

Olerup SSP[®] HLA-B*46

Product number:	101.544-06 – including <i>Taq</i> polymerase 101.544-06u – without <i>Taq</i> polymerase
Lot number:	5G7
Expiry date:	2021-01-01
Number of tests:	6
Number of wells per test:	23+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*46 LOT (8E3):

Well	5'-primer	3'-primer	rationale
6	Moved	Moved	3'-primer removed for improved HLA-specific amplification. Primer pair moved to primer mix 22 for improved allelic resolution.
20	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.
22	Added	Added	Primer pair added from primer mix 6.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*46:01 to B*46:73, i.e. all the currently recognized HLA-B*46 alleles, give rise to unique amplification patterns; www.ebi.ac.uk/imgt/hla, 2018-January-19, release 3.31.0^{1,2}.

The HLA-B*46 kit enables separation of the confirmed HLA-B*46 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*46 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*46 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*46:23, 46:57	18
B*46:28, 46:34	20

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>.

²The HLA-B*46 primer set cannot separate the B*46:31, 46:47 and 46:49 from the B*15:318 allele. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*15 kit.

RESOLUTION IN HLA-B*46 HOMO- AND HETEROZYGOTES:

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101.544-06u – without *Taq* polymerase

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The B*46:01,46:01 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-B*46 SUBTYPINGS BY NON-HLA-B*46 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.