OLERUPSSP®

HLA-B*27   **Release Note**   **Page 1 of 2**
101.521-24/04 – including *Taq* polymerase
101.521-24/04u – without *Taq* polymerase
Lot No.: 21X

Olerup SSP® HLA-B*27

Product number: **101.521-24/04 – including *Taq* pol.**
                           101.521-24u/04u – without *Taq* pol.
Lot number: **21X**
Expiry date: **2017-February-01**
Number of tests: **24 test – Product No. 101.521-24**
                           4 tests – Product No. 101.521-04
Number of wells per test: **44+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*27 LOT (77R):

Well	5'-primer	3'-primer	rationale
16	Moved	Moved	Primer pair moved to well 43 for decreased tendency of oligomer formation.
27	Moved	Moved	Primer pair moved to well 44 for decreased tendency of oligomer formation.
41	New	New	New primer pair added for the B*27:91 allele.
42	New	New	New primer pair for the B*27:125 allele.
43	New	New	Primer pair added from well 16.
44	New	New	Primer pair added from well 27.
45	-	-	Negative Control.

THE NUMBER OF WELLS has been increased from 40 to 45.

ALLELE COVERAGE:
B*27:01 to B*27:125, i.e. all the currently recognized HLA-B*27 alleles, will be amplified by the primers in the HLA-B*27 SSP kit[1]; www.ebi.ac.uk/imgt/hla, 2014-April-14, release 3.16.0.

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:

Alleles	Primer mix
B*27:37, 27:55, 27:101	22
B*27:67, 27:123	29

The HLA-B*27 subtyping kit cannot distinguish the following silent mutations: B*27:02:01-27:02:02, the B*27:04:01 and 27:04:04 alleles, the B*27:04:02-27:04:03, the B*27:05:02-27:05:03, B*27:05:05-27:05:19 and 27:05:21-27:05:28 alleles and the B*27:07:01-27:07:04.

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[1]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*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.