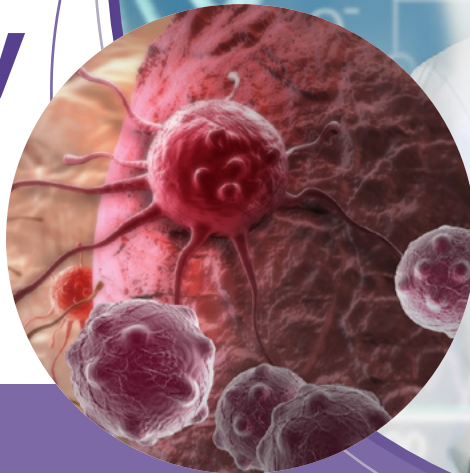




BGI SENTIS™

Cancer+ Discovery

NGS Panel

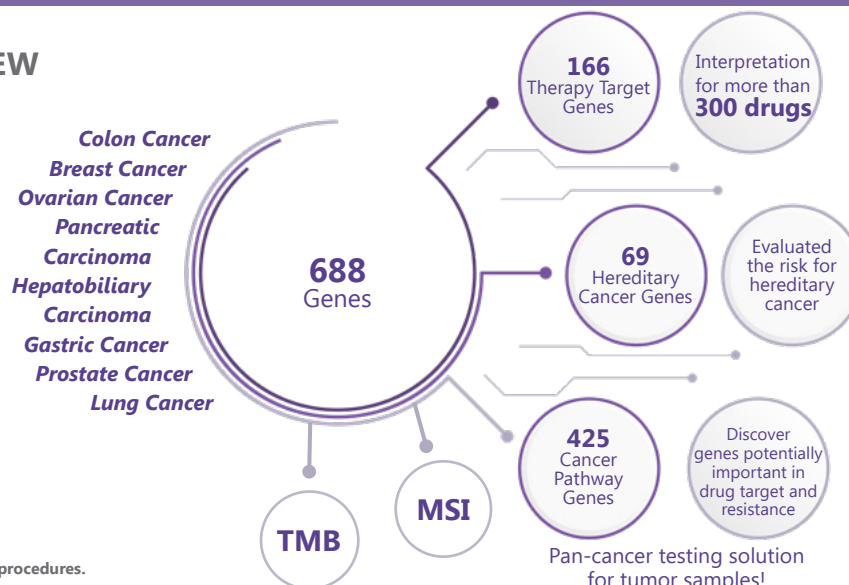


INTRODUCTION

Technological advances combined with an improved understanding of the genetic basis of cancer has revolutionized the way we manage cancer. Utilizing the patient's particular genomic profile, clinicians can now assess the risk of hereditary cancer for the patient and the patient's family, also tailor the best treatment options.

BGI's SENTIS™ Cancer+ Discovery NGS Panel provides your labs with one of the market's most comprehensive and accurate NGS-based testing solution for the identification of actionable somatic and germline mutations and the discovery of novel variants with important functions in cancer. The panel offers exon coverage of 688 cancer-related genes and interrogates the most common types of alterations, including SNVs, indels, CNVs and fusions in solid tumors.

GENE PANEL OVERVIEW



PANEL APPLICATIONS

1. Targeted Therapy
 - » Covers 166 therapy target genes for interpretation of over 300 drugs.
 - » Includes FDA and NCCN guideline-recommended companion diagnostic genes.
2. Immunotherapy Evaluation
 - » High-concordance TMB results ($R^2 > 0.95$) with whole-exome sequencing.
 - » BGI's proprietary EDB-MSI algorithm for precise evaluation (95%+ sensitivity and specificity).
 - » Includes evaluation of 23 Immune positive and negative genes.
3. Hereditary Risk
 - » Covers 69 hereditary cancer genes for risk evaluation of breast, ovarian, colon cancer, and more.

LABORATORY WORKFLOW SOLUTION



DNA Extraction and QC



Targeted Capture and NGS



Data Analysis and Interpretation



NGS Testing Report from Halos Pipeline

BGI's early access program enables your end-to-end testing of various sample types with the following proven products/platforms (**RUO in the US and Canada**).



MGISP-100* Automated Sample Preparation System



DNBSEQ-G400* Sequencer



BGI Halos Health Analysis in One-Step



SENTIS™ Cancer+ Discovery Panel Reagent Set

*The automation and sequencing instruments are supplied by Complete Genomics directly.

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

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