

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.

Please find more information at www.theranosticslab.com

TheranostiCLABs. Your Genes. Your Health.

Clinical Laboratory Services
Waitemata District Health Board
North Shore Hospital
Shakespeare Road, Takapuna
North Shore
Auckland 0622



For Technical Advice:
Theranostics Laboratory
Phone: 09 486 8325
Email: LABADMIN@waitematadhb.govt.nz

For Clinical Advice:
Freephone: 0508 GENOME (436 663)
Email: info@theranostics.co.nz

Your Genes. Your Health.



Statin
Genomic Test

TheranostiCLABs.

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.

Statin drugs are used for the prevention of cardiovascular disease. Although effective in the right patient the use of statins in a population is associated with adverse side effects such as myopathy, diabetes and renal dysfunction.^{1,2,3}

Statin levels in the blood can vary by more than forty-five times between individuals.⁴ Without monitoring drug levels or testing genes, for drug metabolism, dosing is guesswork. 60% of all statin related muscle side effects have been found to have a genetic basis, which strongly argues for genetic testing prior to starting treatment.¹

This Theranostic test includes genetic variants involved with the metabolism of statins. The test predicts a patient's risk for developing myopathy and provides a dosing algorithm to optimise statin treatment.⁵ Genetic testing may increase adherence to statin treatment and is cost effective.^{4,5}

The test can be ordered by a doctor, or an individual taking a statin. The result is then forwarded to your doctor.

TheranostiCs^{LAB}

1. SEARCH collaborative group. N Engl J Med. 2008 Aug 21;359(8):789-99.
2. Sattar N et al. Lancet. 2010;375:735-742.
3. Dormuth CR et al. BMJ. 2013 Mar 18;346
4. DeGorter MK et al. Circ Cardiovasc Genet. 2013 Aug;6(4):400-8.
5. Charland SL et al. Pharmacogenomics J. 2013 Aug 27.