

| Patient Information | Specimen Information | Client Information |
|---------------------|----------------------|--------------------|
| | | |

| Test Name | In Range | Out Of Range | Reference Range | Lab |
|-------------------------------|----------|--------------|-----------------|-----|
| HLA TYPING FOR CELIAC DISEASE | | | | AMD |

INTERPRETATION see note
 The patient has one of the HLA-DQ variants associated with celiac disease.

More than 97% of celiac patients carry either HLA-DQ2(DQA1*05/DQB1*02) or HLA-DQ8(DQA1*03/DQB1*0302) or both. However, 39% of the general U.S. population carry these HLA-DQ variants, as a consequence, the presence of HLA-DQ2 or DQ8 or both variants is not per se diagnostic of celiac disease. Genetic counseling as needed.

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|--|----------|
| HLA DQ2 | Positive |
| HLA DQ8 | Negative |
| HLA VARIANTS DETECTED: | |
| HLA DQA1* | 01 |
| HLA DQA1* | 05 |
| HLA DQB1* | 0201 |
| HLA DQB1* | 0603 |
| RESULTS REVIEWED BY: see note | |
| Nicole C. Christacos, Ph.D., FACMG | |
| Technical Director, Molecular Oncology | |

Typing performed by PCR and hybridization with sequence specific oligonucleotide probes (SSO) using the FDA-cleared LABType(R) SSO Kit.

PERFORMING SITE:

AMD QUEST DIAGNOSTICS/NICHOLS CHANTILLY, 14225 NEWBROOK DRIVE, CHANTILLY, VA 20151-2228 Laboratory Director: PATRICK W. MASON,MD,PHD, CLIA: 49D0221801