

BENEFITS OF TarCET IVD KITS

CE IVD certified assays

Comprehensive gene content

User-friendly and reliable workflows and protocols

Integration of multiple assays offering operational efficiency


Unified ecosystem, including software solutions and reporting

Scalable solutions for any sample volume

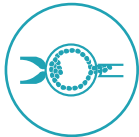
ASSAY MENU

Medicover Genetics **TarCET IVD kits** offer a unique and efficient solution to 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.


TarCET IVD KITS COVER THE FOLLOWING DISCIPLINES:




Reproductive Health




Preimplantation Genetic Testing (PGT)



Neonatal



Postnatal



Oncology

ABOUT MEDICOVER GENETICS

**Medicover Genetics** is a leading healthcare company specializing in genetic medicine, with more than 25 years of experience. **Medicover Genetics** offers genetic testing services and genetic counselling, proprietary CE-IVD marked solutions and a versatile Technology Transfer Platform. Active in over 30 countries across Europe, Asia, and Africa, we empower laboratories, healthcare professionals and patients to place genetics at the core of medical decisions. Committed to enhancing health and well-being, we provide meaningful, actionable diagnostic solutions, improving disease prognosis, clinical management, and therapy selection for genetic disorders. Our CAP-accredited, CLIA-, GMP- and ISO9001, 15189, and 13485 certified laboratories ensure the highest quality standards. [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 or concerns, please contact us at [info.genetics@medicover.com](mailto:info.genetics@medicover.com)





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MKT-TRC-DR-EN-V04



Multiple assays in a single run

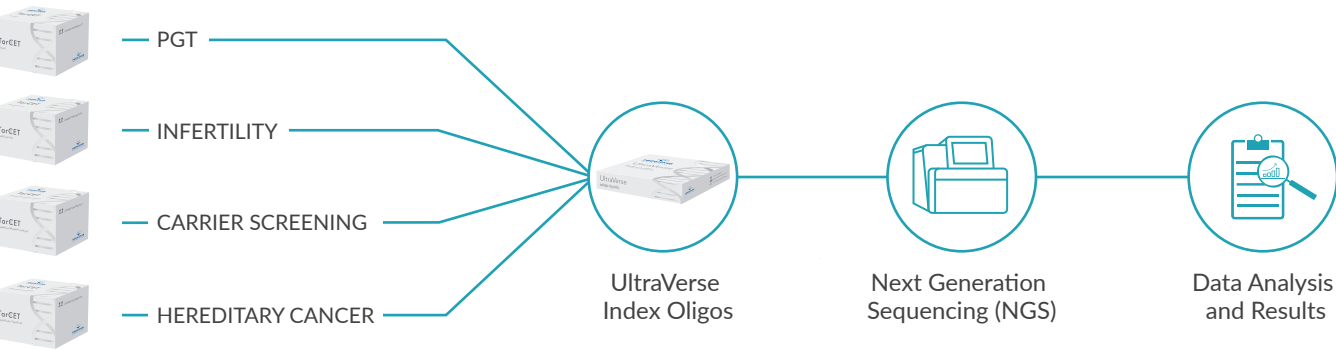


TarCET IVD KITS

Medicover Genetics **TarCET IVD kits** offer a wide range of reliable and easy to implement genetic testing solutions, providing accurate, fast and cost efficient detection of genetic variants. **TarCET IVD kits** are NGS-based, multi-gene kits that include reagents for a **universal library preparation** and **Target Capture Enrichment** workflow covering multiple disciplines such as oncology, postnatal, reproductive health, neonatal, and preimplantation genetic testing (PGT).

TarCET IVD kits allow combination of multiple assays in the same sequencing run optimizing operational efficiency and cost.

MULTIPLE ASSAYS IN ONE SINGLE RUN



Examples of TarCET IVD kits combination.

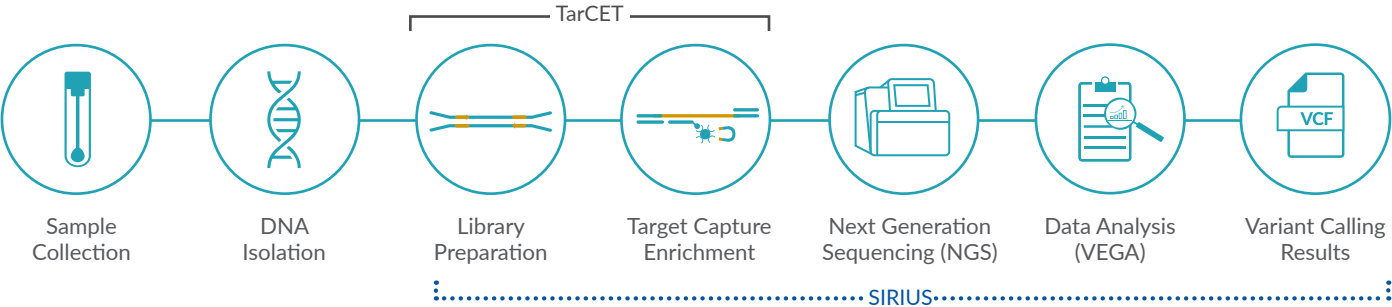
FEATURES & SPECIFICATIONS

- Universal protocol for all assays
  - Streamlined simple workflow
  - Universal sample input requirements
  - Automation compatibility
  - Scalable for any throughput laboratory
- Specimen type: Buccal swab (except PGT; blastomeres or blastocysts biopsies)
  - Mean coverage uniformity ≥ 20x: >97%
  - Proprietary bioinformatics
  - Unique dual-index combinations compatible with all TarCET IVD kits

QUALITY ASSURANCE

**TarCET IVD 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 genetic variants associated with diseases.

PROCESS WORKFLOW



PROPRIETARY BIOINFORMATICS SOLUTIONS

SIRIUS

**SIRIUS** is a genetic data management web application that enables users to manage information generated by NGS analysis when samples are being processed using **TarCET IVD kits** workflow. Additionally, **SIRIUS** facilitates the creation, calculation, and modification of sample batches corresponding to sequencing runs and interfaces with the Medicover Genetics analysis engine **VEGA**, to provide information on the analysis data in visual graphs and tabular formats.

VEGA

**VEGA** is a bioinformatics analysis software for samples that have been processed using **TarCET IVD kits**. **VEGA** analyzes NGS data generated by **TarCET IVD** workflow. The analysis detects single nucleotide variants, short insertions and/or deletions and copy number alterations. PGT analysis detects aneuploidies and structural rearrangements.

SUPPORT

Medicover Genetics offers on-going support to all **TarCET IVD kits** customers through dedicated technical support channels. Members of our team are always available to offer technical support on troubleshooting, quality and performance monitoring. Upon request, we provide customer **trainings** on workflow, protocol, and data analysis in our certified facilities.

OUR KITS

PRODUCT NAME	CATALOG NUMBER	DESCRIPTION
Carrier Screening Core Kit	ET114-00-2016	Analyzes <b>19 genes</b> in individuals with unknown carrier status.
Carrier Screening Comprehensive Kit	ET115-00-2016	Analyzes <b>228 genes</b> in individuals with unknown carrier status.
PGT Kit	ET102-00-2016	Detects <b>whole chromosome aneuploidies, structural rearrangements</b> and <b>segmental aneuploidies</b> down to 10Mb, <b>selected male polyploidies</b> , and <b>mosaicism</b> higher than 50%.
Hereditary Cancer Kit	ET111-00-2016	Analyzes <b>62 genes</b> and covers <b>24 cancer predisposing syndromes</b> associated with hereditary cancer.
Infertility Kit	ET112-00-2016	Analyzes <b>54 genes</b> in the female infertility panel and <b>39 genes</b> in the male infertility panel. <b>Structural</b> and <b>numerical abnormalities</b> on sex chromosomes are included in both panels.
Neonatal Kit	ET113-00-2016	Analyzes <b>140 genes</b> in symptomatic and pre-symptomatic infants.
Cardiac Comprehensive Kit	ET110-00-2016	Analyzes <b>292 genes</b> and covers major inherited cardiovascular disorders.
Cardiomyopathy Kit	ET105-00-2016	Analyzes <b>98 genes</b> and covers cardiomyopathy-related inherited cardiovascular disorders.
Arrhythmia Kit	ET104-00-2016	Analyzes <b>42 genes</b> and covers arrhythmia-related inherited cardiovascular disorders.
Aortopathy Kit	ET103-00-2016	Analyzes <b>48 genes</b> and covers aortopathy-related inherited cardiovascular disorders.
Congenital Heart Defects Kit	ET106-00-2016	Analyzes <b>80 genes</b> and covers inherited congenital heart defects.
FH, PH and RAS Kit	ET107-00-2016	Analyzes <b>11, 11, and 30 genes</b> and covers Familial Hypercholesterolemia (FH), Pulmonary Hypertension (PH) and RASopathy (RAS) related disorders respectively.
Metabolic Kit	ET101-00-2016	Analyzes <b>223 genes</b> and covers major classes of inherited metabolic disorders.
UltraVerse Index Oligos Type A	EU100-00-100A	<b>UltraVerse Index Oligos</b> include unique <b>dual index oligos</b> compatible with all TarCET IVD kits.
UltraVerse Index Oligos Type B	EU100-00-100B	
UltraVerse Index Oligos Type D	EU100-00-100D	
UltraVerse Index Oligos Type C	EU100-00-100C	

SCALABILITY

Each **TarCET IVD kit** contains reagents for 16 reactions with multiplexing capabilities up to 384 (4 x 96-index kits). Each **UltraVerse Index Oligos** kit includes 96 reactions.