

Olerup SSP® HLA-B*27

Product number:	101.521-24/04 – including <i>Taq</i> pol. 101.521-24u/04u – without <i>Taq</i> pol.
Lot number:	5F4
Expiry date:	2020-04-01
Number of tests:	24 test – Product No. 101.521-24/24u 4 tests – Product No. 101.521-04/04u
Number of wells per test:	46+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*27 LOT (5D3):

Well	5'-primer	3'-primer	rationale
21	-	Added	3'-primer added for the B*27:137 allele.
30	-	Added	3'-primer added for the B*27:137 allele.
36	-	Added	3'-primer added for the B*27:146 allele.
37	-	Added	3'-primer added for the B*27:146 allele.
39	Modified	-	5'-primer modified for improved HLA-specific amplification.
41	Added	-	5'-primer added for improved allelic resolution of the B*27:67 allele.
43	Added	Added	Primer pair added for the B*27:05:02:04Q allele.
44	Added	Added	Primer pair added for the B*27:142 allele.
45	Added	Added	Negative control moved to well 47, primer pair added for the B*27:141 allele.
46	New	New	New primer pair added for improved allelic resolution of the B*27:142 allele.
47	-	-	Negative control added from well 45.

THE NUMBER OF WELLS is increased from 45 to 47 wells.

ALLELE COVERAGE:

B*27:01 to B*27:161, i.e. all the currently recognized HLA-B*27 alleles, will be amplified by the primers in the HLA-B*27 SSP kit¹; www.ebi.ac.uk/imgt/hla, 2017-April-13, release 3.28.0.

The HLA-B*27 kit enables separation of the confirmed HLA-B*27 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*27 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*27 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

101.521-24/04 – including *Taq* polymerase

101.521-24/04u – without *Taq* polymerase

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Alleles	Primer mix
B*27:37, 27:55, 27:101	22
B*27:83, 27:134	35

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*27 HOMO- AND HETEROZYGOTES:

The B*27:05,27:05 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-B*27 SUBTYPINGS BY NON-HLA-B*27 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.