



Introduction

Individuals with a family history of cancer may have an increased risk of cancer if they have inherited a cancer-causing mutation. Different gene mutations can cause diverse types of cancer. The BGI SENTISTM Hereditary Cancer Panel analyzes germline mutations across **79 genes** associated with **24 types of hereditary cancer**, including some of the most common cancer types, such as hereditary breast, ovarian, colorectal, prostate, and stomach cancer. Identification of cancer-causing mutations can help confirm a diagnosis, guide treatment and health management decisions, or guide further testing of at-risk relatives.

BGI SENTISTM Hereditary Cancer Panel

Advantages



Comprehensive

Whole exome plus flanking intronic regions covered for all genes tested; one single assay that detects point mutations, deletions, insertions, duplications and rearrangements*



Robust

Clinically important (pathogenic or likely pathogenic) variants are verified by Sanger Sequencing, while large gene rearrangements are verified by qPCR



Convenient

Test from blood or saliva; DNA is also accepted



Professional

A state-of-the-art variant database ensures up-to-date analysis and interpretation. We also have a dedicated genetic counselling team offering professional genetic counselling services via email

*Alterations in methylation and complex genomic aberrations such as uniparental disomy, balanced translocation, inversions, ploidy changes, duplication and deletion of large DNA fragments and/or other rare alterations are not included. Also, there are some regions that cannot be fully covered, including exon15 of CHEK2 gene, and exon1 of STK11 gene.

Hereditary Cancer Screening Products

Product Name	Test Content
Sentis Hereditary Cancer Panel (Female)	74 Genes 23 Cancer Types
Sentis Hereditary Cancer Panel (Male)	79 Genes 22 Cancer Types
Sentis Hereditary Breast and Ovarian Cancer	2 Genes/26 Genes
Sentis Hereditary Colorectal Cancer	23 Genes
Sentis Hereditary Prostate Cancer	23 Genes
Sentis Hereditary Pancreatic Cancer	12 Genes

Who is suitable for the test?

For patients

- confirm the cause of cancer
- guide treatment decisions
- assess the risk of other cancers

For healthy people and relatives

- assess the risk of hereditary cancers
- take necessary interventions for testee and family members

Sample Requirements

Saliva: ≥2ml

peripheral blood: ≥5ml

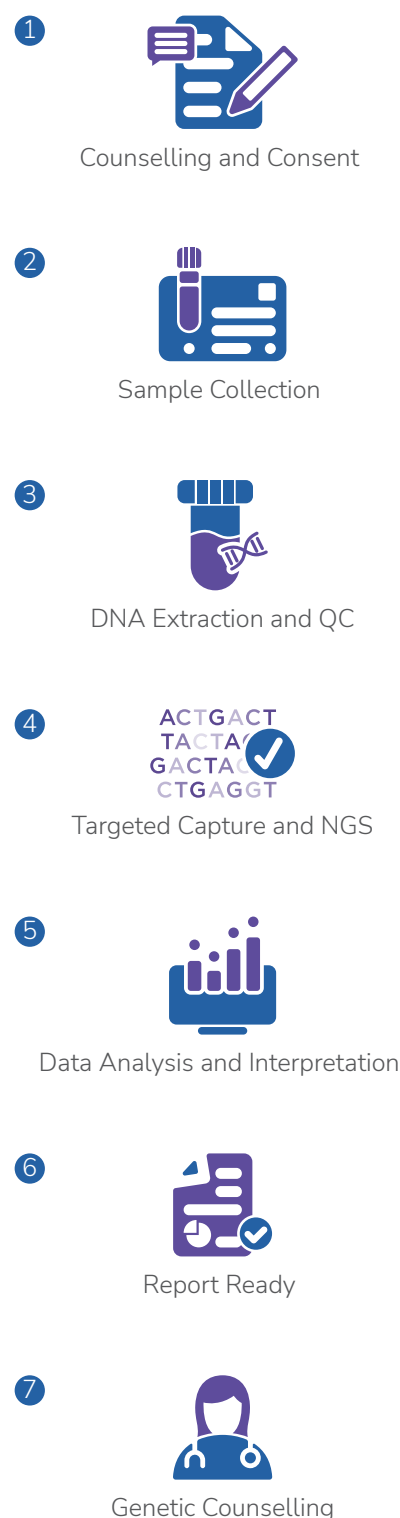
good quality DNA: ≥3μg

TAT

14 calendar days at ISO15189 certified lab in Europe

26 calendar days at CAP&CLIA certified lab in Asia

Workflow



www.bgi.com/global/
info@bgi.com

BGI

For a complete listing of our global offices, please visit www.bgi.com/global/company/contact-us/.

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Unless otherwise informed, all sequencers and sequencing reagents are not available in Germany, USA, Spain, UK, Hong Kong, Sweden, Belgium or Italy. Certain sequencing services are not available in USA and Hong Kong. Please contact a representative for regional availability. The company reserves the right of final interpretation.

SENTIS-Hereditary Cancer Panel-20220714

