

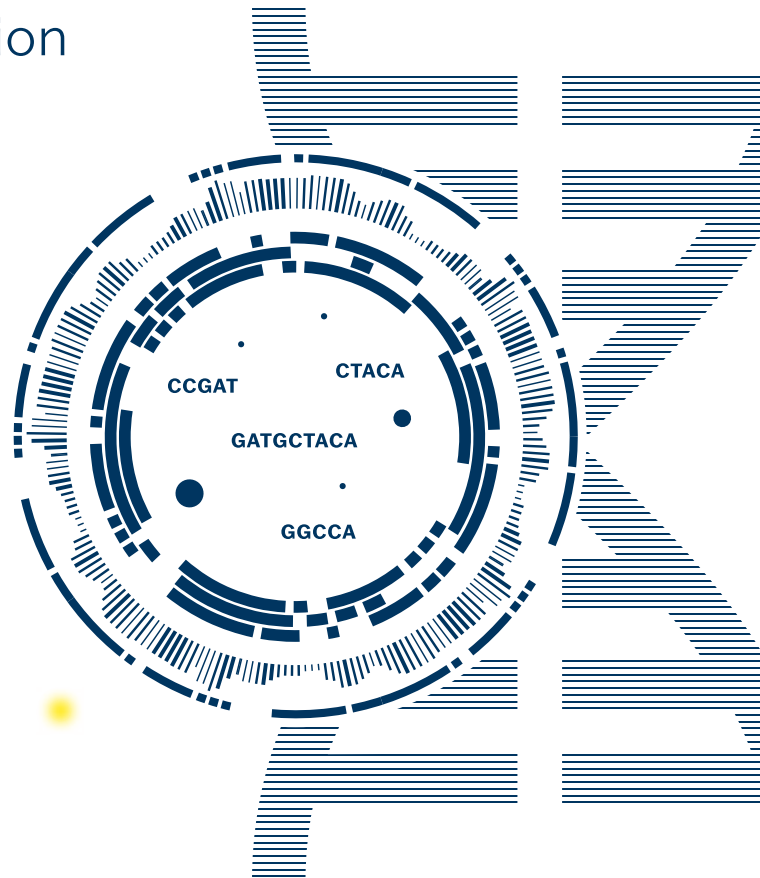
**epicGEN**

## **Solid Cancer & MSI Kit**

### Comprehensive NGS solution for oncology

Leverage the power of NGS technology to drive breakthroughs in oncology. Our cutting-edge solution offers a comprehensive approach, ensuring accurate, efficient, and comprehensive genomic analysis.

The new epicGEN Solid Cancer & MSI Kit provides an advanced NGS solution designed to meet the evolving demands of oncological research and diagnostics. With an integrated approach, it streamlines library preparation and data analysis, providing highly reliable results for enhanced research application.



### **5 reasons why epicGEN is worth your attention**

#### **Hybrid-capture library preparation**

Detect and analyze 42 oncologically relevant genes from less than 1 ng of DNA.

#### **Seamless sequencing workflow**

High sensitivity for low-frequency mutations.

#### **Fast and easy data analysis**

Advanced bioinformatics software for accurate data interpretation.

#### **MSI analysis**

Detect microsatellite instability (MSI) to assess treatment response.

#### **Secure data storage**

Reliable infrastructure to store and retrieve sequencing results.

Discover our **epicGEN  
Solid Cancer & MSI Kit**  
on our website.



## DNA sample requirements



Less than 1 ng of DNA per sample

Sample type: Formalin-fixed, Paraffin-embedded (FFPE) tissue

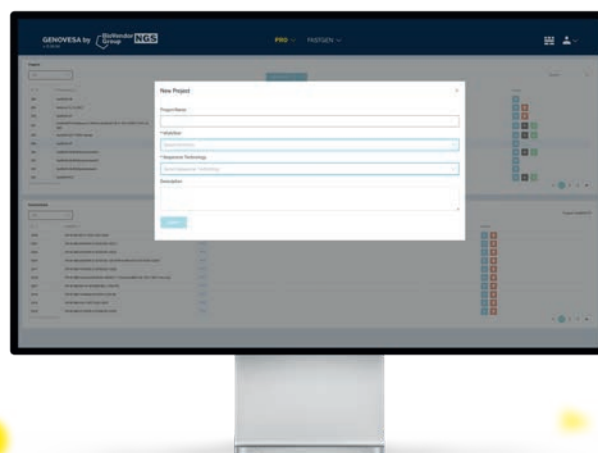
Suitable for ctDNA and liquid biopsy

## All oncologically relevant regions of 42 genes and 13 MSI loci

|                                 |        |       |       |        |        |        |        |
|---------------------------------|--------|-------|-------|--------|--------|--------|--------|
| 42 oncologically relevant genes | AKT1   | ALK   | ARAF  | ARID1A | ARID1B | ATM    | ATR    |
|                                 | BRAF   | BRCA1 | BRCA2 | CDK12  | CDKN2A | DDR2   | EGFR   |
|                                 | ERBB2  | ESR1  | FAT1  | FGFR1  | FGFR2  | FGFR3  | CHEK1  |
|                                 | IDH1   | IDH2  | KEAP1 | KRAS   | MAP2K1 | MET    | MTOR   |
|                                 | NF1    | NRAS  | NTRK1 | NTRK2  | NTRK3  | PALB2  | PIK3CA |
|                                 | PIK3R1 | POLE  | PTEN  | RB1    | RET    | STK11  | TP53   |
| MSI loci                        | BAT25  | BAT26 | BAT40 | CAT25  | D18S58 | D2S123 | D5S346 |
|                                 | MONO27 | NR21  | NR22  | NR24   | NR27   | TGFB2  |        |

## GENOVESA software solution included

- User-friendliness
- Automatized bioinformatic analysis of NGS data
- Advanced quality control of sequencing data
- Local clinical database
- Visualization of NGS data
- Data sharing between clinics
- Clinical report generation
- Custom baseline creation



## Contact us

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