HLA-B*44   **Release Note**   **Page 1 of 2**
101.563-24/03 – including *Taq* polymerase
101.563-24u/03u – without *Taq* polymerase
Lot No.: 14V

Olerup SSP® HLA-B*44

Product number:	**101.563-24/03 – including *Taq* pol.**
	101.563-24u/03u - without *Taq* pol.
Lot number:	14V
Expiry date:	2016-July-01
Number of tests:	24 tests – Product No. 101.563-24/24u
	3 tests – Product No. 101.563-03/03u
Number of wells per test:	59+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*44 LOT (69R):

Well	5'-primer	3'-primer	rationale
34	Moved	Moved	Primer pair moved to well 57 to decrease tendency of oligomer formation.
37	Moved	Moved	Primer pair moved to well 58, for improved specificity.
44	-	Added	3'-primer added for the B*44:146 allele.
48	Modified	Added	5'-primer modified for improved specificity, 3'-primer added for the B*44:59:02 allele.
50	-	Added	3'-primer added for the B*44:171N allele
55	Added	-	5'-primer added for the B*44:149N allele
56	-	Added	3'-primer added for the B*44:160Q allele.
57	Added	Added	Primer pair added from well 34.
58	Added	Added	Primer pairs added from well 37
59	New	New	Primer pair added for the B*44:84:02 allele.
60			Negative Control

THE NUMBER OF WELLS is increased from 56 to 60 wells.

ALLELE COVERAGE:

B*44:01 to B*44:181, i.e. all the currently recognized HLA-B*44 alleles, will be amplified by the primers in the HLA-B*44 subtyping kit[1,2]; www.ebi.ac.uk/imgt/hla, 2013-July-17, release 3.13.1.

The HLA-B*44 kit enables separation of the confirmed HLA-B*44 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*44 kit also enables identification of polymorphisms in exons outside of the region encoding the peptide binding domain and of null and alternatively expressed alleles

101.563-24/03 – including *Taq* **polymerase**
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The following HLA-B*44 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*44:32, 44:124	21	B*44:72, 44:93	47
B*44:58N, 44:139	47	B*44:94, 44:98	31
B*44:69, 44:85	26	B*44:78, 44:136	48

The HLA-B*44 subtyping cannot distinguish the following silent mutations: the B*44:02:01:01, 44:02:01:03-44:02:09 and 44:02:11-44:02:29 alleles, the B*44:03:01-44:03:19 alleles, the B* 44:05:01-44:05:04 alleles, the B*44:27:01-44:27:02 allele, the B*44:28:01-B*44:28:02 alleles, the B*44:37:01-44:37:02 allele, the B*44:41:01-44:41:02 allele or the B*44:43:01-44:43:02 alleles.

[1]HLA-B alleles listed on the IMGT/HLA web page 2013-July-25, release 3.13.1, www.ebi.ac.uk/imgt/hla.
[2]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.

RESOLUTION IN HLA-B*44 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*44 SUBTYPINGS BY NON-HLA-B*44 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.