

101.546-06 – including Taq polymerase

101.546-06u – without Taq polymerase

Lot No.: **47Y**

Olerup SSP® HLA-B*48

Product number: 101.546-06 – including Taq polymerase
 101.546-06u – without Taq polymerase

Lot number: 47Y

Expiry date: 2017-December-01

Number of tests: 6

Number of wells per test: 19+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*48 LOT (96S):

Well	5'-primer	3'-primer	rationale
7	Moved	Moved	Primer pair moved to well 19 for improved HLA-specific amplification.
17	New	New	New primer pair added for the B*48:34 allele.
18	New	New	New primer pair added for improved allelic resolution of the B*48:06 allele.
19	Added	Added	Primer pair added from well 7.
20	-	-	Negative Control.

THE NUMBER OF WELLS is increased from 16 to 20 wells.

ALLELE COVERAGE:

B*48:01 to B*48:37, i.e. all the currently recognized HLA-B*48 alleles, will be amplified by the primers in the HLA-B*48 kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2015-April-17, release 3.20.0.

The HLA-B*48 kit enables separation of the confirmed HLA-B*48 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*48 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*48 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*48:09, 48:11	14
B*48:18, 48:29	15
B*48:19, 48:27	9

The B*48 primer set cannot separate the silent mutations in the B*48:01:01- 48:01:06, the B*48:02:01- 48:02:03 and the B*48:03:01-48:03:02 alleles.

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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 B*48 primer set cannot separate the B*48:10 and the B*39:13:02 and 42:11 alleles. These alleles can be distinguished by the HLA-B low resolution and/or HLA-B*39 and HLA-B*42 kits.

RESOLUTION IN HLA-B*48 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*48 SUBTYPINGS BY NON-HLA-B*48 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.