

Olerup SSP® HLA-B*14

Product number:	101.524-12 – including <i>Taq</i> polymerase 101.524-12u – without <i>Taq</i> polymerase
Lot number:	61X
Expiry date:	2017-June-01
Number of tests:	12
Number of wells per test:	18+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*14 LOT (06X):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the B*14:02:09 allele.
6	Added	-	5'-primer added for the B*14:29 allele.
9	-	Added	3'-primer added for the B*14:32 allele.
10	Added	-	5'-primer added for the B*14:29 allele.
16	-	Added	3'-primer added for the B*14:32 allele.
17	New	New	New primer pair added for the B*14:22 allele.
18	New	New	New primer pair added for the B*14:34 allele.
19	-	-	Negative Control.

THE NUMBER OF WELLS is increased from 16 to 19 wells.

ALLELE COVERAGE:

B*14:01 to B*14:40 i.e. all the currently recognized HLA-B*14 alleles, will be amplified by the primers in the HLA-B*14 subtyping kit^{1,2}; www.ebi.ac.uk/imgt/hla, 2014-July-25, release 3.17.0.

The HLA-B*14 kit enables separation of the confirmed HLA-B*14 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*14 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*14 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*14:16, 14:23	16

The HLA-B*14 primer set cannot distinguish the following silent mutations: the B*14:01:01-14:01:05, the B*14:02:01-14:02:12, the B*14:06:01-14:06:02 alleles or the B*14:08:01-14:08:02 alleles.

101.524-12 – including *Taq* polymerase

101.524-12u – without *Taq* polymerase

Lot No.: **61X**

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*14:08:01-14:08:02 and the B*39:43 alleles will give rise to identical amplification patterns with the HLA-B*14 subtyping kit. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B*39 subtyping kit.

RESOLUTION IN HLA-B*14 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*14 SUBTYPINGS BY NON-HLA-B*14 ALLELES:

None of importance

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No suggestions received.