LES mikrogen
REPRODUCTIVE GENETICS COMPANY

Expert in Reproductive Genetics

PGT-M / PGT-A / PGT-SR
Every biopsied embryos deserves genetic result

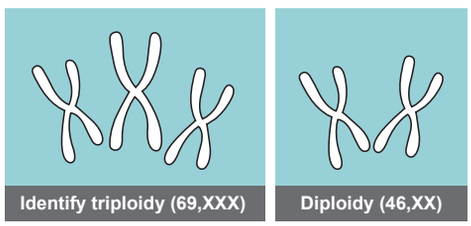
Custom-tailored approach enables reduction of **"no result"** embryos

PGT-A : 78.000 embryos

PGT-M: 3000 cases with more than 700 rare gene disorders

PGT-SR: "Detect <2 MB Segmental Aneuploidies with Enriched Amplification and Deep Coverage"

Premium PGT
Go Beyond Classic PGT-A



- On PGT-A plots, 69,XXX females appear identical to 46,XX ones– making them impossible to differentiate [1].
- Confidently identify ploidy status with SNP-based analysis.

How to go beyond classic PGT-A: Deliver premium PGT-A analysis

Identify triploidy (69,XXX)
- On PGT-A plots, 69,XXX females appear identical to 46,XX ones– making them impossible to differentiate
- Confidently identify ploidy status with SNP-based analysis.

Assess contamination risk
- Maternal cumulus cells can contaminate an embryo sample and potentially skew PGT-A results
- Prioritize low-risk samples with maternal contamination risk assessment

Track samples with sibling QC
- Sample mix-ups can happen; but with PGT-A, identifying the correct sample is critical.
- Sibling QC to identify genetically related embryos and lower the risk of sample mix-ups.

A single pool for **comprehensive coverage** of >500 SNP sites

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for all your reproductive genetic needs

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Empowering Health with Comprehensive Carrier Screening

Years of Experience supported by EU-Funded Projects, A Large Pan-Ethnic Patient Cohort

Population spesific gene integrity for Middle East and Türkiye.

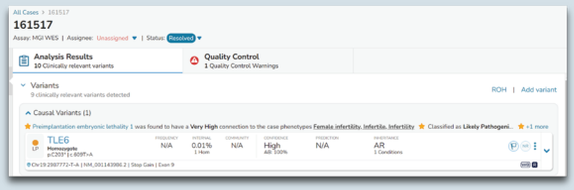
CarrierCheck specifically aims to address the needs of Middle Eastern populations

CarrierCheck is a comprehensive genetic screening test designed for the detection of diseases that are important to screen for in Türkiye and Middle Eastern populations. It offers high analytical performance and clinical validity, with a short application time. The test is optimized for identifying challenging regions using NGS and guarantees high-quality sequencing. It is adaptable to widely used NGS platforms and can be utilized by clinicians from various specialties.

Detects SMA with a specialized SMN1 gene copy number analysis algorithm, no additional molecular testing required.

Male & Female Infertility Test

Discovering the Infertility Blackhole: Comprehensive Tests for Male and Female Infertility



A new approach to uncovering the causes of infertility—moving beyond traditional methods Our NGS-based tests shed light on the genetic factors behind male and female infertility. With exome-based comprehensive test analyses, we can also reach research genes, using advanced bioinformatics programs to detect rare and previously unknown factors in male and female infertility.

Whole Exome Sequencing

Clear-cut, Easy-to-Interpret Reports for Reliable PGT and Prenatal Testing

By exploring undiagnosed genetic conditions, WES can provide vital insights for having healthy children. Even in cases where a molecular diagnosis hasn't been possible, WES reveals hidden mutations, helping to guide informed reproductive decisions and support the path to a healthy family.

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