

# laboratory parameters list

Updated **11-3-2020** by Dr. Harish Patel

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Prometheus® Celiac PLUS

Test Code

18027

CPT Code(s)

81382 (x2), 82784, 83520 (x3), 86255

Preferred Specimen(s)

2 mL serum collected in a red-top tube (no gel)

--and--

Minimum: 5 mL whole blood collected in an EDTA (lavender-top) tube

Minimum Volume

Serum: 0.5 mL

Collection Instructions

Both Celiac Genetics (HLA DQ2/DQ8) and Celiac Serology will be performed. Both serum and whole blood specimens are required for this test.

Transport Temperature

Refrigerated (cold packs)

Specimen Stability

Serum

Room temperature: 7 days

Refrigerated: 14 days

Frozen: 30 days

Whole blood

Room temperature: Not established

Refrigerated: 8 days

Frozen: Unacceptable

TPMT genotype

Quest code 16108X

Preferred Specimen(s)

5 mL whole blood collected in an EDTA (lavender-top) tube

TPMT activity

Quest code 18831X

Preferred Specimen(s)

4 mL whole blood (x2) collected in an EDTA (lavender-top) tube

Hereditary Hemochromatosis DNA Mutation Analysis (NY)

Test Code

36193X

CPT Code(s)

81256

Preferred Specimen(s)

5 mL whole blood collected in an EDTA (lavender-top) tube

Minimum Volume

3 mL

Alternative Specimen(s)

EDTA (royal-blue top) tube, Sodium heparin (green-top) tube, or ACD solution B (yellow-top) tube • ACD solution A (yellow-top) tube. Please contact Client Services prior to submitting 100 ng extracted DNA.

Transport Container

EDTA (lavender-top) tube

## Thiopurine Metabolites

Test Code

91745X

CPT Code(s)

80375

Includes

6-Thioguanine (6-TG), 6-Methylmercaptopurine (6-MMP)

Patient Preparation

A trough specimen is required (within 1 hour prior to the next dose)

Preferred Specimen(s)

5 mL whole blood collected in an EDTA (lavender-top) tube

Minimum Volume

2.5 mL

Transport Container

EDTA (lavender-top) tube

Transport Temperature

Refrigerated (cold packs)

## IgG4

Immunoglobulin G Subclass 4

Test Code

5428X

CPT Code(s)

82787

Patient Preparation

Overnight fasting is preferred

Preferred Specimen(s)

1 mL serum

Minimum Volume

0.5 mL serum

Transport Container  
Plastic screw-cap vial

Transport Temperature  
Refrigerated (cold packs)

Specimen Stability  
Room temperature: 72 hours  
Refrigerated: 21 days  
Frozen: 6 months

### QuantiFERON®-TB Gold

Test Code  
19453

\*If you are using [19453X] for this test, please note the test code will change to (19453). Please continue to use [19453X] until further notice.

CPT Code(s)  
86480

### Preferred Specimen(s)

1 mL whole blood collected in each of the following tubes: QFT-Nil control (gray cap, white or gold ring) tube; QFT-TB antigen (red cap, white or gold ring) tube; QFT-Mitogen control (purple cap, white or gold ring) tube

Minimum Volume  
1 mL in each tube

### Collection Instructions

1. For each patient, collect 1 mL of blood by venipuncture directly into each of three unique QuantiFERON®-TB Gold IT blood collection tubes. Tubes must be at room temperature prior to collection. Under or overfilling of the tubes may lead to erroneous results.
2. Shake them ten times just firmly enough to ensure the entire surface of the tube is coated with blood, to solubilize antigens on tube walls.
3. Transport specimen at room temperature to the laboratory immediately or within 16 hours.

[H.Pylori culture](#) , 91245 and 91245X

## Vascular Endothelial Growth Factor (VEGF), ELISA

Test Code

14512

CPT Code(s)

83520

Preferred Specimen(s)

1 mL plasma collected in an EDTA (lavender-top) tube

Minimum Volume

0.3 mL

## HFE - Hereditary Hemochromatosis DNA Mutation Analysis (NY)

Test Code

141661

CPT Code(s)

81256

Preferred Specimen(s)

5 mL whole blood collected in an EDTA (lavender-top) tube

## Hepatitis B genotype

Test Code

10529

CPT Code(s)

8791

Preferred Specimen(s)

1 mL plasma collected in a PPT potassium EDTA (white-top) tube

Alternative Specimen(s)

Plasma collected in: EDTA (lavender-top) tube • Serum collected in: SST® (red-top/plastic) or no additive (red-top) tube

Minimum Volume

0.3 mL

Collection Instructions

Plasma (preferred): Collect blood in sterile tube containing EDTA anticoagulant; either 0.15% solution v/v final EDTA K3 (standard EDTA tube) or 9 mg spray-dried EDTA K2 (plasma

preparation tube or PPT tube with plasma separator-gel, preferred). Store whole blood at room temperature and separate plasma from cells within 2 hours of collection. Transfer plasma to sterile plastic transport tube and store at -18° C or colder.

Serum (acceptable): Collect blood in sterile tube with no anticoagulants; plastic Serum Separator Tubes (SST®) are recommended. Allow blood to clot at room temperature and separate serum from cells within 2 hours of collection. Transfer serum to sterile plastic transport tube and store refrigerated or frozen. Ship frozen.

If blood is collected in a PPT tube, centrifuge preferably within 2 hours of collection as before but it is not necessary to transfer plasma to aliquot tubes. Following centrifugation, a gel barrier maintains separation of plasma from cellular components during specimen transport and storage. The PPT is plastic and hence plasma can be stored and shipped frozen in the original tube. Avoid repeated freezing and thawing of specimen. Ship frozen.

This test can only be performed reliably on specimens with a viral load of at least 600 IU/mL. For unknown viral loads order test code 16694.

Transport Container

Transport tube

Transport Temperature

Frozen

Specimen Stability

Room temperature: 72 hours

Refrigerated: 7 days

Frozen: 30 days

Reject Criteria

Unspun PPT tube