PRICE LIST - GENETICS

GENNET

PREIMPLANTATION GENETIC TESTING - PGT

- **PGT of aneuploidy (PGT-A) and structural chromosomal abnormalities (PGT-SR) with NGS**

The examination is by default performed using NGS. Only in exceptional cases it may be performed using the array procedure due to operational and technical reasons of the laboratory. Cells for examination are collected from the blastocyst embryo (5 days old) and all embryos are cryopreserved by vitrification. The result of the analysis is available in 4 weeks. Embryo transfer to the uterus occurs only after thawing in the following cycle (dislocation). Vitrification of embryos is not included in the cost of the examination.

- **PGS examination of aneuploidy in a single embryo** **€ 311**
  - **PGT IN MONOGENIC DISEASES (PGT-M)**
    - **PGT-M using haplotype analysis (incl. PGT-A)**
      - **Preparation of haplotype analysis** **€ 777**
      - **Examination of a single embryo** **€ 388**
    - **PGT-M using karyomapping (incl. PGT-A)**
      - **Preparation for karyomapping** **€ 1,320**
      - **Examination of a single embryo** **€ 388**
- **PGT-SR USING FISH** **€ 1,700**
- **Only DNA amplification in a single embryo*** **€ 39**

** This examination shall be paid only if it is required separately (without PGS); in case of PGS, this price is not charged separately, it is already included. If PGS fails, only amplification will be charged.*

- **Biopsy** **€ 400**

PRENATAL DIAGNOSIS

- **INVASIVE PRENATAL DIAGNOSIS**

Examination of fetus using the cells obtained via amniocentesis (AMC), chorionic tissue biopsy (CVS), or cordocentesis.

- **Amniocentesis including ultrasound** **€ 124**
- **Chorionic Villus Sampling including ultrasound** **€ 163**
- **QF- PCR (chromosomes no. 21 + sexual X, Y)** **€ 136**
- **QF- PCR set (chromosomes no. 13, 18, 21 + sexual X, Y)** **€ 175**
- **Chromosomal tests after amniocentesis (AMC)** **€ 272**
- **Chromosomal analysis of chorionic tissue biopsy (CVS)** **€ 330**
- **Prenatal array (CGH or SNP)** **€ 524**

- **Premium prenatal package AMC complex** **€ 777**
  (AMC incl. UZ + QF-PCR complex + prenatal array)*

- **Premium prenatal package CVS complex** **€ 816**
  (CVS incl. UZ + QF-PCR + prenatal array)*

** In the case of pathology found using QF-PCR test, array will not be performed and only € 314 (AMC) or € 353 (CVS) will be charged*

- **Prenatal indirect DNA diagnostics** **€ 640**

NON-INVASIVE PRENATAL DIAGNOSIS

Examination of the fetus from the mother's blood sample.

- **PRENASCAN** **€ 485**
- **PRENASCAN PLUS** **€ 485**
  (Special offer - the price also includes ultrasound screening and the picture of the fetus)
- **Prenatal (non-invasive) paternity test** **€ 1,283**

MOLECULAR GENETIC TESTING

- **Preconception genetic testing – CarrierTest**
  (thrombophilia profile, examination of carrier dispositions for more than 60 AR and X-linked diseases, response to FSH stimulation)
  - **One partner** **€ 466**
  - **Both partners - test of genetic compatibility of the pair** **€ 854**
- **Mutations of the 35delG gene for Connexin 26 (AR hereditary deafness)** **€ 70**
- **Sequencing of the gene for Connexin 26 (AR hereditary deafness)** **€ 350**
- **Cystic fibrosis - 50 mutations + T(n)/TG(n) of the IVS8 *CFTR* gene** **€ 233**
- **Y microdeletions (AZFa, b, c, incl. SRY)** **€ 97**
- **Fragile X syndrome - FRAXA** **€ 233**
- **Spinal muscular atrophy (SMA) - deletion of the *SMN1* gene** **€ 175**
- **FSH receptor polymorphism (hormonal stimulation)** **€ 58**
- **Haemochromatosis - most common *HFE* gene mutation** **€ 97**
- **Coeliac disease - Detection of risk alleles / DQ2cis, DQ2trans and DQ8 haplotypes** **€ 85**
- **Detection of HLA-B27 (Bechterew disease)** **€ 58**
- **SPG3 complex** **€ 466**
- **SPG4 complex** **€ 466**
- **Examination of concept product** **€ 524**
  (miscarriage, stillbirth) using the QF-PCR method and array*

** In the case of pathology found using QF-PCR test, array will not be performed and only € 196 will be charged*

- **DNA isolation and banking** **€ 39**

■ PREDISPOSITION TO BLOOD CLOTTING

- □ ***F5* Leiden mutation (FVL** **€ 23**
- □ ***F2* prothrombin gene mutation (FII)** **€ 23**
- □ **2 thrombophilia mutations together (FVL + FII or 2 *MTHFR* mutations)** **€ 31**
- □ **2 thrombophilia mutations together STATIM (FVL + FII or 2 *MTHFR* mutations)** **€ 39**
- □ **4 thrombophilia mutations together (FVL + FII + 2 *MTHFR* mutations)** **€ 62**
- □ **Complete 5 thromb. mutations (FVL + FII + 2 *MTHFR* mutations + allele 4G *PAI-1*)** **€ 93**

■ PATERNITY TESTING

- □ **Paternity test with the agreement of the mother and the alleged father**

  (The results cannot be used for legal acts) **€ 97**

Price for one sample, incl. VAT (minimal measurement includes 2 samples - the child and the alleged father; optimal scenario is the examination of the trio - the child, the mother and the alleged father).

- □ **Expert paternity test on court orders**

  (The results are provided with an expert opinion, can be used for legal acts) **€ 583**

The price is provided for the complete examination of all samples. It is always necessary to perform the examination of the trio (the child - the mother - the alleged father)

Sampling is performed in the presence of a court expert.

- □ **Prenatal (non-invasive) paternity test** **€ 1,283**

The price is provided for the complete examination of all samples.

■ ONCOGENETIC TESTS (testing of cancer predispositions)

- □ **Complete testing of *BRCA1* and *BRCA2*** **€ 466**

Examination for the hereditary syndrome of breast and ovarian cancer via NGS (CZECANCA) and MLPA method

- □ **Innate predisposition to breast and ovarian cancer** **€ 777**

Examination of groups of genes ONKO1 and ONKO2 (20 genes in total - *BRCA1, BRCA2, CHEK2, TP53, PTEN, CDH1, PALB2, BRIP1, ATM, RAD51C, RAD51D, STK11, BARD1, NBN, MLH1, MSH2, MSH6, EPCAM, PMS2 and MUTYH*) using NGS procedure (the CZECANCA panel)

- □ **Innate predisposition to cancer of the colon and rectum** **€ 777**

ONKO2 gene group examination (genes *MLH1, MSH2, MSH6, EPCAM, MUTYH*) via NGS (CZECANCA) and MLPA method

- □ **Predictive examination of a single known mutation of one of the genes of the oncology group 1,2 or 3 (Sanger sequencing)** **€ 136**

Price for 1 sample, predictive tests must be performed from 2 independent samples

CYTOGENETIC TESTS

- □ **Karyotype examination from peripheral blood** **€ 194**
- □ **Evaluation of aberrations in the peripheral blood** **€ 117**
- □ **Long-term culture of cells of various tissues** **€ 194**

□ Illumina SNParray - evaluation of 1 sample	€ 97
□ Illumina SNParray - CHIP + chemical agents per 1 sample	€ 249
□ Illumina SNParray - scanning 1 - 24 samples*	€ 220
□ Illumina SNParray - processing of 1 sample	€ 39
□ DNA fragmentation of sperm (Halosperm) – with Czech insurance	€ 78
□ DNA fragmentation of sperm (Halosperm) – without Czech insurance	€ 100

** If the client orders only scanning of 1-24 samples, VAT is added to the price.*

CONSULTATION WITH A CLINICAL GENETICIST (Czech)	
□ Initial genetic counselling (indicator)	€ 47
□ Final genetic counselling (with the results and diagnosis)	€ 66
□ Control genetic counselling (screening interpretation)	€ 10

CONSULTATION WITH A CLINICAL GENETICIST (English)	€ 78