

Theranostics Lab provides a specialised service for the delivery of molecular diagnostics to clinicians and the public.

A core philosophy of the company is to improve public health through effective screening programmes and improve sustainability in medicine by matching the right treatment to the right individual.

We also support a strong social responsibility programme.

TheranostiC^{LAB}s. Your Genes. Your Health.

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Your Genes. Your Health.

Atrial Fibrillation
Genomic Test

TheranostiC^{LAB}s.

Personalised Medicine

Personalised medicine is a holistic approach to medicine, and uses molecular diagnostic tools, in combination with advanced informatics, eg using a person's age, gender, weight etc, to individualise a treatment strategy.

The aim is to make medicine more predictive, preventive, personalised and participatory – in short, P4 medicine.

This is a philosophy change to current practice and will lead to improved patient care and reduced costs by reducing wastage and treatment injury.

Pharmacogenomics, proteomics, metabolomics and nanomedicine are emerging fields of science which sit within the framework of personalised medicine.

Theranostics Lab will translate relevant discoveries from each of these areas into tools that assist in patient care.



Ordering a Test

Specimen Requirements

Access www.theranosticslab.com to order a test. A cheek swab kit will be sent to you in the post. Please follow the instructions enclosed with the kit.

Storage Conditions

Room Temperature.

Documentation

Print your receipt of purchase from the website after ordering a test. This will be enclosed with your swab to identify the sample.

Availability

Turnaround time of one week from the lab's receipt of a swab.

Reporting

A paper report will be issued to you and your general practitioner.

Atrial Fibrillation Genomic Test

Genetic variants at chromosome 4q25 have recently been associated with a 2 to 5 -fold risk of atrial fibrillation (AF) and atrial flutter.¹ These variants are teaching us more about the pathophysiology of atrial fibrillation and identify individuals at higher risk of developing the condition.

In individuals who have cryptogenic stroke these variants may suggest that occult AF is a causative factor and indicate a need for prolonged ambulatory ECG monitoring.² These variants may aid in deciding on treatment strategies such as ablation techniques or pharmacological measures.^{3,4} Non-carriers of the variant have a 4-fold higher chance of long-term success with ablation.³ Carriers of specific variants are more likely to maintain sinus rhythm with tailored antiarrhythmic therapy.⁴

This Theranostic test includes genetic variants associated with common AF as well as pharmacogenetic variants associated with warfarin and dabigatran. In addition to guiding a treatment strategy for patients with AF the test will determine a warfarin dose within 0.5mg of requirements and identify patients at lower risk of bleeding on dabigatran, thus aiding the decision on which agent to use.

The test can be ordered by a doctor or an individual, with the result then being forwarded to your doctor.

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¹ Lubitz et al. Circulation. 2010;122:976-984

² Lemmens R et al. Stroke. 2010 Sep;41(9):1850-7

³ Husser et al. J Am Coll Cardiol 2010;55:747-53

⁴ Parvez et al. JACC 2012 Aug 7;60(6):539-45