



Personalise your Patient's Medication with DNAdose

Pharmacogenomics explains how an individual's genetic make-up effects the way they respond to medication. Recent advances in technology, now enables us to identify gene variants that can help predict possible adverse reactions or non-response in patients, prior to the prescription of specific medication.

Healthscope Pathology in conjunction with GenesFX Health now offers a premium pharmacogenomic service known as DNAdose Personalised Prescribing.

Since many drugs are metabolised by multiple enzymatic pathways, DNAdose identifies gene variants in four major enzyme systems simultaneously. Together, these enzymes play an important role in metabolism and the effect of more than 40% of commonly prescribed medications. DNAdose thus provides more personalised information for drug and dose prescriptions.

With the growing demand on clinicians to interpret DNA data, DNAdose now offers expert interpretation via a 'Personalised, Drug-specific Report'. GenesFX Health prepares these reports, in conjunction with a clinical geneticist, a pharmacist and a clinical pharmacologist.

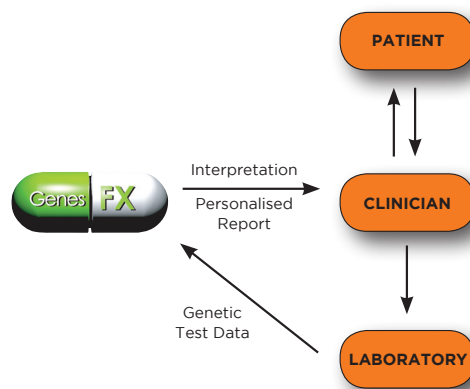
WHAT IS DNAdose?

- A 'Personalised, Drug-specific Report' for your patient based on the simultaneous analysis of four pharmacogenetic tests;
- CYP2D6, CYP2C19, CYP2C9 and VKORC1.
- An evidence-based interpretation of DNA tests by experienced clinical geneticists and pharmacists.
- A test that can predict which patients will have impaired drug metabolism due to their genetic makeup.
- Access to an online, evidence-based, expert interpretive pharmacogenomic database.

By ordering DNAdose for your patients, you will gain access to the GenesFX Health website, enabling you to:

- Minimise the 'trial and error' approach to prescribing.
- Find drug management alternatives when altered metabolism is found.
- Find drugs that best match your patients genetic make-up.
- Quickly identify drugs that should be avoided by your patient.
- Identify drugs where genetic tests are shown to be informative.
- Identify potential drug-gene interactions before prescribing.
- Where known, identify CYP450 drug-drug interactions.

DNAdose IS AN INTEGRATED PHARMACOGENETIC TESTING AND INTERPRETATION SERVICE



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DNAdose MAY BE OF BENEFIT WHEN PRESCRIBING THE FOLLOWING MEDICATION

- Antidepressants
- Warfarin
- Clopidogrel
- Analgesics
- Tamoxifen
- Proton Pump Inhibitors
- Anti-hypertensives.

Other drug categories which benefit from a DNAdose test can be at www.genesfx.com

WHICH PATIENTS WILL BENEFIT FROM DNAdose TESTING?

- Those who experience adverse drug reactions to specific medication
- Non-responders to specific medication
- Those with a family history of medication problems
- Patients receiving multiple medications
- Hospitalised patients
- Children taking drugs usually prescribed for adults
- Potentially all patients prescribed medication.

WHY TEST FOR MULTIPLE GENES AT ONCE?

Many drugs are metabolised by more than one enzyme and many people are on more than one drug at a time.

DNAdose tests for common variants in the following genes simultaneously: CYP2D6, CYP2C19, CYP2C9, VKORC1.

HOW DO I ORDER DNAdose?

Simply write DNAdose on a pathology request form. If you use a pathology provider other than the one listed in this document, please also write on the request:

Please send to:
*Molecular Pathology
Healthscope Pathology
1868 Dandenong Road
Clayton, VIC 3168*

Sample Type:

4ml Whole Blood (EDTA)
(Buccal swabs may also be accepted. Please contact laboratory first).

Please note, at present there is no medicare rebate covering the cost of this service.

REPORTING

Initially, a brief DNA test report will be provided from Healthscope Pathology. Shortly after, a Personalised Drug-specific Report will be sent from GenesFX Health.

IMPORTANT

To gain the most out of DNAdose please ensure that you list all drugs that your patient is taking, and any other relevant clinical information.

For further information please contact your local client services manager or the doctor enquiries line at our Customer Service Centre.

1300 134 111

ABOUT GenesFX HEALTH

GenesFX Health is an Australian company established in 2007 to deliver a clinical interpretation service for pharmacogenetic testing. Their advisory board consists of clinical geneticists, clinical pharmacologists, general practitioners and pharmacists.



Providing services since 1936, Healthscope Pathology operates throughout Australia, New Zealand, Singapore and Malaysia.

Healthscope Pathology has purpose built, state-of-the-art service and molecular research laboratories which ensure the highest standard of testing.

focused on you

healthscopepathology.com.au

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