

# DI02 TEST

## genotype report

Name:	Sample Report
Date of Birth:	01 Jan 1980
Sample Number:	TST-##-#####
Referring Practitioner:	Nordic Laboratories
Date Reported:	11 Nov 2018 11:11

# Welcome to your DIO2 gene test report

DIO2 codes for Type II iodothyronine deiodinase (D2) and forms part of a family of three iodothyronine deiodinase enzymes which are responsible for the activation and deactivation of thyroid hormones and for the conversion of thyroxin (T4) to the active or inactive form of triiodothyronine (T3). D2 is the only enzyme able to convert T4 to T3 in the brain and is likely to play a key role in determining the ability of the brain to respond to circulating T4 levels, thus a common variation in D2 activity may represent the best available marker of intracellular T3 levels in the brain.

## Your Result

### Rs225014 T>C OR Thr92Ala

Despite titration of T4 replacement to adequate serum levels of thyroid hormone and normalisation of TSH in patients diagnosed with hypothyroidism, a significant number of patients still report on-going symptoms. Research suggests that the C allele in the DIO2 gene, as tagged by the SNP rs225014, may predict both poorer psychological well-being on T4 monotherapy and improved response to combination T4/T3 therapy in patients on thyroid hormone replacement therapy.



Low/No Impact



Moderate Impact



High Impact

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