

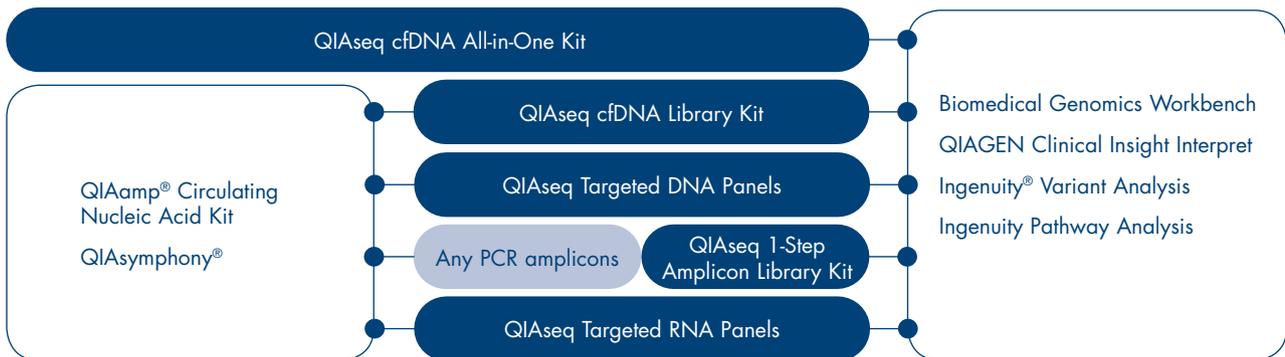


# NGS for liquid biopsy research

Meaningful insights enabled by QIAGEN



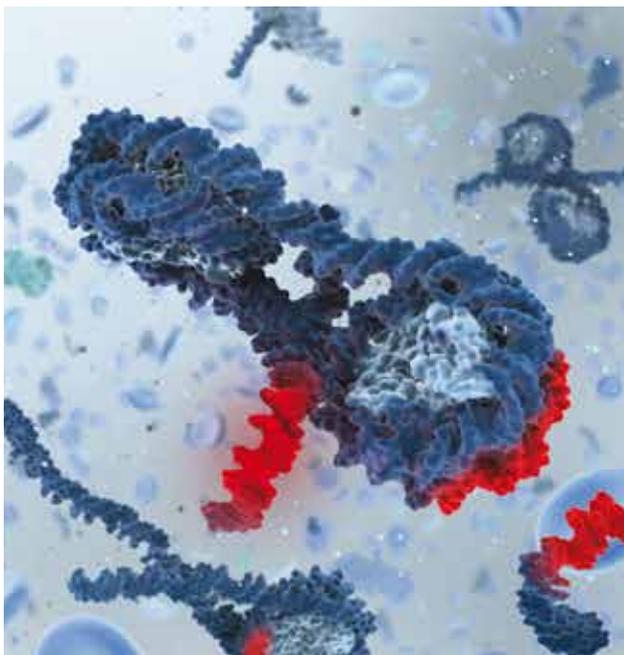
## Circulating cell-free nucleic acids



## Single cell CTC research



## Circulating cell-free DNA – whole genome/hybrid capture sequencing



### QIAseq cfDNA All-in-One Kits

Designed especially for cfDNA, these kits generate sequencer-ready NGS libraries from plasma in less than 3 hours. QIAseq cfDNA All-in-One Kits uniquely combine cfDNA extraction from plasma with efficient library preparation, ensuring optimal sample conversion at every step. To avoid sample loss and maximize NGS library yields, the protocol eliminates additional steps. Offering ultra-efficient adapter ligation chemistry, the kits ensure high mutation detection sensitivity.

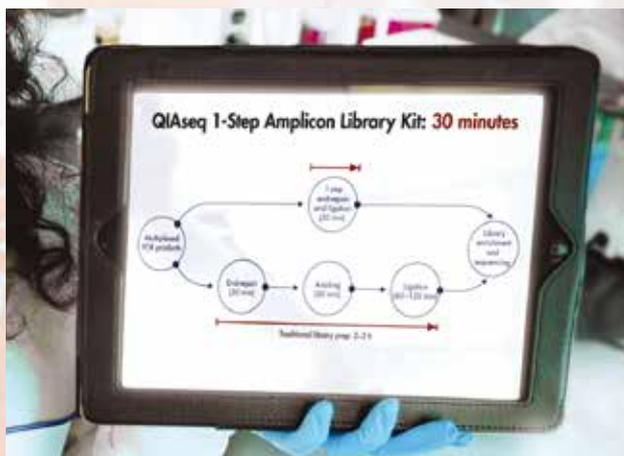
**Cat. no. 180025** (96 reactions, with adapters)

**Cat. no. 180023** (24 reactions, with adapters)

**Cat. no. 180015** (96 reactions, with adapters – library prep reagents only)

**Cat. no. 180043** (24 reactions, with adapters – for Ion Torrent™ sequencers)

## Circulating cell-free nucleic acids – targeted resequencing and expression profiling



### QIAseq 1-Step Amplicon Library Kits

If you use custom designed amplicon primers or would like to sequence any amplicon-based custom panel on an Illumina® sequencer, this kit offers a novel and streamlined method for NGS library prep from any multiplex PCR products. The innovative one-step library prep chemistry allows you to prepare sequencer-ready libraries in 30 minutes at room temperature. Kits include ligation and amplification reagents and 96-plex plate format adapters for 96 samples.

**Cat. no. 180415** (96 reactions, with adapters)

**Cat. no. 180412** (12 reactions, without adapters)

## QIAseq Targeted DNA Panels

QIAseq Targeted DNA Panels are the first complete Sample to Insight solution for digital DNA-seq. These panels use Unique Molecular Indices (UMI), allowing you to detect low-frequency variants with high confidence and accuracy by overcoming challenges such as PCR duplicates, false positives and library bias. Primer design is based on single primer extension, in which each genomic target is enriched by one target-specific primer and one universal primer – a strategy that removes conventional two target-specific primer design restriction and allows specific enrichment of cfDNA. Panels are available in bench-tested cataloged designs, as well as extended and custom formats, and are compatible with human samples.

**Cat. no. Various**



## QIAseq Targeted RNA Panels

QIAseq Targeted RNA Panels are the only Sample to Insight digital RNA-seq solution for unbiased gene expression profiling using next-generation sequencing. Panels are available in 8 bench-tested cataloged designs, and custom formats, and are compatible with human, mouse and rat samples. QIAseq Targeted RNA Panels use Unique Molecular Indices (UMIs) for unbiased and accurate gene expression profiling.

**Cat. no. 333005** (96 reactions)

**Cat. no. 333002** (12 reactions)



## Single cell CTC genomics and transcriptomics

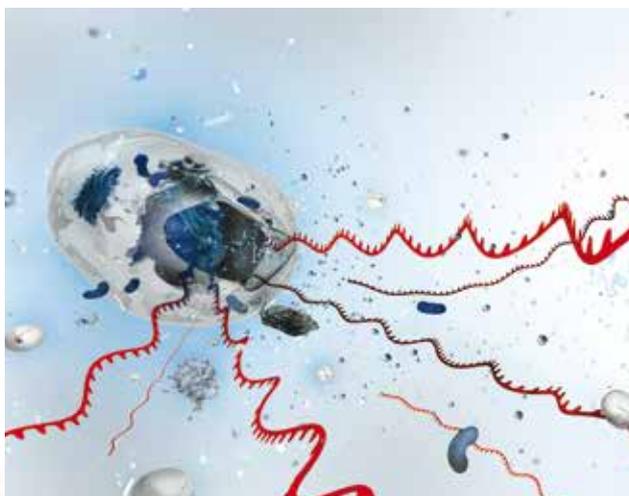


### QIAseq FX Single Cell DNA Library Kits

QIAseq FX Single Cell DNA Library Kits provide a complete cell-to-library solution and include all the reagents required to generate high-diversity whole genome libraries from single eukaryotic or bacterial cells in under 4 hours. These kits offer a PCR-free method for generating NGS libraries and amplified gDNA for follow-up testing and are ideal for the analysis of aneuploidy, copy number variation and sequence variation in single cells or for whole genome sequencing from rare samples.

**Cat. no. 180715** (96 reactions, with adapters)

**Cat. no. 180713** (24 reactions, with adapters)



### QIAseq FX Single Cell RNA Library Kits

QIAseq FX Single Cell RNA Library Kits provide a complete cell-to-library RNA-seq solution that delivers sequencer-ready libraries from isolated single cells in less than 6 hours. Kits include all reagents required for cell lysis, reverse transcription, cDNA amplification, as well as for PCR-free NGS library preparation. QIAseq FX Single Cell RNA Library Kits provide high-quality NGS libraries, as well as a tube of amplified cDNA that can be stored for follow-up experiments.

**Cat. no. 180735** (96 reactions, with adapters)

**Cat. no. 180733** (24 reactions, with adapters)

Visit [www.qiagen.com/liquidbiopsy](http://www.qiagen.com/liquidbiopsy) and [www.qiagen.com/SingleCellAnalysis](http://www.qiagen.com/SingleCellAnalysis) for more information!

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