

## Olerup SSP<sup>®</sup> HLA-B\*48

**Product number:** 101.546-06 – including Taq polymerase  
101.546-06u – without Taq polymerase  
**Lot number:** 96S  
**Expiry date:** 2016-May-01  
**Number of tests:** 6  
**Number of wells per test:** 16

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*48 LOT (67R):

Well	5'-primer	3'-primer	rationale
11	Exchanged	-	5'-primer exchanged to resolve the B*48:10 allele and the B*08:17, B*08:54, B*38:03, B*39:02:01-39:02:02, B*39:08, B*39:13:01 and B*41:22 alleles.

**THE NUMBER OF WELLS** is unchanged.

#### ALLELE COVERAGE:

B\*48:01 to B\*48:32, i.e. all the currently recognized HLA-B\*48 alleles, will be amplified by the primers in the HLA-B\*48 kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-October-11, release 3.14.0.

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 B\*48:09 and B\*48:11 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 14.

The B\*48:18 and B\*48:29 alleles can be distinguished by the different sizes of the specific PCR product generated by primer mix 15.

The B\*48:19 and B\*48:27 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 9.

The B\*48 primer set cannot separate the silent mutations in the B\*48:01:01- 48:01:04, the B\*48:02:01- 48:02:03 and the B\*48:03:01-48:03:02 alleles.

<sup>1</sup>The B\*48 primer set cannot separate the B\*48:06 and B\*81:02 alleles. These two alleles can be distinguished by the HLA-B low resolution and/or HLA-B\*81 kits.

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

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**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.