
Lab Dept: Chemistry

Test Name: HLA-B5701

General Information

Lab Order Codes: B57

Synonyms: B5701; HLA B57; Abacavir Hypersensitivity; HLA Antigen B5701

CPT Codes: 81381 – HLA Class I and II typing, one allele or allele group, each

Test Includes: HLA-B5701 reported as positive or negative.

Logistics

Test Indications: Use to determine the presence of the HLA-B5701 allele. Abacavir hypersensitivity has been shown to be associated with the human leukocyte antigen (HLA) B5701 of the major histocompatibility complex (MHC). The MHC family of genes codes for a highly variable set of cell surface glycoproteins (HLAs) that play a critical role in presenting antigens to T-cell receptors to elicit an immune response. The presence of the HLA B5701 allele increases the susceptibility to abacavir hypersensitivity in several populations studied.

Lab Testing Sections: Serology – Sendouts

Referred to: LabCorp (LabCorp Test# 006926)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: 5 – 7 days

Special Instructions: N/A

Specimen

Specimen Type: Whole Blood

Container: Lavender-top (EDTA) tube

Draw Volume: 7 mL (Minimum: 3 mL) blood

Processed Volume:	Same as Draw Volume
Collection:	Routine venipuncture
Special Processing:	Lab Staff: Do Not centrifuge, send specimen in original collection tube. Store and ship at room temperature. Specimen can be drawn daily, but held in Children's laboratory for draws Friday and Saturday. Ship specimen so it will arrive at LabCorp Monday through Friday.
Patient Preparation:	None
Sample Rejection:	Hemolysis; clotted specimen; mislabeled or unlabeled specimens

Interpretive

Reference Range:	Reported as positive or negative
Critical Values:	N/A
Limitations:	Even with appropriate precautions, an occasional specimen may not be satisfactory for testing. In such cases, an additional specimen should be collected for testing.
Methodology:	Qualitative allele-specific real-time Polymerase Chain Reaction (PCR)
References:	LabCorp March 2013
Updates:	3/20/2013: Method update.