101.523-24/03 – including *Taq* polymerase
101.523-24/03u – without *Taq* polymerase
Lot No.: 5F8

Olerup SSP® HLA-B*40

Product number:	**101.523-24/03 – including *Taq* pol.** **101.523-24/03u – without *Taq* pol.**
Lot number:	**5F8**
Expiry date:	**2020-04-01**
Number of tests:	**24 tests – Product No. 101.523-24/24u** **3 tests – Product No. 101.523-03/03u**
Number of wells per test:	**94+1**

CHANGES COMPARED TO THE PREVIOUS HLA-B*40 LOT (9D1):

Well	5'-primer	3'-primer	rationale
2	Added	-	5'-primer added for the B*40:06:15 allele.
24	Added	-	5'-primer added for the B*40:334 allele.
31	Modified	-	5'-primer modified for improved HLA-specific amplification.
32	Added	-	5'-primer added for the B*40:06:15 allele.
36	Added	-	5'-primer added for the B*40:273 allele.
42	Added	-	5'-primer added for the B*40:273 allele.
47	Added	Modified	5'-primer added for the B*40:318 allele, 3'-primer modified for decreased tendency of primer oligomer formation.
51	Added	-	5'-primer added for the B*40:345N allele.
57	Exchanged	Exchanged	Primer pair exchanged for improved HLA-specific amplification.
59	Added	-	5'-primers added for the B*40:331 and B*40:346 alleles.
67	-	Added	3'-primer added for the B*40:320 allele.
68	-	Added	3'-primer added for the B*40:320 allele.
73	Added	-	5'-primer added for the B*40:329 allele.
80	Added	-	5'-primer added for the B*40:334 allele.
82	Added	-	5'-primers added for the B*40:311, B*40:331 and B*40:346 alleles.
83	-	Added	3'-primer added for the B*40:348 allele.
85	Added	Added	Primer pair added for the B*40:337N allele.
90	Added	-	5'-primer added for the B*40:329 allele.
91	-	Added	3'-primer added for the B*40:338N allele.
93	-	Added	3'-primer added for the B*40:335 allele.
94	Added	Added	Negative control moved to well 95, primer pair added for the B*40:353 allele.
95	-	-	Negative control added from well 94.

THE NUMBER OF WELLS is increased from 94 to 95 wells.

ALLELE COVERAGE:
B*40:01 to B*40:355, i.e. all the currently recognized HLA-B*40 alleles, will be amplified by the primers in the HLA-B*40 subtyping kit[1], www.ebi.ac.uk/imgt/hla, 2017-April-13, release 3.28.0.

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The HLA-B*40 kit enables separation of the confirmed HLA-B*40 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*40 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*40 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
B*40:69, 40:221	56
B*49:179, 40:253	83

[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*40 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-B*40 SUBTYPINGS BY NON-HLA-B*40 ALLELES:
None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
In primer mix 57, the primer pair has been exchanged for improved HLA-specific amplification.