

BRaCA screen



BRaCA screen is a kit for the analysis of the BRCA1, BRCA2 and TP53 genes through a molecular protocol based on Next Generation Sequencing (NGS) technologies. The kit is validated for somatic (SNPs, indels) and germline analysis (SNPs, indels, CNVs) of DNA extracted from cancer tissues (fresh, frozen or FFPE) or body tissues (blood or other). BRaCA screen kit contains all reagents required for the preparation of a specific bidirectional library of amplicons designed for the NGS analysis using Illumina or Ion Torrent sequencers.

KEY FEATURES

- **REF: S2000-16 (16 test)**
- **REF: S2000-48 (48 test)**
- Genes targeted: BRCA1, BRCA2, TP53
- Application: somatic, germline analysis
- Number of pools: 3
- Panel size: 26 kb
- Input DNA: 20ng/reaction
- Coverage: full coding exons plus padding regions (>20bp)

SAMPLES/RUN*

	Germline	Somatic
MiSeq Nano Kit v2 (300-cycles)	6	1
Nano Kit v2 (500-cycles)	6	1
Micro Kit v2 (300-cycles)	28	2
Kit v2 (300-cycles)	>96	10
Kit v2 (500-cycles)	>96	10
Kit v3 (600-cycles)	>96	17
MiniSeq Mid Output Kit (300-cycles)	57	5
High Output Kit (300-cycles)	>96	17
iSeq 100 il kit (300-cycles)	28	2
NextSeq 550 Mid-Output Kit	>384	94
High-Output Kit	>384	>96
Ion 314™ Chip	4	0
Ion 316™ Chip	18	1
Ion 318™ Chip/Ion 520™ Chip	35	2
Ion 530™ Chip	>96	9
Ion P1™ Chip/Ion 540™ Chip	>384	34

*the maximum number of samples per cartridge/chip estimated assuming an average depth of 300x for germline and 5000x for somatic analysis. The optimal number of samples must be empirically determined on local setups.

INDEXES/BARCODES

For Illumina instruments

HR Index set A (6x4) REF: 5001
HR Index set B (6x4) REF: 5002

For Ion Torrent instruments

HR Barcode 1-16 REF: 4001
HR Barcode 17-32 REF: 4002

For ordering info please contact info@4bases.ch