ONCOLOGY

Breast and ovarian cancer

Devyser BRCA for NGS

Discover the advantages

- Detect SNVs, indels and CNVs in BRCA1 and BRCA2 coding regions
- One tube per sample means no need for sample splitting
- Reduce hands-on time from days to under 45 minutes
- One kit for both germline and somatic mutations
- Choice of several validated software options, including CNV analysis

Designed for routine NGS diagnostics

The Devyser BRCA kit is easy to implement and highly cost-effective, making it a good match for laboratories of any size. It features ready-to-use reagents and a user-friendly workflow. Devyser's unique single-tube approach simplifies the workflow, reduces hands-on time and minimizes the risk of sample mix-up and contamination. The proprietary multiplex PCR primer chemistry provides full and uniform coverage of both BRCA1 and BRCA2, covering all coding exons and exon/intron junctions. The kit uses overlapping primer design to ascertain superior indel coverage and downstream CNV analysis. The Devyser BRCA kit can be used to detect both germline and somatic mutations.

Analytical software options

Laboratories have a choice of fully validated analytical software solutions, locally deployed or cloud-based.

About BRCA mutation testing

Early identification of germline BRCA mutations can help physicians make informed decisions on risk reduction strategies such as hormone replacement therapy, chemoprevention strategies and prophylactic surgery. Analysis of somatic mutations can help clinicians tailor targeted treatment for ovarian and breast cancer patients.

Learn more about Devyser NGS solutions at www.devyser.com/ngs-video

Technical specifications

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

CE-IVD

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

Compatible NGS instruments:
Illumina MiSeq®
Contact info@devyser.com for latest list of compatible instruments.

Article number:
Devyser BRCA
8-A100-8 (8-tests)
8-A100-24 (24-tests)
8-A100-96 (96-tests)

Accessories:
Devyser Library Clean
8-A204

Procedures covered by assay:

- Targeted library preparation
- Sample indexing/molecular barcoding
- Sample clean-up and pooling

Contact

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Devyser. Results for life.

Devyser is specialized in the development, manufacture and sales of diagnostic kits for complex DNA testing. 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.

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DEVYSER BRCA NGS

>99% Specificity	>99% Sensitivity
100 % Coding exons covered	<5 Time required in hours
>99.9% Coverage uniformity >20% mean	195 bp Average amplicon length
10 ng Input DNA required	Yes Suitable for FFPE DNA analysis
<45 Hands-on time in minutes	Illumina® Platform

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