

Olerup SSP[®] HLA-B*40

Product number: 101.523-24/03 – including *Taq* pol.
101.523-24/03u – without *Taq* pol.
Lot number: 27S
Expiry date: 2015-November-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: 86

CHANGES COMPARED TO THE PREVIOUS HLA-B*40 LOT (24R):

Well	5'-primer	3'-primer	rationale
30	Added	-	5'-primer added for the B*40:01:26 allele.
40	Added	-	5'-primer added for the B*40:216N allele.
46	-	-	Modified positive control primer pair, for improved separation of HLA-specific PCR product.
56	-	Added	3'-primer added for the B*40:221 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

B*40:01 to B*40:233, i.e. all the currently recognized HLA-B*40 alleles, will be amplified by the primers in the HLA-B*40 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2013-January-11, release 3.11.0. 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 B*40:69 respectively the 40:221 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 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 alleles, the B*40:02:01-40:02:03, 40:02:05-40:02:15 and 40:02:17 alleles, the B*40:06:01:01-40:06:04 and 40:06:06 alleles, the B*40:14:02-40:14:03 alleles, the B*40:87:01-40:87:02 alleles, the B*40:124:01-40:124:02 alleles or the B*40:160:01-40:160:02.

¹The 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.

HLA-B*40
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Release Note

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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.