

Celiac Associated HLA-DQ Alpha 1 and DQ Beta 1 DNA Typing, Blood

Patient ID SA00168953	Patient Name SAMPLEREPORT, CELI	Birth Date 1967-11-27	Sex F	Age 56
Order Number SA00168953	Client Order Number SA00168953	Ordering Physician CLIENT,CLIENT	Report Notes	
Account Information C7028846 DLMP Rochester		Collected 14 Jun 2024 00:00		

Celiac Associated HLA-DQ Typing

DQ alpha 1

03,05:01

MCR

Reference Value
Not Applicable

DQ beta 1

02:02,03:02

MCR

Reference Value
Not Applicable

DQ Serologic Equivalent:

2,8

Celiac gene pairs present?

Yes

MCR

Interpretation

1 MCR

This patient displays genes that are permissive for celiac disease. However, these genes can also be present in the normal population.

The gene pairs permissive for celiac are:

1. At least a heterozygote (single copy) of: DQ2 haplotype represented by DQA1*05:XX with DQB1*02:01 or DQA1*05:XX with DQB1*02:02 also referred as DQ2.5 in celiac literature, or DQ8 haplotype represented by DQA1*03:XX with DQB1*03:02

2. Homozygous (two copies) of: DQ2 haplotype represented by DQA1*02:01 with DQB1*02:02 also referred as DQ2.2 in celiac literature.

Additional information on HLA haplotypes and their significance in celiac disease including using HLA information found in literature can be accessed here: <https://www.mayocliniclabs.com/test-catalog/overview/88906#Clinical-and-Interpretive>

ADDITIONAL INFORMATION

Method: Molecular typing of HLA antigens performed using reverse SSOP and/or sequencing methods, reported as serological equivalents and low to intermediate resolution molecular values. For convenience, when not defined in the WHO Nomenclature a laboratory defined serologic equivalent has been provided. Based on the catalog of common, intermediate, and well-documented alleles in the world population (CIWD 3.0 Hurley CK et.al, HLA. 2020:516–531), certain intermediate or common alleles in some ethnicities may not be resolved. Kindly contact laboratory if ethnic specific resolution is required. CLIA: 24D0404292 CLIA Lab Director: NIKOLA BAUMANN, Ph.D.

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Laboratory Notes

- 1 This test has been modified from the manufacturers instructions. Its performance characteristics were determined by Mayo Clinic in a manner consistent with CLIA requirements. This test has not been cleared or approved by the U.S. Food and Drug Administration.

Performing Site Legend

Code	Laboratory	Address	Lab Director	CLIA Certificate
MCR	Mayo Clinic Laboratories - Rochester Main Campus	200 First Street SW, Rochester, MN 55905	Nikola Baumann Ph.D.	24D0404292