



**MEDICOVER**  
GENETICS

# HEREDITARY CANCER PANELS

Predict&Prevent

Patient Information



## WHAT IS HEREDITARY CANCER PREDICT&PREVENT

### PREDICT

90-95% of most cancers occur sporadically without an inherited genetic cause, while 5-10% are associated with a genetic cause, for which we offer **14 separate gene panels** covering >30 cancer types spanning across >10 organs, and **one large targeted comprehensive panel** that includes 54 genes associated with many cancer types. The outcome of the test can be a risk estimation of developing cancer from a genetic cause.

### PREVENT

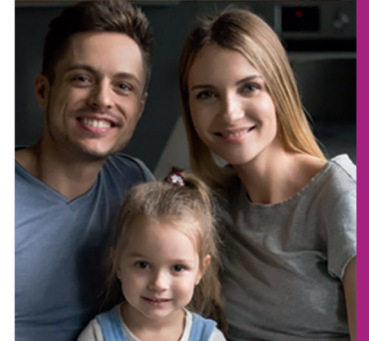
Estimating the risk of developing hereditary cancer allows you to be proactive about your health by taking preventative measures and undergoing routine monitoring.

## YOU COULD CONSIDER THIS TEST IF:

- You have relatives diagnosed with cancer at a young age (<50)
- You have a strong family history of cancer (three or more close relatives diagnosed with cancer)
- You have been diagnosed with cancer and would like to know if there is a genetic cause

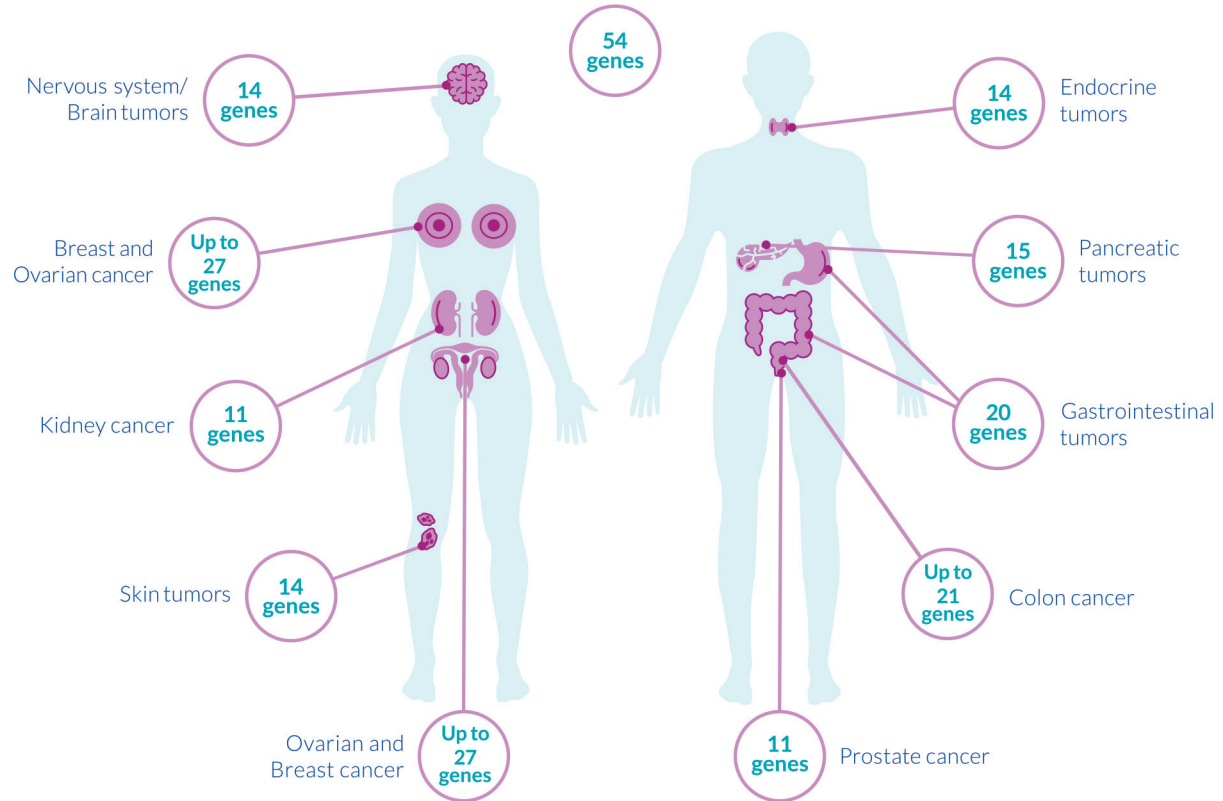
## IMPORTANCE OF GETTING TESTED

If you or a family member has an estimated high cancer risk, certain actions can be taken to reduce the likelihood of developing the cancer. Additionally, family members can be informed and encouraged to get tested. Our genetic counsellors can provide medical advice.



## OUR PANELS

Comprehensive Hereditary Cancer Panel



Cross-organ panels

22 genes

Fanconi  
anemia

7 genes

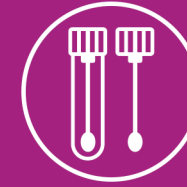
Unspecific tumor  
syndromes

## HOW TO GET THIS TEST ORDERED



### STEP 1

Visit a physician or one of our medical geneticists to choose the right test for you



### STEP 2

A sample is collected at your nearest blood drawing point (accepted samples: EDTA blood, buccal swab)



### STEP 3

Sequencing is performed in our accredited laboratory in Germany



### STEP 4

A medical report is delivered



### STEP 5

Genetic counselling by our local Medical Counsellors is available upon request

Step 3-4 takes 15-25 working days

The genes included in our panels have been selected for highly correlating with the specific cancers. Therefore, many genes are clinically actionable and can guide preventative measures.

## WHAT ARE THE POSSIBLE OUTCOMES OF THE TEST

A diagnostic report outlining the results of the sequencing analysis is provided. Changes in DNA sequences (variants) can be detrimental and lead to cancer development.

We will report **pathogenic** and **likely pathogenic** variants, which are variant types that can increase the likelihood of developing cancer from a genetic cause.

Please note that if pathogenic variants are not identified, this does not preclude the possibility of developing cancer from unknown genetic factors or sporadic causes.

## MEDICAL GENETIC COUNSELLING

We can provide expert medical interpretation of the results for the specialist physician and the patient, where needed. This includes advice on preventative measures and monitoring where applicable.

## WHY US?

- A network of laboratories and medical institutions makes us **a leader in genetic testing** in Germany with foundations dating back to 1998
- A clinical team comprised of scientists, physicians and medical geneticists, several with **>20 years of experience** in genetic testing, assuring meaningful and comprehensive genetic tests
- Expertise in gene variant analysis ensuring **“no variant left behind”**
- Cutting-edge technology in sequencing and laboratory methods allows for **short turnaround times**
- **Quality** assessed by several certifying bodies, including EFI, DIN EN ISO 9001, DIN EN ISO 15189 accreditation as a medical laboratory, DIN EN ISO/IEC 17025 accreditation as a testing laboratory and a generally valid GMP (Good Medical Practice) certificate
- **Data privacy** is your right and our priority



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