LAUNCESTON PATHOLOGY
Quality is in our DNA

CLARE PITT

Lab ID 413274382 DOB 20/12/1985 (38 Yrs FEMALE)

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Copy to
Requested 06/03/2024
Clinical Notes Fasting Day 2-3
Collected 20/03/2024 10:20
Received 20/03/2024 10:57

Genotyping for Coeliac Disease

Specimen type	EDTA blood
Method	Real-time PCR
Result:	Potential susceptibility genotype DETECTED (DQA1*05+, DQA1*02-, DQB1*02-, DQB1*03:02/05-)
Interpretation:	Not consistent with the presence of HLA-DQ2 or HLA-DQ8 antigens. However, HLA-DQA1*05 was detected in the absence of HLA-DQB1*02 or HLA-DQB1*03:02/05. This combination most commonly indicates the presence of the HLA-DQ7 antigen. This may be associated with susceptibility to coeliac disease, but confers a lower risk than DQ2 and DQ8 antigens. In the appropriate context, further clinical work-up for coeliac disease should be considered.

Comments

Test Information:

Qualitative detection of HLA-DQA1*02:01, HLA-DQA1*05:XX, HLA-DQB1*02:XX, HLA-DQB1*03:02/03:05 and HLA-DRB1*04:XX alleles is performed using the GeneFinder HLA-DQ2/DQ8 RealAmp kit (Osang Healthcare). This assay is designed to identify DQ2 (2.2 and 2.5) and DQ8 antigens that are present in more than 95% of individuals with coeliac disease. Some additional rare genotypes consistent with HLA-DQ8 antigen may be detectable by this assay though indistinguishable from HLA-DQB1*03:02/05. False positive results due to cross-reactivity with rare subtypes are possible. Rare subtypes, the presence of additional heterodimers, and zygosity of detected alleles cannot be determined by this assay. A full list of alleles to 4-digit HLA nomenclature detectable by this assay is available on request. References: PMID 25827511; 23981538.
Reported by Douglass Hanly Moir Pathology(2178), a member of the Sonic Healthcare Group.

NW

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