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



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## For Technical Advice:

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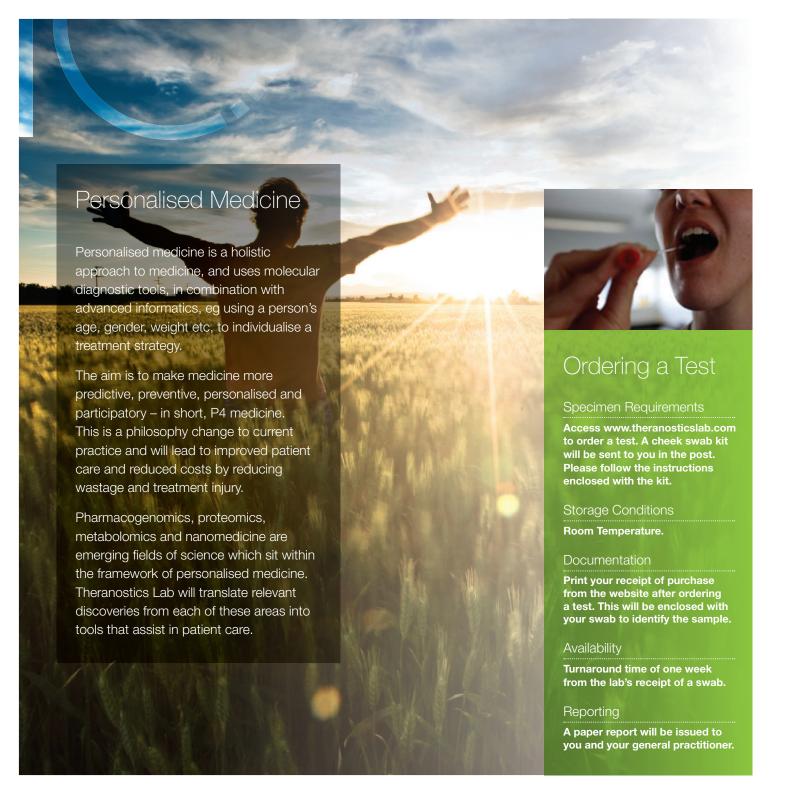
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## For Clinical Advice

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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.<sup>4</sup> 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.<sup>1</sup>

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.<sup>5</sup> Genetic testing may increase adherence to statin treatment and is cost effective.<sup>4,5</sup>

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



- 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.