Lab Dept: Serology

Test Name: CELIAC ASSOCIATED HLA-DQ TYPING

**General Information**

**Lab Order Codes:** CELA

**Synonyms:** HLA Celiac Disease Testing

**CPT Codes:** 81376 x2 – HLA Class II typing, low resolution, one locus equivalent, each

**Test Includes:** HLA DQ Alpha 1 and HLA DQ Beta 1

**Logistics**

**Test Indications:** Useful for assessing risk of celiac disease.

Celiac disease is mediated T lymphocytes in patients with genetic susceptibility. This genetic association is with certain HLA genes in the class II region (DQ alpha, DQ beta).

**Lab Testing Sections:** Serology – Sendouts

**Referred to:** Mayo Medical Laboratories (Test: CELI)

**Phone Numbers:**
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

**Test Availability:** Daily, 24 hours

**Turnaround Time:** 7 – 14 days

**Special Instructions:** Please obtain special tube from the laboratory.

**Specimen**

**Specimen Type:** Whole blood

**Container:** Yellow-top (ACD [solution B]) tube

**Draw Volume:** 6 mL (Minimum: 3 mL) blood

**Processed Volume:** Same as Draw Volume
Collection: Routine venipuncture, mix by gentle inversion

Special Processing: Lab Staff: Send 6 mL (Minimum: 3 mL) ACD (solution B) whole blood at refrigerated temperature. Do Not centrifuge. Do not transfer blood to other containers. Do Not freeze ACD (solution B) whole blood. Forward promptly.

Patient Preparation: None

Sample Rejection: Frozen specimens; mislabeled or unlabeled specimens

Interpretive

Reference Range: Interpretive report

Critical Values: N/A

Limitations: Performance characteristics have been determined by Laboratory Medicine and Pathology, 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.

Methodology: Polymerase Chain Reaction (PCR)/Sequence –specific Oligonucleotide Probe (SSO) (PCR is utilized pursuant to a license agreement with Roche Molecular Systems, Inc.)

References: Mayo Medical Laboratories, July 2015

Updates: 1/19/2011: Method and CPT update.
1/4/2012: Storage temp changed from Ambient to Refrigerated, Draw volume changed from 7 to 6 mL.
7/8/2015: CPT update