OLERUPSSP ®

HLA-B*14   **Release Note**   **Page 1 of 2**
101.524-12 – including *Taq* **polymerase**
101.524-12u – without *Taq* **polymerase**
Lot No.: 4D1

Olerup SSP® HLA-B*14

Product number:	**101.524-12 – including** *Taq* **polymerase**
	101.524-12u – without *Taq* **polymerase**
Lot number:	**4D1**
Expiry date:	**2018-07-01**
Number of tests:	**12**
Number of wells per test:	**21+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*14 LOT (61X):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the B*14:01:06 allele.
8	Added	-	5'-primer added for the B*14:01:06 allele.
19	Added	Added	Negative control moved to well 22, primer pair added for the B*14:41N allele.
20	Added	Added	New primer pair added for the B*14:33 allele.
21	Added	Added	New primer pair added for the B*14:46 allele.
22	-	-	Negative control added from well 19.

THE NUMBER OF WELLS is increased from 19 to 22 wells.

ALLELE COVERAGE:
B*14:01 to B*14:50 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, 2015-October-10, release 3.22.0.

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*14:01:01-14:01:06, the B*14:02:01-14:02:13, the B*14:06:01-14:06:02 alleles or the B*14:08:01-14:08:02 alleles.

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[1]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.
[2]The 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.