

TarCET<sup>®</sup>  
Kit

Multidisciplinary  
NGS-based assays  
in a **single** run



**MEDICOVER**  
GENETICS

# TarCET KITS

A scalable and efficient solution for any laboratory throughput to perform multi-disciplinary genetic tests in-house. By combining different assays in one single sequencing run, laboratories can improve turnaround time and reduce operational costs while ensuring high-quality results. Our comprehensive testing approach is ideal for laboratories looking to provide a wide range of high-fidelity genetic tests to their healthcare associates and patients. All our TarCET kits come with proprietary bioinformatics solutions for sample management, analysis, and reporting.

## PRODUCT DESCRIPTION

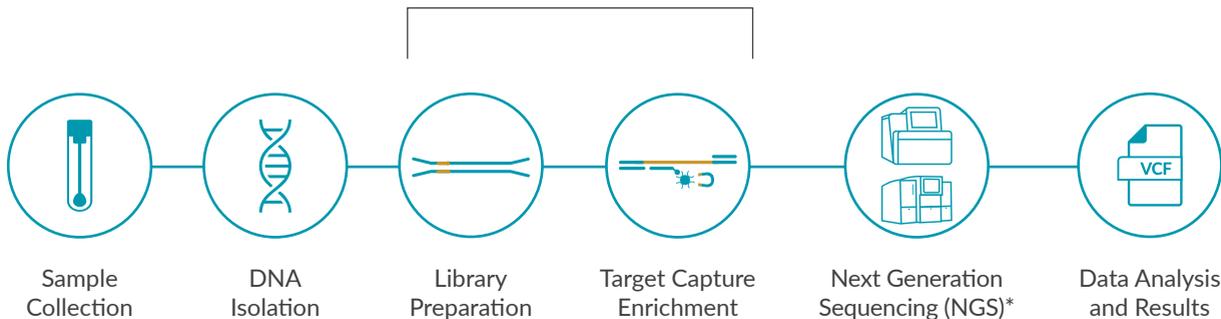
TarCET NGS-based kits include reagents for universal library preparation and reagents for in-solution hybridization for DNA sequencing of multigene panels, on sequencing platforms. TarCET can be used with our UltraVerse Index Oligos which allows the combination of multiple libraries onto a single sequencing run. Each kit includes reagents for 16 library preparation and in-solution hybridization reactions.

## PROCESS WORKFLOW



Multiple TarCET kits combination

*Reproductive Health • Preimplantation Genetic Testing (PGT) • Neonatal • Postnatal • Oncology*



\* Compatible with Illumina and Element Biosciences sequencing systems

## FEATURES & SPECIFICATIONS

- 
- Universal protocol for all assays
  - Streamlined simple workflow
  - Universal sample input requirements
  - Manual or automated workflows
  - Scalable for any throughput laboratory
  - Flexibility to choose between buccal swab or blood sample (except PGT: blastomeres or blastocysts biopsies)
  - Flexibility to select between two fragmentation methods
    - Mechanical fragmentation via sonication
    - Enzymatic fragmentation via enzymatic digestion
  - Mean coverage uniformity  $\geq 20x$ :  $>97\%$
  - Proprietary bioinformatics
  - Unique dual-index combinations compatible with all TarCET kits

*TarCET Kit is a reagent kit designed for DNA preparation for downstream analysis via NGS sequencing. TarCET Kit cannot be used directly to identify a genetic condition, but only in combination with an IVD Analysis Software.*

# THE KITS

Each **TarCET Kit** contains reagents for 16 reactions with multiplexing capabilities up to 384 (4 x 96-index kits).

## Carrier Screening

Carrier Screening Core Kit

*(19 genes)*

Carrier Screening Comprehensive Kit

*(228 genes)*

## Infertility

Infertility Kit

*(female 54 genes, male 39 genes, structural and numerical abnormalities on sex chromosomes)*

## Neonatal

Neonatal Kit

*(140 genes)*

## Preimplantation Genetic Testing

PGT Kit *(with or without WGA)*

*(Whole chromosome aneuploidies, structural rearrangements and segmental aneuploidies down to 10Mb, selected male polyploidies, and mosaicism higher than 50%)*

## Metabolic

Metabolic Kit

*(223 genes)*

## Oncology

Hereditary Cancer Kit

*(62 genes)*

## Cardiovascular

Cardiac Comprehensive Kit

*(292 genes)*

Aortopathy Kit

*(48 genes)*

Arrhythmia Kit

*(42 genes)*

Cardiomyopathy Kit

*(98 genes)*

Congenital Heart Defects Kit

*(80 genes)*

FH, PH and RAS Kit

*(11, 11, and 30 genes)*

## UltraVerse Index Oligos Kits

**UltraVerse Index Oligos** include unique dual index oligos intended to be used in conjunction with Medcover Genetics medical device products, including **TarCET kits**, in order to create target-enriched libraries for NGS. Each **UltraVerse Index Oligos** kit includes 96 reactions.

*Additionally, Medcover Genetics offers a Technology Transfer Platform which utilizes proprietary technology and bioinformatics for automatable NIPT kits that can be integrated into the same sequencing run with TarCET kits.*

# VARIANT INTERPRETATION

Medcover Genetics has partnered with **VarSome Clinical**, an IVDR-certified platform for **gene annotation** and **variant interpretation** of genes tested with TarCET kits. VarSome Clinical is available as an **add-on (analysis tokens)** to TarCET customers upon request.

# BENEFITS OF **TarCET** KITS

CE IVD  
certified  
assays

Comprehensive  
gene content

User-friendly and  
reliable workflows  
and protocols

Integration of  
multidisciplinary  
assays offering  
operational  
efficiency

Unified  
ecosystem,  
including software  
solutions and  
reporting

Scalable  
solutions for any  
sample volume

## **QUALITY ASSURANCE AND SUPPORT**

**TarCET kits** are **CE marked** library preparation and enrichment products, produced under **strict quality-controlled** manufacturing processes ISO 13485:2016 and ISO 9001:2015, ensuring the **highest quality**, and intended to be used for identification of variants associated with genetic disorders.

Medicover Genetics offers on-going support to all **TarCET kits** customers through dedicated technical support channels.

Technical Support • Quality and Performance Monitoring • Virtual and Onsite Trainings

# ABOUT MEDICOVER GENETICS

**Medicover Genetics** is a leading innovator in genetic diagnostics, laboratory enablement, and clinical testing, with over 25 years of experience supporting healthcare systems worldwide. The company offers a comprehensive portfolio of genetic testing services and clinical counselling, supported by certified diagnostic products and platforms.

At the core of its offering is the proprietary Technology Transfer Platform—an end-to-end genomics solution that enables partner laboratories worldwide to perform high-precision genetic tests in-house.

Medicover Genetics' CE-marked, IVDR-certified portfolio, developed through decades of clinical and medical expertise, includes VERACITY™, a non-invasive prenatal test (NIPT), and TarCET™, a suite of clinical assays addressing hereditary cancers, cardiovascular and metabolic disorders, infertility, neonatal conditions, and other critical health areas.

Driven by continuous research and development, Medicover Genetics is actively expanding into advanced areas such as liquid biopsy for therapy selection and minimal residual disease (MRD) testing. Its laboratories are CAP and ISO 15189 accredited, CLIA, ISO 9001, and ISO 13485 certified, and comply with GMP and GCP, ensuring the highest quality standards.

With a presence across Europe, Asia, and Africa, Medicover Genetics collaborates closely with laboratories and clinicians to deliver scalable, high-impact genetic solutions that support personalized medicine and enable informed clinical decision-making. [www.medicover-genetics.com](http://www.medicover-genetics.com)

**Medicover Genetics** is part of Medicover, a leading international healthcare and diagnostic services company founded in 1995 and listed on Nasdaq Stockholm. [www.medicover.com](http://www.medicover.com)

## MORE QUESTIONS?

If you have additional questions, please contact us at [info.genetics@medicover.com](mailto:info.genetics@medicover.com)



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