

my CancerRisk

genetic test that establishes the
risk of hereditary cancer

myCancerRisk

Pancancer panels detect up to 50% more patients at risk compared to panels targeting a single type of cancer.⁽¹⁾

The detection of variants in genes related to cancer development is key to implement preventive measures.

What is myCancerRisk?

myCancerRisk is a genetic test that provides information on the risk of developing different types of hereditary cancer.

What does the test include?

myCancerRisk utilizes Whole Exome Sequencing to analyze 40 genes related to hereditary cancer. The test detects single nucleotide variants, small insertions/deletions and copy number variants (large deletions/duplications) in specific genes, related to the most frequent hereditary cancers.

Why prescribe myCancerRisk?

Extended genetic panels can detect close to 50% more patients with cancer risk. This allows establishing preventive and/or monitoring measures to reduce the risk or allow early diagnosis.

Who is it intended for?

myCancerRisk is specially indicated for:

- » Patients with cancer diagnosis.
- » Individuals who have first grade family members with cancer before the age of 50.
- » Individuals with a family history of cancer, suggesting a hereditary component.
- » Individuals who want to know their hereditary cancer risk.

Counseling service for the specialist

If needed, Veritas provides expert genetic counseling to the physician for patient results interpretation.

Which sample type is needed?

Saliva or blood sample in a specific kit provided by Veritas.

myCancerRisk advantages

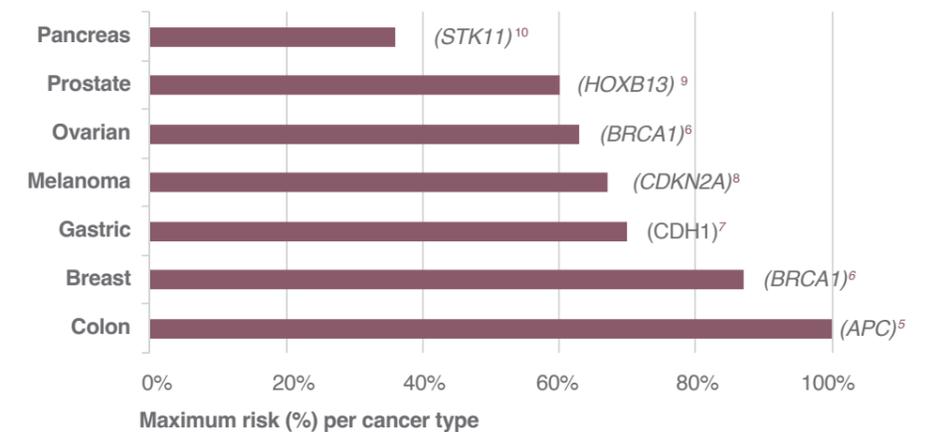
myCancerRisk can detect a higher number of at risk hereditary cancer patients. The test has a higher sensitivity and a negative predictive value in comparison with other more targeted panels.

- » About 50% of individuals with *BRCA1* or *BRCA2* mutations, do not have breast or ovarian cancer family history.²
- » At least 25% of patients with a mutation in mismatch repair genes (*MLH1*, *MSH2*, *MSH6*, *PMS2* and *EPCAM*) do not meet clinical criteria for Lynch syndrome genetic testing.³
- » Only about 25% of breast and ovarian hereditary cancer cases are due to mutations in *BRCA1* and *BRCA2* genes⁴, **myCancerRisk includes genes with scientific evidence related to breast and ovarian hereditary cancer.**

Possible outcomes

Pathogenic variants, likely pathogenic variants and Variants of Uncertain Significance (VUS), classified according to the *American College of Medical Genetics and Genomics* (ACMG) (PMID: 25741868) are included in the report.

Lifetime cancer risk in individuals with mutations in specific genes



Genes and cancer types included in myCancerRisk

Cancer Type	APC*	ATM*	AXIN2	BAP1	BARD1	BMPR1A	BRCA1*	BRCA2*	BRIP1	CDH1	CDK4	CDKN2A	CHEK2*	EPCAM*	FLCN	GREM1*	HOXB13	MITF	MLH1*	MLH3	MSH2*	MSH3	MSH6*	MUTYH	NBN	NF1	NTHL1	PALB2*	PMS2*	POLD1	POLE	POT1	PTCH1	PTEN*	RAD51C	RAD51D	SMAD4	STK11*	SUFU	TP53*
Breast		●			●		●	●	●	●			●						●		●			●	●								●	●		●		●		
Gynecological					●		●	●	●					●					●	●	●		●	●									●	●		●		●		
Prostate		●					●	●	●				●	●					●		●		●	●	●														●	
Colorectal	●	●	●	●		●				●			●	●		●			●	●	●	●	●	●	●		●		●	●						●	●		●	
Gastric	●					●				●				●					●		●		●	●	●	●										●	●		●	
Pancreatic	●	●				●	●	●				●		●					●		●		●	●				●	●							●	●		●	
Skin				●				●			●	●		●	●			●	●	●	●	●	●	●	●							●	●				●	●		

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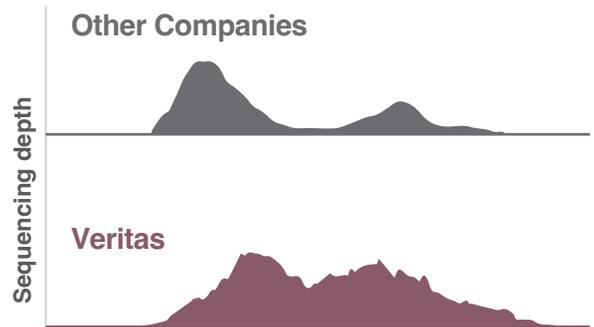
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*Genes with copy number variants analysis.

Whole exome technical information

» Whole exome sequencing (WES) with 100x average coverage, sequencing more than 99% of the genes of interest at $\geq 20x$.

» Veritas whole exome sequencing has an optimized design that improves the coverage for a more homogeneous sequencing of the exome.

» Veritas has a team of expert curators who perform the interpretation based on the most up-to-date scientific knowledge, with a specialized software developed for a detailed variant classification.



Example of the different coverage of a specific region in the exome with Veritas WES versus other companies.

References

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Veritas was founded in 2018 by Dr. Luis Izquierdo, Dr. Vincenzo Cirigliano and Javier de Echevarría, who accumulate extensive experience in the field of genetics, diagnostics and biotechnology. Initially linked to Veritas Genetics, a company founded in 2014 by Prof. George Church, one of the pioneers in preventive medicine, Veritas was born with the aim of making genome sequencing and its clinical interpretation available to all citizens as a tool to prevent diseases and improve health and quality of life.

Since its inception, Veritas has led the activity and development in the markets in which it operates, with the goal of turning genomics into a daily instrument at the service of people's well-being.

In March 2022 Veritas announces that it will become part of LetsGetChecked, a global healthcare solutions company based in Dublin and New York.



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