

MY GENOME

With the MY GENOME test, it is possible to find out information about various hereditary diseases within the following clinical areas:

- **CARDIOLOGY DISEASES** (the test analyzes over 6,000 conditions, giving you insight into diseases of the cardiovascular system like arrhythmogenic right ventricular cardiomyopathy, Brugada syndrome, aneurysm, and thoracic dissection aorta, hypertrophic cardiomyopathy, long QT interval syndrome, familial hypercholesterolemia, Wolff-Parkinson-White syndrome, atrioventricular septal defect, familial hypertrophic cardiomyopathy, and many other hereditary cardiac diseases)
- **ONCOLOGICAL DISORDERS** (the test covers more than 2,130 different hereditary disorders that include breast and gynecological tumors (ovaries, uterus), gastrointestinal tumors, endocrine tumors (thyroid, paraganglioma/phaeochromocytoma, parathyroid gland, pituitary gland), genitourinary tumors (renal/urinary tract, prostate), skin tumors (melanoma, basal cell carcinoma...), central nervous system tumors, bone and soft tissue sarcomas, lung tumors and numerous other disorders)
- **NUTRIGENOMIC PROFILE** (this test allows you to see how specific changes in your genes can affect in the way you react to food and nutrients to optimize your diet and thereby reduce the risk of developing certain health conditions such as diabetes, obesity, cardiovascular diseases, osteoporosis, hypertriglyceridemia (high levels of triglycerides in your blood), and chronic systemic inflammation)
- **NEUROLOGICAL DISEASES** (the test analyzes more than 3,600 disorders, giving you insight into diseases such as Amyotrophic lateral sclerosis (ALS), Parkinson's disease, Alzheimer's disease, and other dementias, ataxia, epilepsy, congenital myasthenic syndrome, hemiplegic migraine, periodic paralysis, Charcot Marie Tooth diseases, leukodystrophy (degeneration of the white matter of the brain), peripheral axonal neuropathy and other neurological disorders)
- **BONE AND SOFT TISSUE DISORDERS** (the test analyzes 416 genes associated with various bone and soft tissue diseases tissues such as Marfan syndrome, Ehlers-Danlos syndrome, Loeys-Dietz syndrome, X-linked hypophosphatemia, and numerous other bone and soft tissue disorders)
- **HEMATOLOGICAL DISEASES** (the test analyzes over 1,860 conditions, giving you insight into hematological disorders such as autoimmune disorders, porphyria, spherocytosis, thrombocytopenia, dysfibrinogenemia, beta thalassemia, immunodeficiency, myeloproliferative diseases, neutropenia, and other hereditary hematological diseases)
- **ENDOCRINOLOGICAL DISEASES** (the test analyzes over 1,120 conditions, giving you insight into diseases related to hormones including polycystic ovary syndrome, diabetes, androgen resistance syndrome, pseudohermaphroditism, hyperaldosteronism, hyperparathyroidism, hypogonadism, Cushing's syndrome, and other hereditary endocrinological disorders)

- **GASTROENTEROLOGIC DISEASES** (the test analyzes over 680 conditions, giving you insight into related disorders with inflammatory bowel diseases such as ulcerative colitis and Crohn's disease, gall bladder disease, congenital lactase deficiency, familial hypertriglyceridemia, progressive familial intrahepatic cholestasis, hereditary pancreatitis, and other gastroenterological disorders)

- **RARE DISEASES AND DISEASES OF THE PEDIATRIC AGE** (the test covers over 1,480 conditions and diseases of childhood such as Rett's syndrome, ciliopathy, RASopathy, cystic fibrosis, autism, infantile neuroaxonal dystrophy, overgrowth syndromes, epileptic seizures and developmental abnormalities of the brain and many others rare diseases and disorders of the pediatric age)

- **PULMONARY DISEASES** (the test covers more than 590 conditions related to lung diseases including predisposition to the development of asthma, pulmonary hypertension, cystic fibrosis, surfactant metabolism disorders, chronic obstructive pulmonary disease, neonatal respiratory distress syndrome, respiratory insufficiency, and other lung diseases)

- **NEPHROLOGICAL DISEASES** (the test analyzes more than 1,240 conditions giving you insight into diseases such as polycystic disease kidneys, pseudohypoaldosteronism, nephrolithiasis, focal segmental glomerulosclerosis, Alport's syndrome, congenital anomalies of the kidneys and urinary system, family renal hypouricemia, xanthinuria, primary hyperoxaluria, and other kidney disorders)

- **OPHTHALMIC DISEASES** (the test analyzes more than 1,800 conditions, giving you insight into diseases such as macular degeneration, cone dystrophy, ectopic eye lens, Bardet-Biedl syndrome, severe myopia, cataracts, achromatopsia, retinopathy, and numerous other eye diseases)

- **DERMATOLOGICAL DISEASES** (the test analyzes more than 1,100 conditions giving you insight into skin-related diseases such as palmoplantar keratoderma, ichthyosis, pseudoxanthoma, hereditary skin melanoma, tyrosinase-positive oculocutaneous albinism, squamous cell carcinoma, atopic dermatitis, bullous epidermolysis, xeroderma, and numerous other skin diseases)

- **MITOCHONDRIAL DISEASES** (the test analyzes 132 genes associated with hereditary genetic disorders that occur when the mitochondria fail to produce enough energy for the normal functioning of the body)

- **REPRODUCTIVE MEDICINE** (tests to determine the cause of male and female infertility)

- **DISEASES OF THE TEETH** (the test analyzes the genes involved in the embryonic development of teeth, the pathogenic variants of which are linked with hypodontia, hyperdontia, enamel hypoplasia, and other diseases of tooth development)

- **SLEEP MEDICINE** (the test analyzes over 260 conditions, giving you insight into sleep-wake schedule disorders, short sleep, autosomal dominant nocturnal frontal lobe epilepsy, and numerous other sleep disorders)
