HLA-B*46   **Release Note**   **Page 1 of 2**

101.544-06 – including *Taq* polymerase
101.544-06u – without *Taq* polymerase
Lot No.: 8E3

Olerup SSP® HLA-B*46

Product number:	**101.544-06 – including *Taq* polymerase**
	101.544-06u – without *Taq* polymerase
Lot number:	**8E3**
Expiry date:	**2019-08-01**
Number of tests:	**6**
Number of wells per test:	**23+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*46 LOT (58Y):

Well	5'-primer	3'-primer	rationale
1	-	Exchanged	3'-primer exchanged for improved allelic resolution.
4	Exchanged	-	3'-primer exchanged for improved allelic resolution.
12	Exchanged	-	5'-primer exchanged for the B*46:40:02 allele.
19	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:
B*46:01 to B*46:70, i.e. all the currently recognized HLA-B*46 alleles, give rise to unique amplification patterns; www.ebi.ac.uk/imgt/hla, 2016-October-14, release 3.26.0[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 HLA-B*46 subtyping kit cannot distinguish the silent mutations in the B*46:01:01-46:01:02, 46:01:04-46:01:15 and 46:01:17-46:01:22 alleles, the B*46:01:03 and 46:01:16 alleles, the B*46:13:01-46:13:02 alleles or the B*46:40:01-46:40:02 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

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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.
[2]The 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:
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.