

Breast and ovarian cancer

# Devyser BRCA for NGS



## Discover the advantages

- One tube per sample, including both BRCA1 and BRCA2, means no need for sample splitting
- One kit for NGS library preparation for both germline and somatic mutations
- One working day from sample to NGS sequencing
- Reduces hands-on time from days to minutes
- Eliminates complex and labor-intensive workflows
- Covers all coding regions, promoter and exon-intron boundaries of BRCA1 and BRCA2
- Standardized, easy-to-use and streamlined data analysis options available
- Compatible with current NGS instruments

## BRCA mutation testing

Early identification of BRCA mutation status through diagnostic testing enables physicians to make informed decisions to help guide treatment. In addition, knowing the BRCA mutation status can help identify women who could benefit from risk-reduction strategies, including hormone replacement therapy, chemoprevention strategies and prophylactic surgery.

Devyser BRCA rapidly provides highly accurate BRCA 1 and BRCA 2 analysis, helping clinicians tailor targeted treatment and increase survival rates for ovarian and breast cancer patients.

## A complete diagnostic kit for the NGS platform

The Devyser BRCA diagnostic kit provides full and uniform coverage of all BRCA1 and BRCA2 exons, exon/intron junctions and the promoter region. Devyser's multiplex PCR primer chemistry allows completely overlapping primer design within a single PCR tube, minimizing the risk of sample mix-up and cross-contamination.

Optimised primer overlapping also ascertains superior INDEL coverage throughout the complete coding regions of both the BRCA1 and BRCA2 genes. The Devyser BRCA kit can be used to detect both germline (e.g. blood samples) and somatic (e.g. FFPE samples) mutations in the BRCA1 and BRCA2 genes.

All components necessary for generating ready-to-sequence NGS libraries are included in the workflow.

*Devyser. Results for life.*

Devyser is specialized in the development, manufacture and sales of diagnostic kits for complex DNA testing within Oncology, Reproductive Health and Hereditary Diseases. The products are used to guide targeted cancer therapies, to enable rapid prenatal diagnostics as well as in a wide array of genetic tests. Devyser's product development focuses on simplifying and streamlining complex testing processes to improve throughput, reduce hands-on time and produce accurate and trusted results.

## Technical specifications

### Intended use:

The Devyser BRCA kit is an in vitro diagnostic product for detection of mutations in the BRCA1 and BRCA2 genes.

### Assay principle:

Targeted sample library preparation. Standardized sample barcoding and sample pooling for NGS sequencing.

### Run time:

Total time: 4-5 hours  
Hands-on time: 45 min

### Article number:

8-A100-8 (8 tests)  
8-A100-24 (24 tests)

### Procedures covered by assay:

- Clinical sample DNA standardization
- Targeted library preparation
- Sample indexing/molecular barcoding
- Sample clean-up and pooling

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