

101.523-24/03 – including *Taq* polymerase101.523-24/03u – without *Taq* polymeraseLot No.: **24R****Olerup SSP® HLA-B\*40**

**Product number:** 101.523-24/03 – including *Taq* pol.  
 101.523-24/03u – without *Taq* pol.  
**Lot number:** 24R  
**Expiry date:** 2015-April-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 (07M):**

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the B*40:01:18 allele.
28	Added	-	5'-primer added for the B*40:01:18 allele.
34	-	Added	3'-primer added for the B*40:118N allele.
54	-	Added	3'-primer added for the B*40:103 allele.
59	Added	-	5'-primer added for the B*40:127 allele.
62	-	Added	3'-primer added for the B*40:119 allele.
63	-	Added	3'-primer added for the B*40:133Q allele.
67	-	Added	3'-primer added for the B*40:107 allele.
73	New	New	New primer pair for the B*40:176 allele.
74	New	New	New primer pair for the B*40:148 allele.
75	New	New	New primer pair for the B*40:155N allele.
76	New	New	New primer pairs for the B*40:157 and 40:168 alleles.
77	New	New	New primer pairs for the B*40:102 and 40:142 alleles.
78	New	New	New primer pairs for the B*40:111 and 40:135 alleles.
79	New	New	New primer pairs for the B*40:116 and 40:145 alleles.
80	New	New	New primer pairs for the B*40:122 and 40:151 alleles.
81	New	New	New primer pairs for the B*40:141 and 40:144N alleles.
82	New	New	New primer pairs for the B*40:115 and 40:150 alleles.
83	New	New	New primer pair for the B*40:179 allele.
84	New	New	New primer pair for the B*40:178 allele.
85	New	New	New primer pair for the B*40:213 allele.
86	New	New	New primer pair for the B*40:06:05 allele.

**THE NUMBER OF WELLS** has been increased from 73 to 86.

101.523-24/03 – including *Taq* polymerase101.523-24/03u – without *Taq* polymeraseLot No.: **24R****ALLELE COVERAGE:**

B\*40:01 to B\*40:215, 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</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012 July-12, release 3.9.0. 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\*40:14:01 respectively the 40:121 and 40:136 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 40.

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 and 40:01:12-40:01:25 alleles, the B\*40:02:01-40:02:03 and 40:02:05-40:02:15 alleles, the B\*40:06:01:01-40:06:04 alleles, the B\*40:14:02-40:14:03 alleles, the B\*40:87:01-40:87:02 alleles or the B\*40:124:01-40:124:02 alleles.

<sup>1</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.