

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

Lot No.: **88R**

Olerup SSP® HLA-A*03

Product number: 101.413-24/04 – including *Taq* pol.
 101.413-24u/04u – without *Taq* pol.
Lot number: 88R
Expiry date: 2015-August-01
Number of tests: 24 tests – Product No. 101.413-24
 4 tests – Product No. 101.413-04
Number of wells per test: 64

CHANGES COMPARED TO THE PREVIOUS HLA-A*03 LOT (97N):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the A*03:01:35 allele.
21	-	Added	3'-primer added for the A*03:17:02 allele.
26	-	Modified	Modified 3'-primer for improved allelic resolution.
27	Added	-	5'-primer added for the A*03:149 allele.
49	Added	Added	Primer pair added for the A*03:161N allele.
51	-	Added	3'-primer added for improved resolution of the A*03:50 allele.
53	-	Added	3'-primer added for the A*03:150 allele, exchanged positive control primer pair.
58	-	Added	3'-primer added for the A*03:150 allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*03:01 to A*03:161N, 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/imgt/hla, 2012-October-17, release 3.10.0.

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 and 03:01:31-03:01:38 alleles, the A*03:01:02, 03:01:06 and 03:01:14 alleles, the A*03:01:12 and 03:01:23 alleles, the A*03:02:01-03:02:03 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 and the A*03:23:01-03:23:02 alleles.

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The A*03:16 and A*03:61 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

The A*03:17:01-03:01:02 and A*03:74 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 21.

The A*03:20, and A*03:47 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 43.

The A*03:22:01-03:22:02 and A*03:103 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 23.

The A*03:25 and A*03:71 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 27.

The A*03:27 and A*03:49 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 30.

The A*03:33 and A*03:70 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 36.

The A*03:38 and A*03:68N alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 41.

The A*03:44 and A*03:53 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 46.

The A*03:78 and A*03:161N alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 49.

The A*03:118 and A*03:134 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 57.

¹The 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 and 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.