

HLA-B\*46  
101.544-06 – including *Taq* polymerase  
101.544-06u – without *Taq* polymerase  
Lot No.: **2K1**

Release Note

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## Olerup SSP<sup>®</sup> HLA-B\*46

**Product number:** 101.544-06 – including *Taq* polymerase  
101.544-06u – without *Taq* polymerase  
**Lot number:** 2K1  
**Expiry date:** 2023-09-01  
**Number of tests:** 6  
**Number of wells per test:** 23+1

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*46 LOT (5G7):

Well	5'-primer	3'-primer	rationale
19	Modified	-	5'-primer modified for improved HLA-specific amplification. Exchanged positive control primer pair for reduced tendency of primer oligomer formation.

THE NUMBER OF WELLS is unchanged.

### ALLELE COVERAGE:

B\*46:01 to B\*46:76, i.e. all the currently recognized HLA-B\*46 alleles, give rise to unique amplification patterns; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2019-April-17, release 3.36.0<sup>1,2</sup>.

The HLA-B\*46 kit enables separation of the confirmed HLA-B\*46 alleles as listed in the IMGT/HLA database 3.31.0. 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 many 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

<sup>1</sup>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>.

<sup>2</sup>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.

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**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.