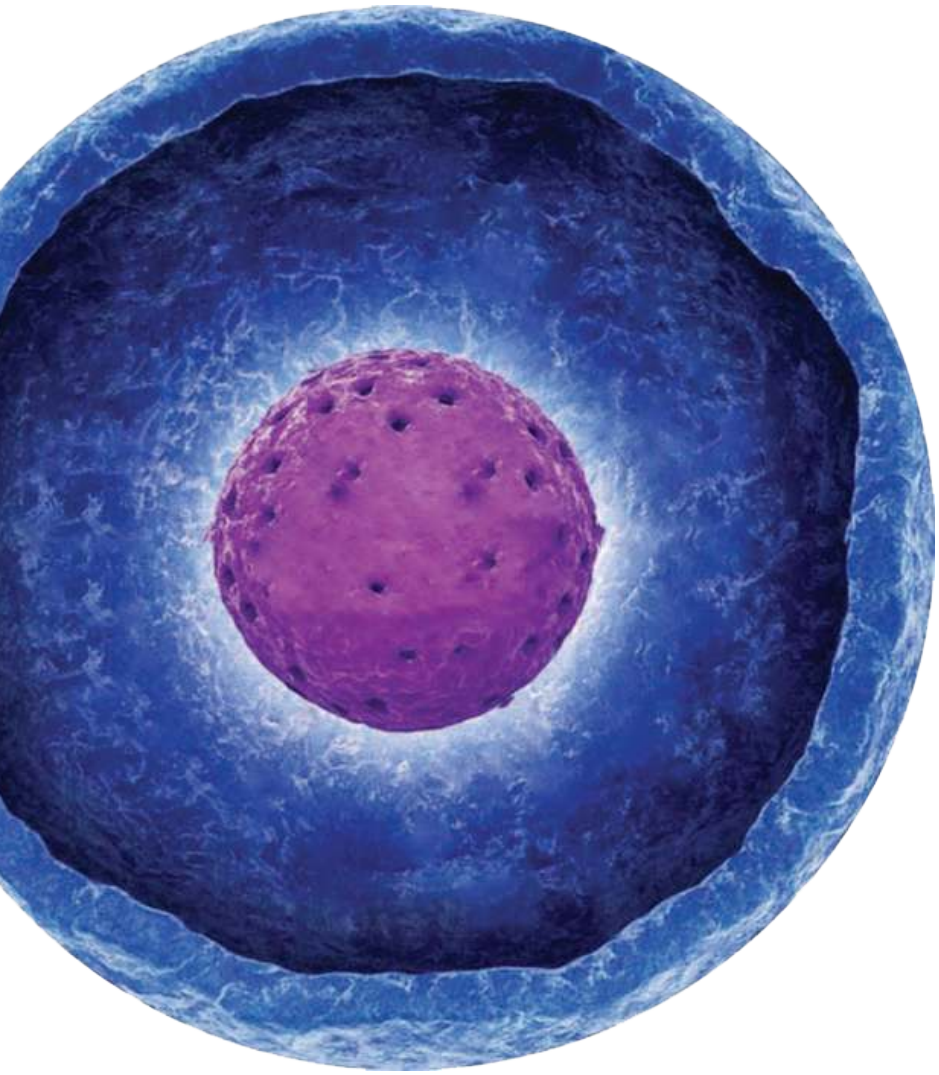


Introduction

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 different types of cancer. The BGI SENTIS™ Hereditary Cancer Screening analyzes germline mutations across **49 genes** that are associated with **17 types of hereditary cancer**, including some of the most commonly occurring cancers 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.

The Power of Knowing

BGI SENTIS™ Hereditary Cancer Screening

Advantages

Comprehensive	Whole exome plus flanking intronic regions covered for all genes tested; one single assay that detects point mutations, deletions, insertions, duplications, rearrangements[1]
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	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

[1] 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 alternations are not included. Also, there are some regions that cannot be fully covered, including exon15 of CHEK2 gene, and exon1 of STK11 gene.

List of Hereditary Cancers Tested, and Ordering Information

HEREDITARY CANCERS	CATALOG NO: DX0645 FEMALE PACKAGE	CATALOG NO: DX0646 MALE PACKAGE
Breast	✓	✓
Ovary	✓	
Stomach	✓	✓
Kidney	✓	✓
Prostate		✓
Multiple Endocrine Neoplasia	✓	✓
Thyroid	✓	✓
Parathyroid	✓	✓
Neurofibromatosis	✓	✓
Pheochromocytoma	✓	✓
Familial Paraganglioma	✓	✓
Retinoblastoma	✓	✓
Melanoma	✓	✓
Chondrosarcoma	✓	✓
Colorectal	✓	✓
Pancreas	✓	✓
Endometrium	✓	

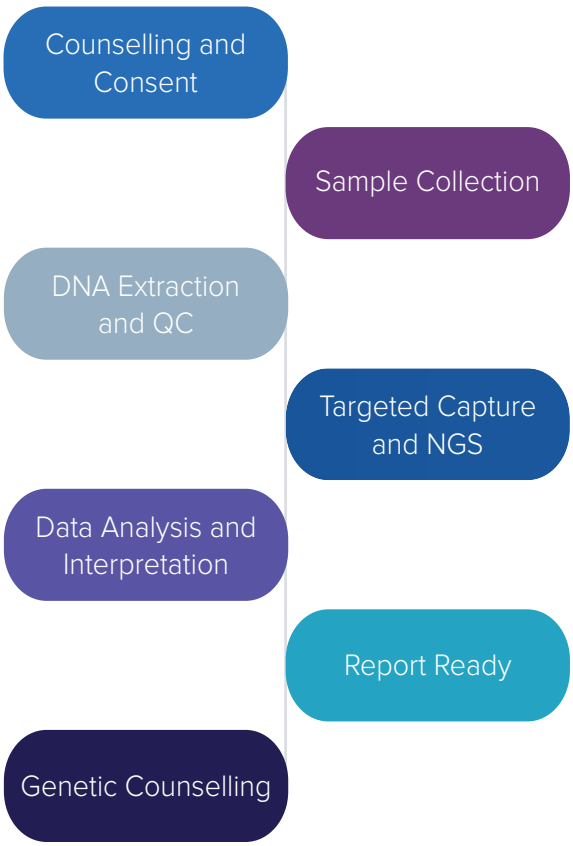
Sample Requirement

5mL of peripheral blood or 2mL of saliva or ≥3μg good quality DNA

Turnaround time

20 days (from sample arriving at BGI lab to report)

Workflow



Contact your local BGI representative for more information or email **info@bgi-international.com**.

More information can also be found on our website.

www.bgi.com/global/

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For Research Use Only. Not for use in diagnostic procedures.

Testing services not currently available in the United States of America. Please contact a representative for regional availability.