ONCOLOGY

Breast and ovarian cancer

Devyser BRCA for NGS

Discover the advantages

- Detect all mutations in BRCA1 and BRCA2
- 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. With ready-to-use reagents and a user-friendly workflow, it suites both manual and automated workflows. 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 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. We also support integration with other analytical software solutions.

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.

Watch video at www.devyser.com/ngs

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.

Compatible NGS instruments:
Illumina NGS instruments

Article number:
8-A100-8: Devyser BRCA 8-test
8-A100-24: Devyser BRCA 24-test

Procedures covered by assay:

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

Contact

Instrumentvägen 19
SE-12653 Hägersten
Sweden
Tel: +46-(0)8-562 158 50
Fax: +46-(0)8-32 64 88
Web: www.devyser.com
Email: info@devyser.com

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Devyser. Results for life.

We're specialists in diagnostic kits for complex DNA testing within oncology, reproductive health and hereditary diseases. Our products are used to guide targeted cancer therapies, to enable rapid prenatal diagnostics, as well as in a wide array of genetic tests. We have a guiding principle when it comes to developing products that are ideal for routine diagnostics: make the technology simple, reproducible and less prone to user-generated errors. And this is precisely what our customers appreciate about us, which is why routine diagnostic laboratories in more than 50 countries worldwide use our products.

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DEVYSER BRCA NGS

100 %	<5
Bases covered	Time required in hours
100 %	<100 000
Coverage uniformity >20% mean	Recommended # of reads per library
≥97 %	190 bp
Coverage uniformity >50 % mean	Average target amplicon length
>99 %	10 ng
On-target reads	Input DNA required
19 kB	Yes
Total target size	Suitable for FFPE DNA analysis
<45	Illumina®
Hands-on time in minutes	Platform

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