

## **Olerup SSP® HLA-B\*35**

**Product number:** 101.522-24/03 – including *Taq* pol.  
101.522-24u/03u – without *Taq* pol.  
**Lot number:** 16R  
**Expiry date:** 2015-May-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:** 79

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*35 LOT (37N):**

The primers of the wells detailed below have been exchanged, added or modified compared to the previous lot.

Well	5'-primer	3'-primer	rationale
3	Modified	Added	3'-primer added for the B*35:01:30 allele, modified 5'-primer for improved specificity, exchanged positive control primer pair.
6	Modified	-	Improved specificity of primer pair.
10	Moved	Moved, modified	Primer pair moved to well 78, modified 3'-primer for improved specificity.
17	Moved	Moved, modified	Primer pair moved to well 77, modified 3'-primer for improved specificity.
23	Added	-	5'-primer added for the B*35:05:03 allele.
32	-	Modified	Improved specificity of primer pair.
65	Moved	Moved	Primer pair moved to well 79 for decreased tendencies of primer oligomer formation.
67	-	Added	3'-primer added for the B*35:191 allele.
74	Moved	Moved	Primer pair moved to well 75 for decreased tendencies of primer oligomer formation.
75	Added	Added	Primer pair from well 74.
76	Added	Added	Primer pair added for the B*35:193 allele.
77	New	New	Primer pair from well 17.
78	New	New	Primer pair from well 10.
79	New	New	Primer pair from well 65.

**THE NUMBER OF WELLS** is increased from 76 to 79.

### **ALLELE COVERAGE:**

All the HLA-B\*35 alleles, i.e. **B\*35:01 to B\*35:205**, recognized by the HLA Nomenclature Committee in July 2012<sup>1</sup> 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

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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

The B\*35:122 and B\*35:123 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 61.

The B\*35:132 and B\*35:144 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 62.

The B\*35:130N and B\*35:134N alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 64.

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 and 35:01:29-35:01:31, the B\*35:02:01-35:02:04, the B\*35:03:01, 35:03:03-35:03:06 and 35:03:08-35:03:10, the B\*35:04:01-35:04:02, the B\*35:05:01-35:05:02, the B\*35:08:01-35:08:02 and 35:08:04-35:08:05, the B\*35:09:02-35:09:03, the B\*35:12:01-35:12:03, 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 B\*35:42:01-35:42:02, the B\*35:101:01-35:101:02 or the B\*35:108:01-35:108:02 alleles.

<sup>1</sup>HLA-B alleles listed on the IMGT/HLA web page 2012-July-12, release 3.9.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

#### **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:**

No comments received.