

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

Lot No.: **02X**

## Olerup SSP® HLA-B\*35

**Product number:** 101.522-24/03 – including *Taq* pol.  
 101.522-24u/03u – without *Taq* pol.

**Lot number:** 02X

**Expiry date:** 2017-January-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:** 87+1

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*35 LOT (54S):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the B*35:02:06 allele.
34	Added	-	5'-primer added for the B*35:214 allele.
41	Moved	Moved	Primer pair moved to well 84 for decreased tendency of primer oligomer formation.
51	Added	-	5'-primer added for the B*35:214 allele.
77	-	Added	3'-primer added for the B*35:245 allele.
80	New	New	New primer pair added for the B*35:194 allele.
81	New	New	New primer pair added for the B*35:219 allele.
82	New	New	New primer pair added for the B*35:225 allele.
83	New	New	New primer pairs added for the B*35:245 and B*35:250 alleles.
84	Added	Added	Primer pairs added from well 41.
85	New	New	New primer pair for the B*35:42:01 allele.
86	New	New	New primer pair for the B*35:42:02 allele.
87	New	New	New primer pair for the B*35:241 allele.
88	-	-	Negative Control.

**THE NUMBER OF WELLS** is increased from 79 to 88 wells.

#### ALLELE COVERAGE:

All the HLA-B\*35 alleles, i.e. **B\*35:01 to B\*35:254**, recognized by the HLA Nomenclature Committee in April 2014<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 it has been sequenced by more than a single laboratory or from multiple sources.

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

Alleles	Primer mix
B*35:55, 53:31	44
B*35:122, 35:123	61
B*35:130N, 35:134N	64
B*35:132, 35:144	62

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 and 35:01:35-35:01:41, the B\*35:02:01-35:02:06, the B\*35:03:01, 35:03:03-35:03:06, 35:03:08-35:03:10 and 35:03:12-35:03:14, 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 35:08:06-35:08:07, 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 35:17:01-35:17:02, 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 B\*35:101:01-35:101:02 or the B\*35:108:01-35:108:02 alleles.

<sup>1</sup>Alleles 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:**

No comments received.