

101.563-24/03 – including *Taq* polymerase

101.563-24u/03u – without *Taq* polymerase

Lot No.: **7D8**

Olerup SSP® HLA-B*44

Product number: 101.563-24/03 – including *Taq* pol.
101.563-24u/03u - without *Taq* pol.
Lot number: 7D8
Expiry date: 2018-10-01
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 (11Y):

Well	5'-primer	3'-primer	rationale
4	-	Added	3'-primer added for the B*44:03:28 allele.
10	-	Added	3'-primer added for the B*44:237N allele.
17	-	Added	3'-primer added for the B*44:02:39 allele.
33	Moved	-	5'-primer moved to well 63, exchange of positive control primer pairs for decreased tendency of primer oligomer formation.
48	-	Added	3'-primer added for the B*44:237N allele.
50	-	Added	3'-primer added for the B*44:227 allele.
51	Added	-	5'-primer added for the B*44:217N allele.
52	Removed	-	5'-primer removed for improved HLA-specific amplification.
61	Added	-	5'-primer added for the B*44:221 allele.
62	Modified	-	5'-primer modified for improved HLA-specific amplification.
63	Added	-	5'-primer added from well 33 for the B*44:81 allele.
64	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*44:02 to B*44:238, 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, 2016-January-19, release 3.23.0.

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.

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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*44:78, 44:136	48
B*44:58N, 44:139	47	B*44:79:01-44:79:02, 44:192	44
B*44:69, 44:85	26	B*44:94, 44:98	31
B*44:72, 44:93	47	B*44:160Q, 44:198N	56

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 44:02:11-44:02:38 alleles, the B*44:03:01-44:03:33 and 44:128:02 alleles, the B*44:05:01-44:05:04 alleles, the B*44:27:01-44:27:02 alleles, 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, the B*44:59:01-44:59:02 alleles or the B*44:79:01-44:79:02 alleles.

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>.

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.