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**Lab Dept:** Chemistry

**Test Name:** HLA-B5701

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***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.

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***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

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***Specimen***

**Specimen Type:** Whole Blood

**Container:** Lavender-top (EDTA) tube

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

<b>Processed Volume:</b>	Same as Draw Volume
<b>Collection:</b>	Routine venipuncture
<b>Special Processing:</b>	Lab Staff: <b>Do Not</b> 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.
<b>Patient Preparation:</b>	None
<b>Sample Rejection:</b>	Hemolysis; clotted specimen; mislabeled or unlabeled specimens

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### ***Interpretive***

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