

Olerup SSP[®] HLA-B*41

Product number:	101.542-06 – including <i>Taq</i> polymerase 101.542-06u – without <i>Taq</i> polymerase
Lot number:	2F6
Expiry date:	2019-12-01
Number of tests:	6
Number of wells per test:	23+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*41 LOT (1D3).

Well	5'-primer	3'-primer	rationale
3	-	Added	3'-primer added for the B*41:45N allele.
14	Added	-	5'-primer added for the B*41:49 allele.
15	Exchanged	Exchanged	Primer pair exchanged for improved HLA-specific amplification.
17	Added	-	5'-primer added for the B*41:49 allele.
22	Added	Added	Negative Control moved to well 22, primer pairs added for improved allelic resolution.
23	New	New	New primer pair added for the B*41:43 allele.
24	-	-	Negative Control added from well 22.

THE NUMBER OF WELLS is increased from 22 to 24 wells.

ALLELE COVERAGE:

B*41:01 to B*41:50 i.e. all the currently recognized HLA-B*41 alleles, will be amplified by the primers in the HLA-B*41 SSP kit ^{1,2}; www.ebi.ac.uk/imgt/hla, 2017-January-20, release 3.27.0.

The HLA-B*41 kit enables separation of the confirmed HLA-B*41 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*41 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*41 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*41:04, 41:36	4
B*41:10, 41:45N	3

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>.

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²The B*41:46-41:47 and the B*44:166 alleles give rise to identical amplification patterns with the HLA-B*41 high resolution kit. These alleles can be distinguished by the HLA-B low resolution and/or HLA-B*44 kits.

RESOLUTION IN HLA-B*41 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*41 SUBTYPINGS BY NON-HLA-B*41 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.