Olerup SSP® HLA-B*44

Product number:	**101.563-24/03 – including *Taq* pol.** **101.563-24u/03u - without *Taq* pol.**
Lot number:	**11Y**
Expiry date:	**2017-September-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:	**63+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*44 LOT (14V):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the B*44:02:34 allele.
2	-	Moved	3'-primer modified for improved HLA-specific amplification.
3	Added	-	5'-primer added for the B*44:02:34 allele.
8	Moved	Moved	Primer pair moved to well 62.
16	-	Added	3'-primer added for the B*44:50:02 allele.
22	-	Added	3'-primer added for the B*44:177 allele.
35	-	Added	3'-primer added for the B*44:137 allele.
47	-	Added	3'-primer added for the B*44:191 allele.
48	-	Added	3'-primers added for the B*44:191 and B*44:195N.
50	-	Added	3'-primer added for the B*44:137 allele.
52	Added	-	5'-primer added for the B*44:173 allele.
54	-	Added	3'-primer added for the B*44:195N allele.
56	-	Added	3'-primer added for the B*44:198N allele.
60	Added	Added	Updated negative control moved to well 64, primer pair added for the B*44:187 allele.
61	New	New	New primer pair for the B*44:188 allele.
62	Added	Added	Primer pair added from well 8.
63	New	New	New primer pair for the B*44:173 allele.
64	-	-	Updated negative control added from well 60.

THE NUMBER OF WELLS is increased from 60 to 64 wells.

ALLELE COVERAGE:
B*44:01 to B*44:214, 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, 2015-January-19, release 3.19.0.

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.

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*44:78, 44:136	48
B*44:58N, 44:139	47	B*44:94, 44:98	31
B*44:69, 44:85	26	B*44:160Q, 44:198N	56
B*44:72, 44:93	47		

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 44:02:11-44:02:36 alleles, the B*44:03:01-44:03:24 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, the B*44:43:01-44:43:02 alleles or the B*44:79:01-44:79:02 alleles.

[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.

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:
In primer mix 2, a 3'-primer was modified for improved HLA-specific amplification.