

101.522-24/03 – including *Taq* polymerase
 101.522-24u/03u – without *Taq* polymerase

Lot No.: **2E1**

Olerup SSP® HLA-B*35

Product number: 101.522-24/03 – including *Taq* pol.
 101.522-24u/03u – without *Taq* pol.
Lot number: 2E1
Expiry date: 2019-03-01
Number of tests: 24 tests – Product No. 101.522-24/24u
 3 tests – Product No. 101.522-03/03u
Number of wells per test: 92+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*35 LOT (36Y):

Well	5'-primer	3'-primer	rationale
10	-	Added	3'-primer added for the B*35:263 allele.
31	Added	-	5'-primer added for increased yield.
32	Modified	-	5'-primer modified for improved HLA-specific amplification.
38	Added	-	5'-primer added for the B*35:02:08 allele.
55	-	Added	3'-primer added for the B*35:263 allele.
73	Added	-	5'-primer added for the B*35:02:08 allele.
74	-	Added	3'-primer added for the B*35:281 allele.
76	Added	-	5'-primer added for the B*35:271 allele.
81	-	Added	3'-primer added for the B*35:293 allele.
86	-	Modified	3'-primer modified for increased yield.
91	Added	Added	Updated negative control moved to well 93, primer pair added for the B*35:262 allele.
92	New	New	New primer pair added for the B*35:298 allele.
93	-	-	Updated negative control added from well 91.

THE NUMBER OF WELLS is increased from 91 to 93 wells.

ALLELE COVERAGE:

All the HLA-B*35 alleles, i.e. **B*35:01 to B*35:314**, recognized by the HLA Nomenclature Committee in April 2016¹ will be amplified by the primers in the HLA-B*35 subtyping kit.

The HLA-B*35 kit enables separation of the confirmed HLA-B*35 alleles as listed in the IMGT/HLA database. An HLA allele is listed as confirmed by IMGT/HLA if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA-B*35 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles.

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The following HLA-B*35 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*35:122, 35:123	61
B*35:130N, 35:134N	64
B*35:132, 35:144	62
B*35:219, 35:293	81

The HLA-B*35 subtyping kit cannot distinguish the following silent mutations: the B*35:01:01:01-35:01:03, 35:01:05-35:01:16, 35:01:18-35:01:22, 35:01:24-35:01:27, 35:01:29-35:01:33, 35:01:36-35:01:41 and 35:01:44-35:01:45, the B*35:02:01-35:02:08, the B*35:03:01, 35:03:03-35:03:06, 35:03:08-35:03:10, 35:03:13-35:03:16 and 35:03:19-35:03:21, the B*35:03:12 and 35:03:18, the B*35:04:01-35:04:02, the B*35:05:01-35:05:03, the B*35:08:01-35:08:02, 35:08:04 and 35:08:06-35:08:08, the B*35:09:02-35:09:03, the B*35:11:01 and B*35:11:03, the B*35:12:01-35:12:03, the 35:15:01 and 35:15:02, the 35:17:01-35:17:02, the B*35:20:01-35:20:02, the B*35:24:01-35:24:02, the B*35:29:01-35:29:02, the B*35:32:01-35:32:02, the 35:59:01-35:59:02, the B*35:101:01-35:101:02, the B*35:108:01-35:108:02 or the B*35:150:01-35:150:02 alleles.

¹Alleles that have been deleted from or renamed in the official WHO HLA Nomenclature up to and including the last IMGT/HLA database release can be retrieved from web page <http://hla.alleles.org/alleles/deleted.html>.

RESOLUTION IN HLA-B*35 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*35 SUBTYPINGS BY NON-HLA-B*35 ALLELES:

The interpretation of HLA-B*35 subtypings is influenced by many other HLA-B alleles.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 32, a 5'-primer was modified for improved HLA-specific amplification.

In primer mix 86, a 3'-primer was modified for increased yield.