

101.544-06 – including *Taq* polymerase

101.544-06u – without *Taq* polymerase

Lot No.: **58Y**

Olerup SSP® HLA-B*46

Product number: 101.544-06 – including *Taq* polymerase
 101.544-06u – without *Taq* polymerase

Lot number: 58Y

Expiry date: 2018-February-01

Number of tests: 6

Number of wells per test: 23+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*46 LOT (97S):

Well	5'-primer	3'-primer	rationale
4	Added	-	5'-primer added for the B*46:40 allele.
7	Added	Added	Primer pair added for the B*46:56 allele.
12	Added	Added	5'-primer added for the B*46:40 allele, 3'-primer added for the B*46:55N allele.
13	-	Added	3'-primer added for the B*46:32 allele.
15	-	Added	3'-primer added for the B*46:55N allele.
18	Added	Added	Primer pair added for the B*46:57 allele.
20	Added	Added	Primer pair added from well 23.
21	-	Added	3'-primer added for the B*46:51Q allele.
22	Added	Added	Primer pair added for the B*46:56 allele.
23	Moved, added	Moved, added	Primer pair moved to well 20, primer pair added from well 24, 3'-primer added for the B*46:51Q allele.
24	Moved	Moved	Primer pair moved to well 23, negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*46:01 to B*46:63, i.e. all the currently recognized HLA-B*46 alleles, give rise to unique amplification patterns; www.ebi.ac.uk/imgt/hla, 2015-April-17, release 3.20.0^{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 46:01:17-46:01:18 alleles, the B*46:01:03 and 46:01:16 alleles or the B*46:13:01-46:13:02 alleles.

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The following HLA-B*46 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*46:20, 46:41N	6
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*46:08 from B*15:289 alleles. These alleles can be distinguished by the HLA-C low resolution 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.