

**GENETIC TEST:**  
**Familial cancer predisposition (gene panel)**

|                                   |                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FULL NAME:</b>                 | Familial cancer predisposition (gene panel)                                                                                                               |
| <b>TEST TYPE:</b>                 | Clinical                                                                                                                                                  |
| <b>TEST SPECIALTY:</b>            | Molecular Genetics                                                                                                                                        |
| <b>TEST PURPOSE:</b>              | Mutation confirmation,<br>Post-natal Diagnosis,<br>Pre-implantation genetic diagnosis,<br>Predictive and Pre-symptomatic diagnosis,<br>Prenatal diagnosis |
| <b>SPECIMEN:</b>                  | Peripheral (whole) blood on EDTA,<br>DNA                                                                                                                  |
| <b>METHOD CATEGORY:</b>           | Sequence analysis: entire coding region<br>Deletion/duplication analysis                                                                                  |
| <b>METHOD TECHNIQUE:</b>          | Next Generation Sequencing (NGS)<br>digitalMLPA based techniques                                                                                          |
| <b>RIZIV CODE:</b>                | 565552-565563                                                                                                                                             |
| <b>TURNAROUND TIME (MAXIMUM):</b> | 4 - 6 months                                                                                                                                              |

|                 |                     |
|-----------------|---------------------|
| <b>CREATED:</b> | 16 Dec 2020 - 14:17 |
| <b>CHANGED:</b> | 14 Dec 2022 - 16:27 |

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## RELATED CONTENT

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### Related Laboratories

- [Centrum Medische Genetica - UZ Gent](#)

### Related Analytes

- [FAMILY WITH SEQUENCE SIMILARITY 175, MEMBER A](#)
- [ACD shelterin complex subunit and telomerase recruitment factor](#)
- [aryl hydrocarbon receptor interacting protein](#)
- [APC membrane recruitment protein 1](#)
- [APC regulator of WNT signaling pathway](#)
- [ATM serine/threonine kinase](#)
- [axin 2](#)
- [BRCA1 associated protein 1](#)
- [BRCA1 associated RING domain 1](#)
- [BLM RecQ like helicase](#)
- [bone morphogenetic protein receptor type 1A](#)
- [BRCA1 DNA repair associated](#)
- [BRCA2 DNA repair associated](#)
- [BRCA1 interacting helicase 1](#)
- [BUB1 mitotic checkpoint serine/threonine kinase B](#)
- [BUB3 mitotic checkpoint protein](#)
- [cadherin 1](#)
- [cyclin dependent kinase 12](#)
- [cyclin dependent kinase 4](#)
- [cyclin dependent kinase inhibitor 1B](#)

- cyclin dependent kinase inhibitor 2A
- checkpoint kinase 1
- checkpoint kinase 2
- catenin alpha 1
- catenin beta 1
- dicer 1, ribonuclease III
- endothelin 3
- endothelin receptor type B
- epithelial cell adhesion molecule
- ERCC excision repair 4, endonuclease catalytic subunit
- FA complementation group A
- FA complementation group B
- FA complementation group C
- FA complementation group D2
- FA complementation group E
- FA complementation group F
- FA complementation group G
- FA complementation group I
- FA complementation group L
- FA complementation group M
- fumarate hydratase
- folliculin
- glial cell derived neurotrophic factor
- gremlin 1, DAN family BMP antagonist
- HNF1 homeobox B
- homeobox B13
- mitotic arrest deficient 2 like 2
- MYC associated factor X
- methyl-CpG binding domain 4, DNA glycosylase
- menin 1
- MET proto-oncogene, receptor tyrosine kinase
- melanocyte inducing transcription factor
- mutL homolog 1

- MRE11 homolog, double strand break repair nuclease
- mutS homolog 2
- mutS homolog 3
- mutS homolog 6
- mutY DNA glycosylase
- nibrin
- neuregulin 1
- neuregulin 3
- neurturin
- nth like DNA glycosylase 1
- partner and localizer of BRCA2
- palladin, cytoskeletal associated protein
- polybromo 1
- PMS1 homolog 2, mismatch repair system component
- DNA polymerase delta 1, catalytic subunit
- DNA polymerase epsilon, catalytic subunit
- protection of telomeres 1
- protein phosphatase 2 regulatory subunit Balpha
- phosphatase and tensin homolog
- RAB, member of RAS oncogene family like 3
- RAD50 double strand break repair protein
- RAD51 recombinase
- RAD51 paralog B
- RAD51 paralog C
- RAD51 paralog D
- RAD54 like
- RecQ like helicase
- ret proto-oncogene
- ring finger and WD repeat domain 3
- ring finger protein 43
- succinate dehydrogenase complex flavoprotein subunit A
- succinate dehydrogenase complex assembly factor 2
- succinate dehydrogenase complex iron sulfur subunit B

- succinate dehydrogenase complex subunit C
- succinate dehydrogenase complex subunit D
- semaphorin 3C
- semaphorin 3D
- SLX4 structure-specific endonuclease subunit
- SMAD family member 4
- SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4
- SRY-box transcription factor 10
- serine peptidase inhibitor Kazal type 1
- serine/threonine kinase 11
- succinate-CoA ligase GDP-forming subunit beta
- TERF2 interacting protein
- telomerase reverse transcriptase
- transmembrane protein 127
- tumor protein p53
- TSC complex subunit 1
- TSC complex subunit 2
- ubiquitin conjugating enzyme E2 T
- von Hippel-Lindau tumor suppressor
- WT1 transcription factor
- X-ray repair cross complementing 2

## Related Gene Panels

- Hereditary cancer predisposition - UGent

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