

Olerup SSP® HLA-B*35

Product number:	101.522-24/03 – including <i>Taq</i> pol. 101.522-24u/03u – without <i>Taq</i> pol.
Lot number:	5G0
Expiry date:	2021-03-01
Number of tests:	24 tests – Product No. 101.522-24/24u 3 tests – Product No. 101.522-03/03u
Number of wells per test:	93+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*35 LOT (2E1):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for improved HLA-specific amplification.
2	-	Modified	3'-primer modified for decreased tendency of unspecific amplification.
30	-	Modified	3'-primer modified for decreased tendency of unspecific amplification.
31	-	Modified	Positive control primer pair exchanged for decreased tendency of primer oligomer formation, 3'-primer modified for improved HLA-specific amplification.
32	-	Modified	3'-primer modified for decreased tendency of unspecific amplification.
37	Modified	-	5'-primer modified for decreased tendency of unspecific amplification.
44	Modified	-	5'-primer modified for decreased tendency of unspecific amplification.
46	-	-	Positive control primer pair exchanged for decreased tendency of primer oligomer formation.
53	-	Modified	3'-primer modified for improved HLA-specific amplification.
73	-	Modified	3'-primer modified for decreased tendency of unspecific amplification.
74	-	Added	3'-primer added for the B*35:173:02N allele.
89	-	Added	3'-primer added for the B*35:333Q allele.
90	-	Exchanged	3'-primer exchanged for decreased tendency of primer oligomer formation. Positive control primer pair exchanged.
93	Added	Added	Negative control moved to well 94. New primer pair added for improved resolution.
94	-	-	Negative control added from well 93.

THE NUMBER OF WELLS is increased from 93 to 94 wells.

101.522-24/03 – including *Taq* polymerase

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

Lot No.: **5G0**

ALLELE COVERAGE:

All the HLA-B*35 alleles, i.e. **B*35:01 to B*35:360**, recognized by the HLA Nomenclature Committee in January 2018^{1,2} 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 3.24.0. 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 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*35:122, 35:123	61
B*35:130N, 35:134N	64
B*35:132, 35:144	62
B*35:219, 35:293	81

¹HLA-B alleles listed on the IMGT/HLA web page 2018-January-19, release 3.31.0, www.ebi.ac.uk/imgt/hla.

²Alleles 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 53, a 3'-primer was modified for improved HLA-specific amplification.

Changes in revision R01 compared to R00:

1. Primer mix 93 may give rise to a lower yield of HLA-specific PCR product than the other HLA-B*35 primer mixes. A footnote for the correction above has been added under the specificity table.