



# High-Sensitivity NGS Library Prep Kit for cfDNA and DNA

Unlock ultrasensitive sequencing with UMIs – for liquid biopsies, tissue, cellular DNA and non-model organisms

Introducing the **TrueQuant DNA-cfDNA-Seq Kit** – a versatile solution designed for both cell-free DNA (cfDNA) from plasma or serum and “regular” genomic DNA from tissue or cells. With input requirements as low as **1 ng**, this kit offers exceptional sensitivity and broad applicability.

Cell-free DNA, also referred to as circulating-free DNA (cfDNA) or circulating-cell-free DNA (ccfDNA), or as circulating-tumor DNA (ctDNA) when derived from tumors, is a powerful source of biomarkers used in liquid biopsies.

**PLUS Bioinformatics:** We offer comprehensive bioinformatics support for model and non-model organisms, including assembly, annotation, SNP-detection etc. For human DNA, a detailed report including features such as Single Nucleotide Polymorphisms (SNPs), Fusions, Copy Number

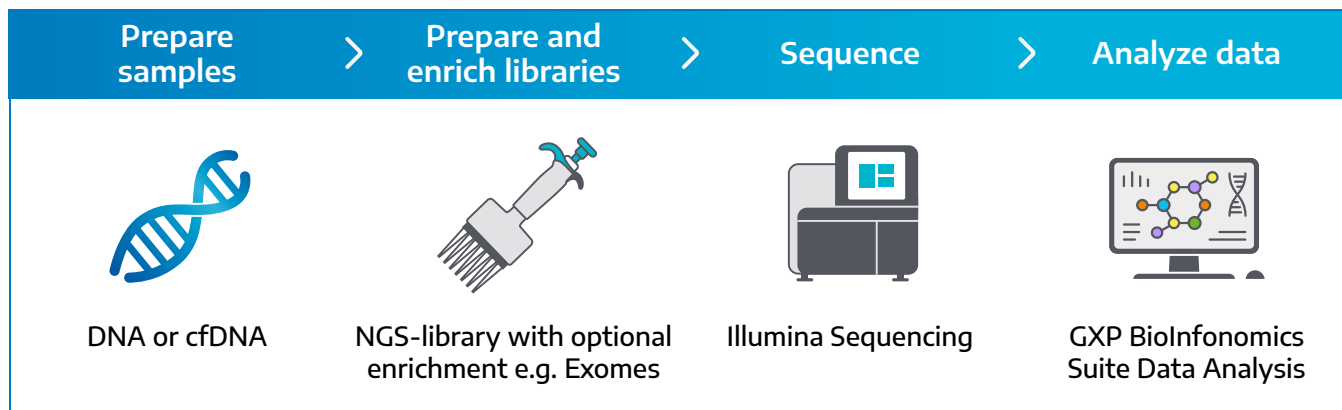
## Key Benefits

- High sensitivity down to **1 ng input** for cfDNA.
- Includes dual indexing and **TrueQuant molecular barcodes (UMIs)** for error correction, PCR bias reduction, and accurate detection of low-frequency variants.
- Single-tube workflow for ease of use.
- Compatible with high-throughput formats (dual index, up to 384 samples in parallel).

Variations (CNVs), Microsatellite Instability (MSI), HR (Homologous Recombination) is generated and provides connections to numerous databases (CIVIC, ClinVar, dbSNP, and more).

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## UMISeq for cell free DNA (cfDNA) sequencing



Our kit for NGS library preparation of cell free DNA (cfDNA) from blood plasma, serum or urin (“Liquid Biopsy”) includes dual indices, TrueQuant-Molecular Barcodes (UMIs) and allows to generate NGS libraries from only **1ng** of DNA or cfDNA.

The adapters contain either a UMI at the place of the P7 ID (V2) or an additional UMI in front of the P7 ID (V2).

The kit is for research use only.

For more information or to request a free trial kit, please contact us.

