AiLife Health Screening For a Healthier You

THREE TYPES OF SCREENING IN ONE SERVICE

COMPREHENSIVE DISEASE RISK ASSESSME NT

- Hereditary Cancers (48 genes)
- Cardiovascular Diseases (199 genes)
- Diabetes/Obesity/Metabolic Disorders (38 genes)
- Eye Diseases/Hearing Loss (10 genes)

REPRODUCTIVE CARRIER STATUS

- ACMG/ ACOG Recommended Conditions (21 genes)

COUPLE CARRIER ANALYSIS

- Any Genes Associated With Severe Recessive Childhood Disorders

AiLife Diagnostics

USING NGS TO REVEAL YOUR COMPREHENSIVE GENETIC PROFILE

With the advancement of DNA sequencing technology, sequencing individual genome at an affordable cost within a reasonable timeframe has become a reality. The genome is the entire DNA content that is present within one cell and is approximately six-billion letters long, repeating sequences of A, G, T, C. These genetic codes act like an instruction manual to your body functions as they tell each of your cells how to operate.

With an expanding knowledge of genetics, Whole Exome Sequencing (WES) and Whole Genome Sequencing (WGS) are being introduced to clinics to identify patient's genetic codes for better care or to identify more precise treatment options. Such evidence-based approach tailors care or treatments to each patient's particular genomic makeup and enhances the effectiveness of care. Thus, the role of genetics in health care is starting to change profoundly and the first examples of the era of genomic medicine are upon us.

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WWW.AILIFEUS.COM

AILIFE HEALTH SCREENING

LESS TESTING
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MORE INSIGHTS

Delivering Clinically Actionable Genetic Informationwith a Targeted Approach

Genomic knowledge has revolutionized health care towards the realization of personalized medicine. Every day, genomic scientists and human geneticists discover new genetic information and their impact on human life. Such information is invaluable to manage patients with defects in their genes or to predict predisposition to a specific genetic disorder or health risk.

To empower you to care and love your life, AiLife offers a state-of-the-art and high-quality next generation sequencing (NGS) test to screen your genomic profile. As each gene affects different functions in our body, our genetic experts use the most currently available knowledge about genes, genetic disorders or risks. With the power of data mining tools, billions of data points can be analyzed and curated to provide you with an accurate insight into your genetic makeup.

With a targeted report from AiLife, your doctors are presented with a summary of genetic findings related to your disease risk and reproductive risk, so preventive treatment, care management plans can be charted out specifically for you. Although not every genetic finding has a treatment, with the knowledge at the gene level, your doctors can provide consultations to help you manage your lifestyle which enable you to live a life you love. we also offer genetic counseling sessions to help you digest and understand the results.

Exceptional Care Through Precise Genetic Insights

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How to Get Started?

Step 1: Consult with your physician to order the test. Your blood or saliva sample is collected and a test order is submitted to our CAP/CLIA accredited clinical lab located in the greater Houston area by thephysician.

Step 2: Our expert laboratory personnel will receive your samples and initiate the sequencing test. Sequences data which are generated by the next generation sequencer will be analyzed in a proprietary bioinformatic pipeline and interpreted by expert clinical laboratory diagnosticians.

Step 3: After a careful in-depth expert review, a comprehensive yet easy to understand clinical report will be delivered to your physician.

Examples of Health Conditions included in AiLife Health Screening

Please see the detailed gene and disease lists at www.ailifeus.com

01 Cardiovascular Diseases

Aortic aneurysm, familial thoracic
Arrhythmogenic right ventricular cardiomyopathy Brugada syndrome
Catecholaminergic polymorphic ventricular tachycardia
Dilated cardiomyopathy
Ehlers-Danlos syndrome, type 4
Fabry's disease
Familial hypercholesterolemia
Familial hypertrophic cardiomyopathy
Left ventricular noncompaction
Loeys-Dietz syndrome
Long QT syndrome
Marfan's syndrome

02 Hereditary Cancers

Adenomatous polyposis coli	Neurofibromas
Birt Hogg Dube Syndrome	Ovarian Cancer
Breast Cancer	Pancreatic Cancer
Colorectal Cancer	Paragangliomas
Endometrial Cancer	Peutz-Jeghers Syndrome
Gastric cancer	Pheochromocytomas
Gastrontestinal Stromal Tumor - GIST	Prostate Cancer
Hemangioblastomas	PTEN hamartoma tumor syndrome
Juvenile polyposis syndrome	Renal cancer
Li-Fraumeni syndrome	Retinoblastoma
Lynch syndrome	Thyroid cancer
Melanoma	Tuberous sclerosis
Multiple endocrine neoplasia	Von Hippel-Lindau syndrome

03 Diabetes, Obesity, Metabolic

Diabetes
Malignant hyperthermia
Obesity
Ornithine carbamoyltransferase deficiency
Wilson disease

04 Eye/Hearing

Eye disorder, hereditary, adult onset
Hearing loss, hereditary, adult onset

05 Reproductive CarrierStatus

ACMG /ACOG recommended genes for individuals
Expanded panel of genes for couples

AiLife's Proprietary Data AndAnalytical Expertise are Clear **Differentiators**

Extensive and flexible test menu to serve the needs of various health care stakeholders

Stringent quality control to ensure highest quality test results for patient safety

Rapid turn-around-time (TAT) to meet your clinical care needs

HIPAA compliant, secured cloud environment to ensuredata confidentiality, and availability

Competitive pricingbecause we are green and use various cost saving strategies

AiLife Diagnostics
CAP/CLIA Certified Laboratory

OURCOMPANY

AiLife Diagnostics was founded near the Texas Medical Center in Houston, Texas with the mission to provide fast and accurate interpretation services and mining of NGS data using the expertise and proprietary tools developed in house. Our scientific and technical teams are comprised of ABMGG certified geneticists, PhD genome scientists, bioinformatics and IT experts, many are former faculty members at Baylor College of Medicine.

We have an extensive amount of experience in analyzing and reporting tens of thousands of clinical exome cases, targeted gene panel, microarray and more. We utilize state-of-the - art bioinformatics tools developed in-house, including 1) Annotation of Genes and Proteins Systematically (A-GPS®); 2) Interpretation of Genes and Proteins Systematically (I-GPS®); and 3) Discovery of Genes with Possible Disease Contributions Systematically (D-GPS®). Reporting of clinical results can be complete d in as short as a few business days. For more information, please visit us at www.ailifeus.com.

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