

HLA alleles detectable by the HLA-B5701 RealFast™ Assay

HLA-B5701 RealFast™ Assay (REF 7-610 / 7-613) is designed to be capable of detecting all known HLA-B*57:01 alleles and subtypes.

According to the IPD-IMGT/HLA Database^{*)}, our in-silico analysis revealed that the detection of other HLA-B*57 alleles is widely excluded by prevention of amplification and/or abrogated probe binding. Nevertheless, the detection of some rare non-HLA-B*57:01 alleles cannot be excluded due to sequence homologies.

Allele frequencies are available at Allele Frequency Net Database: www.allelefrequencies.net

HLA B*57 alleles	Proven or supposed detection by REF 7-610	Association with Abacavir hypersensitivity
B*57:01:01:01 to B*57:01:40	✓	✓
B*57:02:01 to B*57:05	X	Not reported
B*57:06	✓	
B*57:07	X	
B*57:08	✓	
B*57:09	X	
B*57:10	✓	
B*57:11, B*57:12, B*57:17, B*57:21, B*57:28N, B*57:32, B*57:33, B*57:39, B*57:40, B*57:42, B*57:46, B*57:48, B*57:57, B*57:63, B*57:66, B*57:70, B*57:76, B*57:77, B*57:80, B*57:82 to B*57:85, B*57:94, B*57:96, B*57:99 to B*57:101, B*57:110, B*57:112, B*57:117, B*57:124, B*57:125	X	
B*57:13 to B*57:16, B*57:18 to B*57:20, B*57:22 to B*57:27, B*57:29 to B*57:31, B*57:34 to B*57:38, B*57:41, B*57:43 to B*57:45, B*57:47, B*57:49 to B*57:56, B*57:58 to B*57:62, B*57:64, B*57:65, B*57:67:01 to B*57:69, B*57:71 to B*57:73, B*57:75, B*57:78, B*57:79N, B*57:81, B*57:86 to B*57:93, B*57:97, B*57:98Q, B*57:102 to B*57:117, B*57:119 to B*57:123, B*57:126	✓	

Possible cross-reactivity of non-HLA-B*57 alleles based on in-silico analysis
B*35:208:01, B*35:208:02, B*35:317
B*55:14

^{*)} IPD-IMGT/HLA Database (www.ebi.ac.uk/ipd/imgt/hla): release 3.37.0 (2019-05)