

101.413-24/04 – including *Taq* polymerase
 101.413-24u/04u – without *Taq* polymerase

Lot No.: **14Y**

Olerup SSP® HLA-A*03

Product number: 101.413-24/04 – including *Taq* pol.
 101.413-24u/04u – without *Taq* pol.

Lot number: 14Y

Expiry date: 2017-October-01

Number of tests: 24 tests – Product No. 101.413-24/24u
 4 tests – Product No. 101.413-04/04u

Number of wells per test: 63+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*03 LOT (53V):

Well	5'-primer	3'-primer	rationale
1	Added	-	5'-primer added for the A*03:01:49 allele.
3	Added	-	5'-primer added for the A*03:01:49 allele.
17	Added	-	5'-primer added for the A*03:01:49 allele.
18	Modified	Modified, added	5'-primer and 3'-primer modified for increased yield and improved HLA-specific amplification, 3'-primer added for the A*03:200Q allele.
19	Added	-	5'-primer added for the A*03:84 allele.
20	-	Added	3'-primer added from well 44 for the allelic resolution of the 03:79 allele.
22	-	Added	3'-primer added for the A*03:191 allele.
30	-	Added	3'-primer added for the A*03:139 allele.
38	-	Added	3'-primer added for the A*03:192N allele.
41	-	Added	3'-primer added for the A*03:192N allele.
42	Added	-	5'-primer added for the A*03:84 allele.
44	-	Moved	3'-primer moved to well 20.
46	Added	-	5'-primer added for the A*03:44:02 allele.
48	Added	-	5'-primer added for the 03:197N allele.
51	Modified	-	5'-primer modified for improved HLA-specific amplification.
52	-	Added	5'-primer added for the A*03:176 allele.
58	-	Modified, added	3'-primer modified for improved HLA-specific amplification, 3'-primer added for the A*03:200Q allele.
59	-	Added	3'-primer added for the A*03:144 allele.
62	Added	Added	Primer pair added for the A*03:197N allele.
63	-	Added	3'-primer added for the A*03:139 allele.
64	-	-	Updated negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*03:01 to A*03:209, i.e. all the currently recognized HLA-A*03 alleles, will be amplified by the primers in the HLA-A*03 subtyping kit¹; www.ebi.ac.uk/imqt/hla, 2015-January-19^{1,2}, release 3.19.0.

101.413-24/04 – including *Taq* polymerase
101.413-24u/04u – without *Taq* polymerase

Lot No.: **14Y**

The HLA-A*03 kit enables separation of the confirmed HLA-A*03 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-A*03 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 HLA-A*03 subtyping kit cannot distinguish following silent mutations: the A*03:01:01:01, 03:01:01:03, 03:01:03-03:01:05, 03:01:07, 03:01:09-03:01:11, 03:01:13, 03:01:15-03:01:22, 03:01:24-03:01:29 03:01:31-03:01:46, 03:01:49, 03:01:51 and 03:01:53 alleles, the A*03:01:02, 03:01:06, 03:01:14, 03:01:47 and 03:01:52 alleles, the A*03:01:12 and 03:01:23 alleles, the A*03:01:30, 03:01:48 and 03:01:50 alleles, the A*03:02:01-03:02:04 alleles, the *03:04:01-03:04:03 alleles, the *03:17:01-03:17:02 alleles, the A*03:22:01-03:22:02 alleles, the A*03:23:01-03:23:02 alleles, the A*03:44:01-03:44:02 and the A*03:123:01-03:123:02 alleles.

The following HLA-A*03 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*03:16, 03:61	20	A*03:38, 03:68N	41
A*03:17:01-03:17:02, 03:74	21	A*03:44:01-03:44:02, 03:53	46
A*03:20, 03:47	43	A*03:78, 03:161N	49
A*03:22:01-03:22:02, 03:103	23	A*03:118, 03:134	57
A*03:25, 03:71	27	A*03:128, 03:144	59
A*03:27, 03:49	30	A*03:132, 03:162N	62
A*03:33, 03:70	36		

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-A*03 primer set cannot separate the A*03:05:02 and A*30:55 alleles. These alleles can be distinguished by the HLA-A low resolution kit and/or the HLA-A*30 high resolution kit. The HLA-A*03 primer set cannot separate the A*03:95, 03:204 and A*74:13 alleles. These alleles can be distinguished by the HLA-A low resolution kit and/or the HLA-A*74 high resolution kit.

RESOLUTION IN HLA-A*03 HOMO- AND HETEROZYGOTES:

The A*03:01,03:01 genotype gives rise to a unique amplification pattern with respect to confirmed A*03 alleles.

INFLUENCE ON THE INTERPRETATION OF HLA-A*03 SUBTYPINGS BY NON-HLA-A*03 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.