

# 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 known HLA-B\*57:01 alleles and subtypes.

According to the IPD-IMGT/HLA Database<sup>\*)</sup>, 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](http://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*57:01:46	✓	✓
B*57:02:01:01 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*57:74, 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*57:118, B*57:124, B*57:125, B*57:127, B*57:131, B*57:134, B*57:137, B*57:145, B*57:150, B*57:151, B*57:155	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*57:31:02, 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*57:95, B*57:97, B*57:98Q, B*57:102 to B*57:109, B*57:111, B*57:113 to B*57:117, B*57:119 to B*57:123, B*57:126, B*57:128 to B*57:130N, B*57:132, B*57:133, B*57:135, B*57:136, B*57:138 to B*57:144, B*146 to B*57:149, B*57:152 to B*57:154, B*57:156 to B*57:158	✓	

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*37:94, B*55:14

<sup>\*)</sup> IPD-IMGT/HLA Database ([www.ebi.ac.uk/ipd/imgt/hla](http://www.ebi.ac.uk/ipd/imgt/hla)): release 3.47.0 (2022-01)