ΑΙΜΟΔΙΑΓΝΩΣΗ
ΙΩΑΝΝΙΝΩΝ Α.Ε.

Molecular Biology tests

Karyotype

Peripheral blood karyotype

Peripheral blood karyotype of couple

High definition molecular karyotype

Thrombophilia

FV Leiden	Detection of the Factor V mutation (V Leiden) (G1691A or R506Q)
FII G20210A	Detection of the Prothrombin Mutation (Factor II)
MTHFR, A1298C	Detection of the Homocysteinemia gene mutation 1298C
MTHFR, C677T	Detection of the Homocysteinemia gene mutation 677T
R2 FV H1299R	Detection of factor V mutation (R2 H1299R)
GPIα	Detection of Platelet Glycoprotein Polymorphism (GPIα, C807T)
ApoE	Detection of Apolipoprotein E gene mutation (E2 / E3 / E4)

Thrombophilia package (Detection of 4 mutations)

- FV Leiden
- FII - G20210A
- MTHFR - A1298C
- MTHFR - C677T

Thrombophilia package (Simultaneous detection of 12 mutations)

- FV Leiden
- FII G20210A
- MTHFR - A1298C
- MTHFR - C677T
- R2 FV H1299R
- Factor XIII – V34L
- Fibrinogen-β – 455G>A
- Platelet glycoprotein polymorphism (GPIIIa L33P, HPA-1a / b)
- Plasminogen inhibitor mutation (PAI-1, 675 4G / 5G)
- Angiotensin converting enzyme mutation (ACE I / D)
- Apolipoprotein B mutation (APO B R35OOQ)
- Mutation Apolipoprotein E (E2 / E3 / E4, codons 112/158)

Thrombophilia 13 package (Simultaneous detection of 13 mutations)

- FV Leiden
- FII G20210A
- MTHFR - A1298C
- MTHFR - C677T
- R2 FV H1299R
- Factor XIII – V34L
- Fibrinogen-β – 455G>A
- Platelet glycoprotein polymorphism (GPIIIa L33P, HPA-1a / b)
- Plasminogen inhibitor mutation (PAI-1, 675 4G / 5G)
- Angiotensin converting enzyme mutation (ACE I / D)
- Apolipoprotein B mutation (APO B R35OOQ)
- Mutation Apolipoprotein E (E2 / E3 / E4, codons 112/158)

- GPIα Detection of Platelet Glycoprotein Polymorphism (GPIα, C807T))

M chromosome deficiency molecular detection (delY)

Molecular detection of Spinal Muscular Atrophy (SMA)

Molecular hemochromatosis test (19 mutations in HFE, TFR2, FPN, HJV genes)

Molecular detection of familial Mediterranean fever (most common mutations)

Molecular detection of non-syndromic residual hearing loss (35 delG connexin 26)

Molecular detection of Duchenne-Becker muscular dystrophy

Mutation JAK2 (Janus Kinase 2), V617F

Cystic fibrosis

Complete gene analysis of cystic fibrosis

DF508 mutation detection of the cystic fibrosis gene

Detection of 59 mutations in the cystic fibrosis gene (85%)

Detection of 51 mutations in the cystic fibrosis gene (80%)

Detection of 36 mutations in the cystic fibrosis gene (75%)

Detection of 19 mutations in the cystic fibrosis gene (64%)

Hereditary diseases - Genetic markers

HLA-B27 Histocompatibility Antigen

HLA-DQ2 και HLA-DQ8

HLA-DQB1

HLA-DQA1

HLA-DPB

HLA-B

HLA-A

HLA-Cw

HLA-DRB1

Viruses - Infectious agents

Detection of DNA of atypical mycobacteria

Detection of Mycobacterium tuberculosis DNA (M. tuberculosis, MTB)

DNA Detection by Herpes Simplex PCR, HSV-1/2 (Herpes Simplex Viruses)

Detection of Cytomegalovirus DNA (Herpes 5) by PCR, CMV (HHV)

Molecular determination of the Hepatitis C virus Genotype

DNA detection by Toxoplasma PCR

Rubella RNA detection by PCR (Rubella RNA)

West Nile virus RNA detection by PCR

Epstein Barr virus DNA assay

HBV-DNA (Qualitative measurement) and (viral load)

HCV-RNA (Qualitative measurement) and (viral load)

Molecular investigation of sexually transmitted diseases

PACKAGE: DNA detection by Real Time PCR

• Chlamydia trachomatis

• Mycoplasma genitallium

• Mycoplasma hominis

• Ureaplasma (parvum & urealyticum)

Mycoplasma hominis DNA detection

Mycoplasma hominis DNA detection in menstrual blood sample

Ureaplasma DNA detection urealyticum

Detection of Ureaplasma urealyticum DNA in period tissue

Detection of trachoma chlamydia DNA

DNA detection of trachoma chlamydia in period tissue

Sexually transmitted diseases package: DNA detection by Real Time PCR

- Chlamydia trachomatis
- Mycoplasma genitallium
- Mycoplasma hominis
- Ureaplasma (parvum & urealyticum)
- Trichomonas vaginalis
- Neisseria gonorrhoeae

HPV DNA

Virus and genotype detection of HPV viruses

Virus and genotype detection of HPV viruses with High Risk

Detection the HPV viruses with high oncogenic capacity (high risk)

Genotyping the HPV viruses with high oncogenic capacity (high risk)