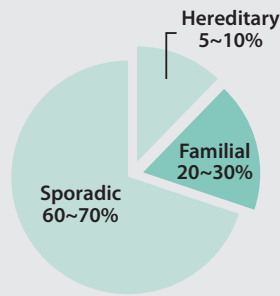
The etiology of cancer is multifactorial; genetic, environmental, medical, and lifestyle factors are involved. About 5-10% of cancers are inherited. Cancer-causing genetic mutation was present from the birth. The mutation predisposes the individuals to the development of cancers. Genetic testing with blood can help to detect gene mutations that cause hereditary form of cancer. Genetic testing for hereditary cancer syndrome helps clinical decision-making and cancer-surveillance, offers an option for reducing the risk of procedure.

Autosomal Dominant Chart

Affected father — heterozygous
Unaffected mother — homozygous recessive

Affected son 1 : Affected daughter 1 : Unaffected son 1 : Unaffected daughter 1

■ Affected father   ■ Unaffected mother

Hereditary cancer occurs due to congenital gene abnormalities inherited from parents.
The possibility for children and family members to have the same gene abnormality is 50%, because most of hereditary cancer is autosomal dominant. If a mutation is found, it is necessary to execute a genetic test for children and the immediate family.

Who should take the Genetic Test for Hereditary Cancer Risk Assessment?

- Multiple, closely related family members who have been diagnosed with hereditary cancer
- The hereditary cancer in more than one generation of the individual's family
- A patient who is interested in genetic testing for preventative reasons

Why Green Cross Genome Genetic Tests for Hereditary Cancer Syndromes?

01 Various Hereditary Cancer

Composition of panel with highly penetrant genes associated with hereditary cancer syndromes

02 Highly accurate

Highly accurate analysis pipeline

03 Expert clinicians

Comprehensive interpretation of results by medical doctors with plentiful experience of genetic diagnosis

04 Affordable cost

Reasonable price for test

05 Confidence & Quality

Guarantee for high quality test participating the proficiency test of College of American Pathology