

101.523-24/03 – including *Taq* polymerase

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

Lot No.: **8H8**

Olerup SSP® HLA-B*40

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

Lot number: 8H8

Expiry date: 2022-02-01

Number of tests: 24 tests – Product No. 101.523-24/24u
3 tests – Product No. 101.523-03/03u

Number of wells per test: 95+1

CHANGES COMPARED TO THE PREVIOUS HLA-B*40 LOT (5F8):

Well	5'-primer	3'-primer	rationale
46	-	Modified	3'-primer modified for improved HLA-specific amplification.
57	-	Added	3'-primer added from well 93.
77	-	-	Exchanged positive control primer pair, for improved HLA-specific amplification.
85	Moved	Moved	Primer pair moved to well 95, for decreased tendency of primer oligomer formation.
93	Moved	Moved	Primer pair moved to well 57, for decreased tendency of primer oligomer formation.
95	Added	Added	Negative control moved to well 95, primer pair added from well 85.
96	-	-	Negative control added from well 95.

THE NUMBER OF WELLS is increased from 95 to 96 wells.

ALLELE COVERAGE:

B*40:01 to B*40:414, i.e. all the currently recognized HLA-B*40 alleles, will be amplified by the primers in the HLA-B*40 subtyping kit^{1,2}, www.ebi.ac.uk/imgt/hla, 2019-January-23, release 3.35.0.

The HLA-B*40 kit enables separation of the confirmed HLA-B*40 alleles as listed in the IMGT/HLA database 3.28.0. 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 many 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

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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>.

²The HLA-B*40 primer set cannot separate the B*40:378 and the B*41:19 alleles. These alleles can be distinguished by the HLA-B low 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:

In primer mix 46, the 3'-primer has been modified for improved HLA-specific amplification.