Molecular Genetics

Cardiovascular diseases (CVD) are lifethreatening conditions which affect up to 10% of the human population. Thrombotic complications, such as an acute myocardial infarction, ischemic stroke, pulmonary embolism, deep venous thrombosis are the major causes of morbidity and mortality in the world. A wide spectrum of CVD with inherited genetic susceptibilities is now known and genetic susceptibility may be caused by mutations and single nucleotide polymorphisms in a variety of genes mainly involved in blood coagulation, regulation of blood pressure, and metabolism of lipids, glucose, homocysteine or iron.
Among the cardiovascular diseases markers have important role variations in the genes for blood coagulation factors V (**FV**), II (**protrombin**), XIII (**FXIII**), plasminogen activator inhibitor-1 (**PAI-1**), methylenetetrahydrofolate reductase (**MTHFR**), apolipoprotein B (**Apo B**), platelet glycoprotein IIIa (**GPIIIa**), ß-fibrinogen (**FGB**)
Moreover, an increased tendency to develop thrombosis, called also “thrombophilia”, underlies the significant proportion of cases in the most common obstetric complications (recurrent pregnancy loss, fetal growth retardation, preeclampsia, abruptio placentae).

Coagulation / Fibrinolysis System

T01001-96-S SA,iQ,MX,A	**Cardio Trombophilia Panel** RT-PCR kit for detection of 8 mutations (F2 20210 G>A, F5 1691 G>A (Arg506Gln), F710976 G>A (Arg353Gln), F13 G>T (Val34Leu), FGB -455 G>A, ITGA2 807 C>T (Phe224Phe), ITGB3 1565 T>C(Leu33Pro), SERPINE1(PAI1) -675 5G>4G) in ready to use ***12 x 8 strip format***	**R**		12
T01002-96-S SA,iQ,MX,A	**Folates Methabolism Panel** RT-PCR kit for detection of 4 mutations: MTHFR 677 C>T (Ala222Val), MTHFR 1298A>C (Glu429Ala), MTR 2756 A>G (Asp3919Gly), MTRR 66 A>G (Ile22Met) in ready to use ***12 x 8 strip format***	**R**		24
T01101-50-T SA,RG,iQ,MX,A,B	**FV (G1691A) Leiden SNP-Screen** RT-PCR test for detection of Leiden mutation (Arg506Gln; rs6025) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01101-96-S SA,iQ,MX,A,B	**FV (G1691A) Leiden SNP-Screen** RT-PCR test for detection of Leiden mutation (Arg506Gln; rs6025) - ready to use ***12 x 8 strip format***	**R**	CE	96
T01102-50-T SA,RG,iQ,MX,A,B	**FII Protrombin (G20210A) SNP-Screen** RT-PCR test for detection of prothrombin F2 gene mutation (rs1799963) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01102-96-S SA,RG,iQ,MX,A,B	**FII Protrombin (G20210A) SNP-Screen** RT-PCR test for detection of prothrombin F2 gene mutation (rs1799963) - ready to use ***12 x 8 strip format***	**R**	CE	96
T01105-50-T SA,RG,iQ,MX,A,B	**FVII (G1238A) SNP-Screen** RT-PCR test for detection of FVII gene mutation (Arg353Gln; rs6046) - ready to use ***0,2 ml tube format***	**R**		60
T01105-96-S SA,RG,iQ,MX,A,B	**FVII (G1238A) SNP-Screen** RT-PCR test for detection of FVII gene mutation (Arg353Gln; rs6046) - ready to use ***12 x 8 strip format***	**R**		96
T01103-50-T SA,RG,iQ,MX,A,B	**MTHFR (C677T) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Ala222Val; rs1801133) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01103-96-S SA,iQ,MX,A,B	**MTHFR (C677T) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Ala222Val; rs1801133) - ready to use ***12 x 8 strip format***	**R**	CE	96

Coagulation / Fibrinolysis System

T01273-50-T SA,RG,iQ,MX,A,B	**MTHFR (A1298C) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Glu429Ala; Rs1801131) - ready to use ***0,2 ml tube format***	**R**	60
T01273-96-S SA,RG,iQ,MX,A,B	**MTHFR (A1298C) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Glu429Ala; Rs1801131) - ready to use ***12 x 8 strip format***	**R**	96
T01124-50-T SA,RG,iQ,MX,A,B	**MTRR (A 66 G) SNP-Screen** RT-PCR test for detection of methioninesynthase gene mutation (Ile22Met; rs1801394) - ready to use ***0,2 ml tube format***	**R**	60
T01124-96-S SA,RG,iQ,MX,A,B	**MTRR (A 66 G) SNP-Screen** RT-PCR test for detection of methioninesynthase gene mutation (Ile22Met; rs1801394) - ready to use ***12 x 8 strip format***	**R**	96
T01143-50-T SA,RG,iQ,MX,A,B	**MTR (A2756G) SNP-Screen** RT-PCR test for detection of methionine synthase gene mutation (Asp919Gly; rs1805087) - ready to use ***0,2 ml tube format***	**R**	60
T01143-96-S SA,RG,iQ,MX,A,B	**MTR (A2756G) SNP-Screen** RT-PCR test for detection of methionine synthase gene mutation (Asp919Gly; rs1805087) - ready to use ***12 x 8 strip format***	**R**	96
T01120-50-T SA,RG,iQ,MX,A,B	**PAI SERPINE (-675 5G/4G) SNP-Screen** RT-PCR test for detection of insertion/deletion polymorphism of SERPINE1 or plasminogen activator inhibitor type 1 gene (rs1799768) - ready to use ***0,2 ml tube format***	**R**	60
T01120-96-S SA,RG,iQ,MX,A,B	**PAI SERPINE (-675 5G/4G) SNP-Screen** RT-PCR test for detection of insertion/deletion polymorphism of SERPINE1 or plasminogen activator inhibitor type 1 gene (rs1799768) - ready to use ***12 x 8 strip format***	**R**	96
T01107-50-T SA,RG,iQ,MX,A,B	**FGB (G-455A) SNP-Screen** RT-PCR test for detection of fibrinogen beta gene (rs1800790) - ready to use ***0,2 ml tube format***	**R**	60
T01107-96-S SA,RG,iQ,MX,A,B	**FGB (G-455A) SNP-Screen** RT-PCR test for detection of fibrinogen beta gene (rs1800790) - ready to use ***12 x 8 strip format***	**R**	96
T01356-50-T SA,RG,iQ,MX,A,B	**FXII (C -4T) SNP-Screen** RT-PCR test for detection of factor XII gene mutation (rs1801020) - ready to use ***0,2 ml tube format***	**R**	60
T01356-96-S SA,RG,iQ,MX,A,B	**FXII (C -4T) SNP-Screen** RT-PCR test for detection of factor XII gene mutation (rs1801020) - ready to use ***12 x 8 strip format***	**R**	96
T01355-50-T SA,RG,iQ,MX,A,B	**FXIII (V35L) SNP-Screen** RT-PCR test for detection of factor XIII A1 gene mutation (Val35Leu; rs5985) - ready to use ***0,2 ml tube format***	**R**	60
T01355-96-S SA,iQ,MX,A,B	**FXIII (V35L) SNP-Screen** RT-PCR test for detection of factor XIII A1 gene mutation (Val35Leu; rs5985) - ready to use ***12 x 8 strip format***	**R**	96

Coagulation / Fibrinolysis System

T01155-50-T SA,RG,iQ,MX,A,B	**ITGA2 (C807T) SNP-Screen** RT-PCR test for detection of Integrin alpha2 gene mutation (Phe224Phe;rs1126643) - ready to use ***0,2 ml tube format***	**R**	60
T01155-96-S SA,iQ,MX,A,B	**ITGA2 (C807T) SNP-Screen** RT-PCR test for detection of Integrin alpha2 gene mutation (Phe224Phe;rs1126643) - ready to use ***12 x 8 strip format***	**R**	96
T01106-50-T SA,RG,iQ,MX,A,B	**ITGB3 (T176C) SNP-Screen** RT-PCR test for detection of Integrin beta-3 gene mutation (Leu33Pro; rs5918) - ready to use ***0,2 ml tube format***	**R**	60
T01106-96-S SA,iQ,MX,A,B	**ITGB3 (T176C) SNP-Screen** RT-PCR test for detection of Integrin beta-3 gene mutation (Leu33Pro; rs5918) - ready to use ***12 x 8 strip format***	**R**	96
T01179-50-T SA,RG,iQ,MX,A,B	**GPIBA1b (C482T) SNP-Screen** RT-PCR test for detection of platelet glycoprotein Ibα gene mutation (Thr145 Met; rs6065) - ready to use ***0,2 ml tube format***	**R**	60
T01179-96-S SA,iQ,MX,A,B	**GPIBA1b (C482T) SNP-Screen** RT-PCR test for detection of platelet glycoprotein Ibα gene mutation (Thr145 Met; rs6065) - ready to use ***12 x 8 strip format***	**R**	96
T01354-50-T SA,RG,iQ,MX,A,B	**GPIBA1b (T -5C) SNP-Screen** RT-PCR test for detection of platelet glycoprotein Ibα gene mutation (Kozak sequence polymorphism; rs2243093) - ready to use ***0,2 ml tube format***	**R**	60
T01354-96-S SA,iQ,MX,A,B	**GPIBA1b (T -5C) SNP-Screen** RT-PCR test for detection of platelet glycoprotein Ibα gene mutation (Kozak sequence polymorphism; rs2243093) - ready to use ***12 x 8 strip format***	**R**	96
T01357-50-T SA,RG,iQ,MX,A,B	**SELPLG (G186A) SNP-Screen** RT-PCR test for detection selectin P ligand gene mutation (Met62Ile; rs2228315) - ready to use ***0,2 ml tube format***	**R**	60
T01357-96-S SA,iQ,MX,A,B	**SELPLG (G186A) SNP-Screen** RT-PCR test for detection selectin P ligand gene mutation (Met62Ile; rs2228315) - ready to use ***12 x 8 strip format***	**R**	96

Hemochromatosis

Hemochromatosis or HFE-related hereditary hemochromatosis is a hereditary disease characterized by excessive intestinal absorption of dietary iron resulting in a pathological increase in total body iron stores. Most patients with the manifest of hereditary hemochromatosis are homozygous for the Cys282Tyr mutation, and a small proportion are heterozygous for both the Cys282Tyr and His63Asp (rs1799945 C/G or H63D) mutation of the HFE gene. There is evidence that 63Asp allele may confer some advantage in endurance sport performance.

Hemochromatosis

HM-1-50FRT SA	**Hemochromatosis Real-TM** Real Time PCR test panel for detection of HFE gene mutations	**R**	50
S01191-50FRT SA,RG,iQ,MX,A,B	**HFE His63Asp** NEW Real Time PCR test panel for detection of HFE mutation His63Asp	**R**	50
S01192-50FRT SA,RG,iQ,MX,A,B	**HFE Ser65Cys** NEW Real Time PCR test panel for detection of HFE gene mutation Ser65Cys	**R**	50
S01193-50FRT SA,RG,iQ,MX,A,B	**HFE Cys282Tyr** NEW Real Time PCR test panel for detection of HFE gene mutation Cys282Tyr	**R**	50

Pharmacogenetics

Pharmacogenetics is the study of genetic differences in metabolic pathways which can affect individual responses to drugs, both in terms of therapeutic effect and adverse effects.

Warfarin (also known by the brand names Coumadin, Jantoven, Marevan, Uniwarfin) is an anticoagulant normally used in the prevention of thrombosis and thromboembolism, the formation of blood clots in the blood vessels and their migration elsewhere in the body, respectively. Polymorphisms in two genes, VKORC1 and CYP2C9, can affect the sensitivity of an individual patient to warfarin.

Warfarin Sensitivity

T01104-50-T SA,RG,iQ,MX,A,B	**CYP2C9*2 (C430T) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (Arg144Cys; rs1799853) - ready to use ***0,2 ml tube format***	**R**	60
T01104-96-S SA,iQ,MX,A,B	**CYP2C9*2 (C430T) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (Arg144Cys; rs1799853) - ready to use ***12 x 8 strip format***	**R**	96
T01111-50-T SA,RG,iQ,MX,A,B	**CYP2C9*3 (A1075C) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (Ile359Leu; rs1057910) - ready to use ***0,2 ml tube format***	**R**	60
T01111-96-S SA,iQ,MX,A,B	**CYP2C9*3 (A1075C) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (Ile359Leu; rs1057910) - ready to use ***12 x 8 strip format***	**R**	96
T01144-50-T SA,RG,iQ,MX,A,B	**VKORC1 (C1173T) SNP-Screen** RT-PCR test for detection Vitamin K epoxide reductase complex subunit 1 gene mutation, Warfarin sensitivity (rs9934438) - ready to use ***0,2 ml tube format***	**R**	60
T01144-96-S SA,iQ,MX,A,B	**VKORC1 (C1173T) SNP-Screen** RT-PCR test for detection Vitamin K epoxide reductase complex subunit 1 gene mutation, Warfarin sensitivity (rs9934438) - ready to use ***12 x 8 strip format***	**R**	96
T01145-50-T SA,RG,iQ,MX,A,B	**VKORC1 (G3730A) SNP-Screen** RT-PCR test for detection Vitamin K epoxide reductase complex subunit 1 gene mutation, Warfarin resistance (rs7294) - ready to use ***0,2 ml tube format***	**R**	60
T01145-96-S SA,iQ,MX,A,B	**VKORC1 (G3730A) SNP-Screen** RT-PCR test for detection Vitamin K epoxide reductase complex subunit 1 gene mutation, Warfarin resistance (rs7294) - ready to use ***12 x 8 strip format***	**R**	96

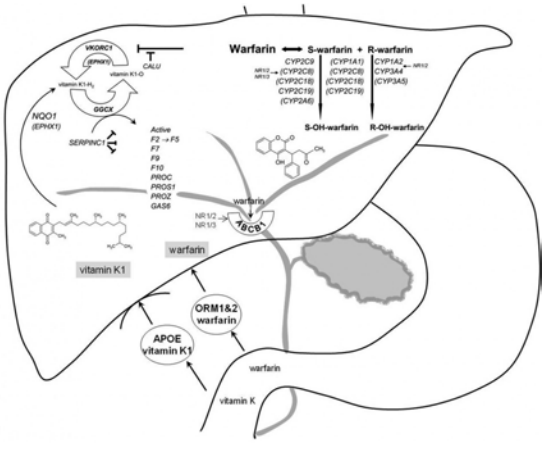


Fig. Warfarin mechanism of action

Clopidogrel (Plavix)

The anti-platelet agent clopidogrel bisulfate (sold under the trade name Plavix or Clopidogrel) is a widely prescribed medication for the prevention of blood clots in patients with acute coronary syndrome. This drug requires activation by CYP2C19, therefore individual carriers of alleles with reduced activity like CYP2C19*2 and CYP2C19*3 are likely at risk of therapeutic failure.

T01323-50-T SA,RG,iQ,MX,A,B	**CYP2C19*2 (G681A) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (rs4244285) - ready to use ***0,2 ml tube format***	**R**	60
T01323-96-S SA,iQ,MX,A,B	**CYP2C19*2 (G681A) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (rs4244285) - ready to use ***12 x 8 strip format***	**R**	96
T01324-50-T SA,RG,iQ,MX,A,B	**CYP2C19*3 (G636A) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (rs4986893) - ready to use ***0,2 ml tube format***	**R**	60
T01324-96-S SA,iQ,MX,A,B	**CYP2C19*3 (G636A) SNP-Screen** RT-PCR test for detection of CYP2C19 gene mutation (rs4986893) - ready to use ***12 x 8 strip format***	**R**	96

Tacrolimus (FK-506 or Fujimycin)

Tacrolimus, also known as FK-506 or Fujimycin, is the generic name for a calcineurin inhibitor drug. It is an immunosuppressive agent for treating autoimmune disease, including myasthenia gravis and rheumatoid arthritis, as well as for preventing allograft rejection in organ transplantation. Tacrolimus is primarily metabolized by CYP3A5. CYP3A5*3 is a nonfunctional variant, so heterozygous and especially homozygous carriers of this allele tend not to break down tacrolimus as much as normal allele, leading to higher blood concentrations of tacrolimus in these (CYP3A5*3) individuals.

T01331-50-T SA,RG,iQ,MX,A,B	**CYP3A5*3 (G6986A) SNP-Screen** RT-PCR test for detection of CYP3A5 gene mutation (rs776746) - ready to use ***0,2 ml tube format***	**R**	60
T01331-96-S SA,iQ,MX,A,B	**CYP3A5*3 (G6986A) SNP-Screen** RT-PCR test for detection of CYP3A5 gene mutation (rs776746) - ready to use ***12 x 8 strip format***	**R**	96

Statins

The SLCO1B1 gene encodes for the organic anion transporting polypeptide 1B1 (OATP1B1), an influx transporter produced in the liver that mediates the hepatic uptake and metabolism of statins.
Inherited variations in the SLCO1B1 gene known as SNPs (single nucleotide polymorphisms) affect the function of this transporter. The presence of this variant, especially in homozygotes, results in significantly decreased ability to take up statins, less effectiveness of the statin in lowering LDL-C, higher blood levels after dosing, and an increased risk of myopathy. Studies show that people who have particular inherited variations on the SLCO1B1 gene are four- to 17-times more likely to suffer myopathy as a side effect.

T01303-50-T SA,RG,iQ,MX,A,B	**SLCO1B1 (T37041C) SNP-Screen** RT-PCR test for detection of SLCO1B1 gene mutation (Val174Ala; rs4149056) - ready to use ***0,2 ml tube format***	**R**	60
T01303-96-S SA,iQ,MX,A,B	**SLCO1B1 (T37041C) SNP-Screen** RT-PCR test for detection of SLCO1B1 gene mutation (Val174Ala; rs4149056) - ready to use ***12 x 8 strip format***	**R**	96

Diabetes and obesity

Obesity is a medical condition in which excess body fat has accumulated to the extent that it may have a negative effect on health, leading to reduced life expectancy and/or increased health problems. Obesity increases the likelihood of various diseases, particularly heart disease, type 2 diabetes, obstructive sleep apnea, certain types of cancer, and osteoarthritis. Obesity is most commonly caused by a combination of excessive food energy intake, lack of physical activity, and genetic susceptibility.

Diabetes and obesity

T01335-50-T SA,RG,iQ,MX,A,B	**PPARG2 (C34G) SNP-Screen** Real Time PCR test for detection of Peroxisome Proliferator-Activated Receptor-Gamma-2 gene mutation (Pro12Ala, rs1801282) - ready to use ***0,2 ml tube format***	**R**	60
T01335-96-S SA,iQ,MX,A,B	**PPARG2 (C34G) SNP-Screen** Real Time PCR test for detection of Peroxisome Proliferator-Activated Receptor-Gamma-2 gene mutation (Pro12Ala, rs1801282) - ready to use ***12 x 8 strip format***	**R**	96
T01358-50-T SA,RG,iQ,MX,A,B	**ADRB2 (C5318G) SNP-Screen** RT-PCR test for detection adrenoceptor beta 2, surface gene (Gln27Glu, rs1042714) - ready to use ***0,2 ml tube format***	**R**	60
T01358-96-S SA,iQ,MX,A,B	**ADRB2 (C5318G) SNP-Screen** RT-PCR test for detection adrenoceptor beta 2, surface gene (Gln27Glu, rs1042714) - ready to use ***12 x 8 strip format***	**R**	96
T01359-50-T SA,RG,iQ,MX,A,B	**ADRB2 (G46A) SNP-Screen** RT-PCR test for detection adrenoceptor beta 2, surface gene (Arg16Gly,rs1042713) - ready to use ***0,2 ml tube format***	**R**	60
T01359-96-S SA,iQ,MX,A,B	**ADRB2 (G46A) SNP-Screen** RT-PCR test for detection adrenoceptor beta 2, surface gene (Arg16Gly,rs1042713) - ready to use ***12 x 8 strip format***	**R**	96
T01360-50-T SA,RG,iQ,MX,A,B	**ADRB3 (T190C) SNP-Screen** RT-PCR test for detection of β-adrenergic receptor genes mutation (Trp64Arg, rs4994) - ready to use ***0,2 ml tube format***	**R**	60
T01360-96-S SA,iQ,MX,A,B	**ADRB3 (T190C) SNP-Screen** RT-PCR test for detection of β-adrenergic receptor genes mutation (Trp64Arg, rs4994) - ready to use ***12 x 8 strip format***	**R**	96
T01361-50-T SA,RG,iQ,MX,A,B	**FABP2 (A163G) SNP-Screen** RT-PCR test for detection of Fatty Acid Binding Protein 2 gene (Ala54Thr, rs1799883) - ready to use ***0,2 ml tube format***	**R**	60
T01361-96-S SA,iQ,MX,A,B	**FABP2 (A163G) SNP-Screen** RT-PCR test for detection of Fatty Acid Binding Protein 2 gene (Ala54Thr, rs1799883) - ready to use ***12 x 8 strip format***	**R**	96
T01329-50-T SA,RG,iQ,MX,A,B	**FTO (A23525T) SNP-Screen** RT-PCR test for detection of FTO gene mutation (rs9939609) - ready to use ***0,2 ml tube format***	**R**	60
T01329-96-S SA,iQ,MX,A,B	**FTO (A23525T) SNP-Screen** RT-PCR test for detection of FTO gene mutation (rs9939609) - ready to use ***12 x 8 strip format***	**R**	96
T01372-96-S SA,iQ,MX,A,B	**Obesity & Diabetes Screen** NEW Real Time PCR test for detection of PPARG Pro12Ala,ADRB2 Gln27Glu and Arg16Gly, ADRB3 Trp64Arg, FABP2 Ala54Thr, LPLHindIII, INS -23Hpl, FTO gene mutations - ready to use **12 x 8 strip format**	**R**	12

Hepatitis C treatment prognosis

Chronic infection with hepatitis C virus (HCV) affects 170 million people worldwide and is the leading cause of cirrhosis in North America. Although the recommended treatment for chronic infection involves a 48-week course of peginterferon-α-2b (PegIFN-α-2b) or -α-2a (PegIFN-α-2a) combined with ribavirin (RBV), it is well known that many patients will not be cured by treatment.
Recent research has shown that genetic variation in the IL28B gene predicts both chronicity of HCV infection and sustained virological response (SVR) to antiviral standard therapy.
Single nucleotide polymorphisms (SNPs) near **interleukin-28B (IL-28B)** gene were shown to be highly associated with treatment response (SVR) in patients with chronic hepatitis C virus (HCV) infection.

Hepatitis C treatment prognosis

R05-100FRT SA,RG,iQ,SC,MX,A,B	**IL28B rs17 / rs60 Real-TM** RT-PCR test for detection of Interleukin mutations	**R**	CE	100
T01349-50-T SA,RG,iQ,MX,A,B	**IL28B (T>G) SNP-Screen** RT-PCR test for detection of Interleukin mutation 1 (rs8099917) - ready to use ***0,2 ml tube format***	**R**		60
T01349-96-S SA,iQ,MX,A,B	**IL28B (T>G) SNP-Screen** RT-PCR test for detection of Interleukin mutation 1 (rs8099917) - ready to use ***12 x 8 strip format***	**R**		96
T01371-50-T SA,RG,iQ,MX,A,B	**IL28B (C>T) SNP-Screen** RT-PCR test for detection of Interleukin mutation 2 (rs12979860) - ready to use ***0,2 ml tube format***	**R**		60
T01371-96-S SA,iQ,MX,A,B	**IL28B (C>T) SNP-Screen** RT-PCR test for detection of Interleukin mutation 2 (rs12979860) - ready to use ***12 x 8 strip format***	**R**		96

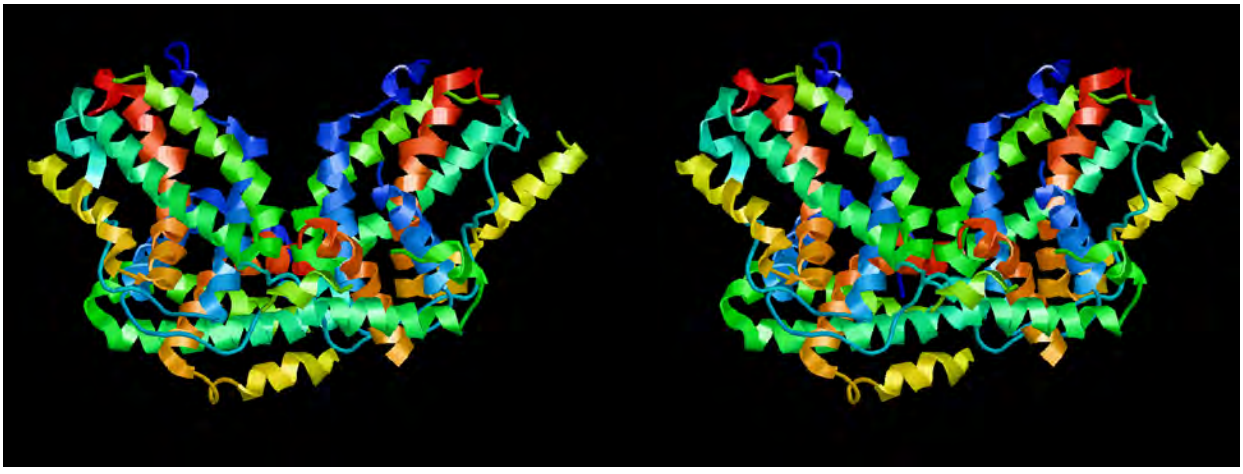


Fig. 3D image of IL28B protein structure

Hypertension

Hypertension (HTN) or high blood pressure, sometimes called arterial hypertension, is a chronic medical condition in which the blood pressure in the arteries is elevated. Blood pressure is summarised by two measurements, systolic and diastolic, which depend on whether the heart muscle is contracting (systole) or relaxed between beats (diastole). As of 2000, nearly one billion people or ~26% of the adult population of the world had hypertension. It was common in both developed (333 million) and undeveloped (639 million) countries. In Europe hypertension occurs in about 30-45% of people as of 2013.
Genes most involved in Hypertension are the ones coding for angiotensin (**AGT**), Nitric oxide synthase 3 (**NOS3**) and Angiotensin Receptor (**AGTR**).
A genetic variant of the AGT gene leads to increased production of angiotensinogen. Therefore, carriers of this AGT variant have a higher risk for hypertension.
Nitric oxide is catalyzed by endothelial nitric oxide synthase (NOS), an enzyme with multiple genetic variants that might confer risk for hypertension. Single Nucleotide Polymorphism C786T has been associated with hypertension.
Polymorphism in the angiotensin II type 1 receptor (AGTR) gene is associated with the incidence of essential hypertension and increased coronary artery vasoconstriction.

Hypertension

T01118-50-T SA,RG,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***0,2 ml tube format***	**R**	60
T01118-96-S SA,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***12 x 8 strip format***	**R**	96
T01119-50-T SA,RG,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***0,2 ml tube format***	**R**	60
T01119-96-S SA,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***12 x 8 strip format***	**R**	96
T01182-50-T SA,RG,iQ,MX,A,B	**NOS3 (C786T) SNP-Screen** RT-PCR test for detection of Nitric oxide synthase 3 mutation (rs2070744) - ready to use ***0,2 ml tube format***	**R**	60
T01182-96-S SA,iQ,MX,A,B	**NOS3 (C786T) SNP-Screen** RT-PCR test for detection of Nitric oxide synthase 3 mutation (rs2070744) - ready to use ***12 x 8 strip format***	**R**	96
T01131-50-T SA,RG,iQ,MX,A,B	**AGTR1 (A1166C) SNP-Screen** RT-PCR test for detection of angiotensin II receptor, type 1 mutation (rs5186) - ready to use ***0,2 ml tube format***	**R**	60
T01131-96-S SA,iQ,MX,A,B	**AGTR1 (A1166C) SNP-Screen** RT-PCR test for detection of angiotensin II receptor, type 1 mutation (rs5186) - ready to use ***12 x 8 strip format***	**R**	96
T01272-50-T SA,iQ,MX,A,B	**ACE Alu Ins/Del SNP-Screen** NEW RT-PCR test for detection of ACE Insertion / Deletion I > D (rs4646994) - ready to use ***0,2 ml tube format***	**R**	60
T01272-96-S SA,iQ,MX,A,B	**ACE Alu Ins/Del SNP-Screen** NEW RT-PCR test for detection of ACE Alu Insertion / Deletion I > D (rs4646994) - ready to use ***12 x 8 strip format***	**R**	60

Myocardial infarction / Ischemic stroke

Thrombotic complications, such as an acute myocardial infarction, ischemic stroke, pulmonary embolism, deep venous thrombosis are the major causes of morbidity and mortality in the world.

Myocardial infarction / Ischemic stroke

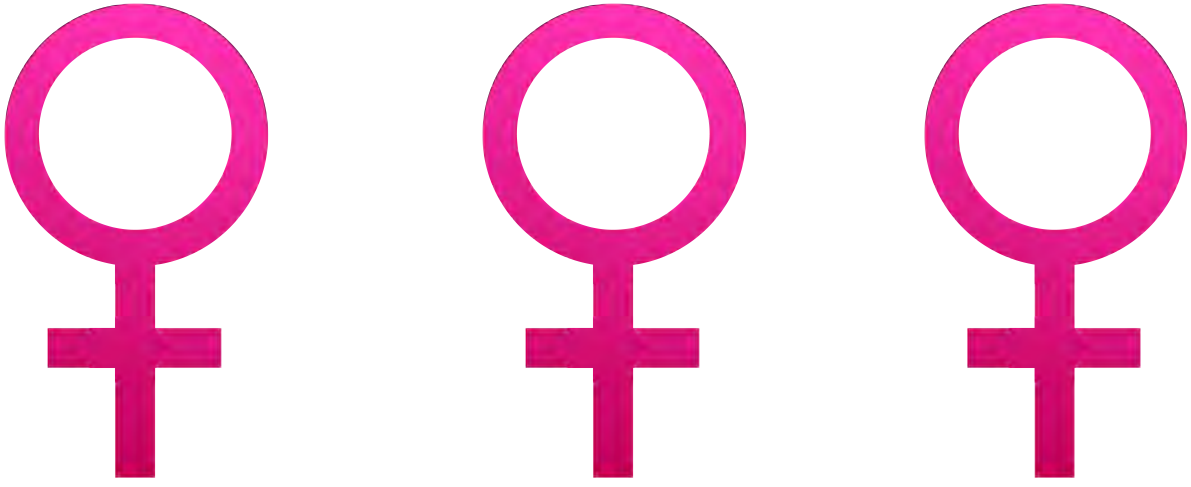
T01118-50-T SA,RG,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***0,2 ml tube format***	**R**	60
T01118-96-S SA,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***12 x 8 strip format***	**R**	96
T01119-50-T SA,RG,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***0,2 ml tube format***	**R**	60
T01119-96-S SA,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***12 x 8 strip format***	**R**	96
T01182-50-T SA,RG,iQ,MX,A,B	**NOS3 (C786T) SNP-Screen** RT-PCR test for detection of Nitric oxide synthase 3 mutation (rs2070744) - ready to use ***0,2 ml tube format***	**R**	60
T01182-96-S SA,iQ,MX,A,B	**NOS3 (C786T) SNP-Screen** RT-PCR test for detection of Nitric oxide synthase 3 mutation (rs2070744) - ready to use ***12 x 8 strip format***	**R**	96
T01148-50-T SA,RG,iQ,MX,A,B	**APOE Leu48Pro SNP-Screen** RT-PCR test for detection of apolipoprotein E mutation (T3100C, rs769452) - ready to use ***0,2 ml tube format***	**R**	60
T01148-96-S SA,iQ,MX,A,B	**APOE Leu48Pro SNP-Screen** RT-PCR test for detection of apolipoprotein E mutation (T3100C, rs769452) - ready to use ***12 x 8 strip format***	**R**	96
T01179-50-T SA,RG,iQ,MX,A,B	**GP1BA1b (C482T) SNP-Screen** RT-PCR test for detection of Platelet glycoprotein Iba mutation (Thr161Met, rs6065) - ready to use ***0,2 ml tube format***	**R**	60
T01179-96-S SA,iQ,MX,A,B	**GP1BA1b (C482T) SNP-Screen** RT-PCR test for detection of Platelet glycoprotein Iba mutation (Thr161Met, rs6065) - ready to use ***12 x 8 strip format***	**R**	96
T01354-50-T SA,RG,iQ,MX,A,B	**GP1BA1b (T -5C) SNP-Screen** RT-PCR test for detection of Platelet glycoprotein Iba mutation (rs2243093) - ready to use ***0,2 ml tube format***	**R**	60
T01354-96-S SA,iQ,MX,A,B	**GP1BA1b (T -5C) SNP-Screen** RT-PCR test for detection of Platelet glycoprotein Iba mutation (rs2243093) - ready to use ***12 x 8 strip format***	**R**	96
T01155-50-T SA,RG,iQ,MX,A,B	**ITGA2 (C807T) SNP-Screen** RT-PCR test for detection of integrin, alpha 2 mutation (Phe253Phe, rs1126643) - ready to use ***0,2 ml tube format***	**R**	60
T01155-96-S SA,iQ,MX,A,B	**ITGA2 (C807T) SNP-Screen** RT-PCR test for detection of integrin, alpha 2 mutation (Phe253Phe, rs1126643) - ready to use ***12 x 8 strip format***	**R**	96

Woman's Health / Miscarriage

Hypercoagulability in pregnancy, particularly due to inheritable thrombophilia, can lead to placental vascular thrombosis. This can in turn lead to complications like early-onset hypertensive disorders of pregnancy, pre-eclampsia and small for gestational age infants (SGA).Among other causes of hypercoagulability, Antiphospholipid syndrome has been associated with adverse pregnancy outcomes including recurrent miscarriage. Deep vein thrombosis has an incidence of one in 1,000 to 2,000 pregnancies in the United States, and is the second most common cause of maternal death in developed countries after bleeding.

Woman's Health / Miscarriage

T01101-50-T SA,RG,iQ,MX,A,B	**FV (G1691A) Leiden SNP-Screen** RT-PCR test for detection of Leiden mutation (Arg506Gln; rs6025) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01101-96-S SA,iQ,MX,A,B	**FV (G1691A) Leiden SNP-Screen** RT-PCR test for detection of Leiden mutation (Arg506Gln; rs6025) - ready to use ***12 x 8 strip format***	**R**	CE	96
T01102-50-T SA,RG,iQ,MX,A,B	**FII Protrombin (G20210A) SNP-Screen** RT-PCR test for detection of prothrombin F2 gene mutation (rs1799963) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01102-96-S SA,RG,iQ,MX,A,B	**FII Protrombin (G20210A) SNP-Screen** RT-PCR test for detection of prothrombin F2 gene mutation (rs1799963) - ready to use ***12 x 8 strip format***	**R**	CE	96
T01105-50-T SA,RG,iQ,MX,A,B	**FVII (G1238A) SNP-Screen** RT-PCR test for detection of FVII gene mutation (Arg353Gln; rs6046) - ready to use ***0,2 ml tube format***	**R**		60
T01105-96-S SA,RG,iQ,MX,A,B	**FVII (G1238A) SNP-Screen** RT-PCR test for detection of FVII gene mutation (Arg353Gln; rs6046) - ready to use ***12 x 8 strip format***	**R**		96
T01103-50-T SA,RG,iQ,MX,A,B	**MTHFR (C677T) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Ala222Val; rs1801133) - ready to use ***0,2 ml tube format***	**R**	CE	60
T01103-96-S SA,iQ,MX,A,B	**MTHFR (C677T) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Ala222Val; rs1801133) - ready to use ***12 x 8 strip format***	**R**	CE	96



Woman's Health / Miscarriage

T01273-50-T SA,RG,iQ,MX,A,B	**MTHFR (A1298C) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Glu429Ala; Rs1801131) - ready to use ***0,2 ml tube format***	**R**	60
T01273-96-S SA,RG,iQ,MX,A,B	**MTHFR (A1298C) SNP-Screen** RT-PCR test for detection of MTHFR gene mutation (Glu429Ala; Rs1801131) - ready to use ***12 x 8 strip format***	**R**	96
T01124-50-T SA,RG,iQ,MX,A,B	**MTRR (A 66 G) SNP-Screen** RT-PCR test for detection of methioninesynthase gene mutation (Ile22Met; rs1801394) - ready to use ***0,2 ml tube format***	**R**	60
T01124-96-S SA,RG,iQ,MX,A,B	**MTRR (A 66 G) SNP-Screen** RT-PCR test for detection of methioninesynthase gene mutation (Ile22Met; rs1801394) - ready to use ***12 x 8 strip format***	**R**	96
T01143-50-T SA,RG,iQ,MX,A,B	**MTR (A2756G) SNP-Screen** RT-PCR test for detection of methionine synthase gene mutation (Asp919Gly; rs1805087) - ready to use ***0,2 ml tube format***	**R**	60
T01143-96-S SA,RG,iQ,MX,A,B	**MTR (A2756G) SNP-Screen** RT-PCR test for detection of methionine synthase gene mutation (Asp919Gly; rs1805087) - ready to use ***12 x 8 strip format***	**R**	96
T01120-50-T SA,RG,iQ,MX,A,B	**PAI SERPINE (-675 5G/4G) SNP-Screen** RT-PCR test for detection of insertion/deletion polymorphism of SERPINE1 or plasminogen activator inhibitor type 1 gene (rs1799768) - ready to use ***0,2 ml tube format***	**R**	60
T01120-96-S SA,RG,iQ,MX,A,B	**PAI SERPINE (-675 5G/4G) SNP-Screen** RT-PCR test for detection of insertion/deletion polymorphism of SERPINE1 or plasminogen activator inhibitor type 1 gene (rs1799768) - ready to use ***12 x 8 strip format***	**R**	96
T01107-50-T SA,RG,iQ,MX,A,B	**FGB (G-455A) SNP-Screen** RT-PCR test for detection of fibrinogen beta gene (rs1800790) - ready to use ***0,2 ml tube format***	**R**	60
T01107-96-S SA,RG,iQ,MX,A,B	**FGB (G-455A) SNP-Screen** RT-PCR test for detection of fibrinogen beta gene (rs1800790) - ready to use ***12 x 8 strip format***	**R**	96
T01118-50-T SA,RG,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***0,2 ml tube format***	**R**	60
T01118-96-S SA,iQ,MX,A,B	**AGT 1 (C521T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 1 (Thr207Met, rs4762) - ready to use ***12 x 8 strip format***	**R**	96
T01119-50-T SA,RG,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***0,2 ml tube format***	**R**	60
T01119-96-S SA,iQ,MX,A,B	**AGT 2 (C4072T) SNP-Screen** RT-PCR test for detection of Angiotensinogen mutation 2 (Met235Thr, rs699) - ready to use ***12 x 8 strip format***	**R**	96