

101.523-24/03 – including *Taq* polymerase

101.523-24/03u – without *Taq* polymerase

Lot No.: **53X**

## Olerup SSP® HLA-B\*40

**Product number:** 101.523-24/03 – including *Taq* pol.  
 101.523-24/03u – without *Taq* pol.

**Lot number:** 53X

**Expiry date:** 2017-May-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:** 91+1

### CHANGES COMPARED TO THE PREVIOUS HLA-B\*40 LOT (27S):

Well	5'-primer	3'-primer	rationale
2	-	Added	3'-primer added for the B*40:01:39 allele.
7	Added	-	5'-primer added for the B*40:265N allele.
18	-	-	3'-primer added for the B*40:197 allele.
23	Added	Added	Primer pair added for the B*40:264 allele, 5'-primer added for the B*40:294 allele.
24	Added	Added	Primer pair added for the B*40:272, 5'-primer added for the B*40:291N alleles.
30	Added	-	5'-primers added for the B*40:01:32, B*40:02:18 and B*40:06:10 alleles.
44	-	Added	3'-primer added for the B*40:263N allele.
50	-	Added	3'-primer added for the B*40:175 allele.
53	-	Added	3'-primer added for the B*40:171 allele.
55	Added	Added	Primer pair added for the B*40:241 allele.
59	Added	-	5'-primer added for the B*40:265N allele.
60	Added	-	5'-primer added for the B*40:225 allele.
61	Added	-	5'-primer added for the B*40:234 allele.
62	-	Added	3'-primer added for the B*40:182 allele.
63	-	Added	3'-primer added for the B*40:255 allele.
65	Added	-	5'-primers added for the B*40:02:18 and B*40:06:10 alleles.
68	-	Added	3'-primer added for the B*40:180 allele.
70	-	Added	3'-primer added for improved yield of HLA-specific PCR product.
75	-	Added	3'-primer added for the B*40:171 allele.
77	-	Added	3'-primer added for the B*40:295 allele, exchanged positive control primer pair.
78	-	Added	3'-primer added for the B*40:182 allele.
79	-	Added	3'-primer added for the B*40:268 allele.
82	-	Added	3'-primer added for the B*40:267 allele.
83	Added	Added	Primer pair added for the B*40:249 allele, 3'-primer added for the B*40:247 allele.
84	-	Added	3'-primers added for the B*40:249 and B*40:263N alleles.
85	-	Added	3'-primer added for the B*40:247 allele.
87	New	New	New primer pairs added for the B*40:229 and B*40:286 N alleles.
88	New	New	New primer pair added for the B*40:201 allele.

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89	New	New	New primer pair added for the B*40:236 allele.
90	New	New	New primer pair added for the B*40:278 allele.
91	New	New	New primer pair added for the B*40:256N allele.
92	-	-	Negative Control.

**THE NUMBER OF WELLS** is increased from 86 to 92 wells.

**ALLELE COVERAGE:**

B\*40:01 to B\*40:295, i.e. all the currently recognized HLA-B\*40 alleles, will be amplified by the primers in the HLA-B\*40 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2014-July-25, release 3.17.0.

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

The HLA-B\*40 subtyping kit cannot distinguish the silent mutations in the B\*40:01:01-40:01:05, 40:01:07-40:01:10, 40:01:12-40:01:27 and 40:01:29-40:01:40 alleles, the B\*40:02:01-40:02:03, 40:02:05-40:02:15, 40:02:17 and 40:02:19-40:02:23 alleles, the B\*40:06:01:01-40:06:04 and 40:06:06-40:06:11 alleles, the B\*40:14:02-40:14:03 alleles, the B\*40:35:01-40:35:02 alleles, the B\*40:87:01-40:87:02 alleles, the B\*40:124:01-40:124:02 alleles, the B\*40:130:01-40:130:02 alleles, the B\*40:155:01N-40:155:02N alleles or the B\*40:160:01-40:160:02.

<sup>1</sup>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>.

<sup>2</sup>The HLA-B\*40 primer set cannot separate the B\*40:209 and the B\*41:19 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*41 high resolution kit.

**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:**

No comments received.