

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

Lot No.: 6F4

Olerup SSP[®] HLA-A*03

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

Lot number: 6F4

Expiry date: 2020-04-01

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 (6D5):

Well	5'-primer	3'-primer	rationale
13	Added	Added	Primer pair added for the A*03:157:01 allele.
15	Added	-	5'-primer added for the A*03:245 allele.
17	-	Modified	3'-primer modified for decreased tendency of primer oligomer formation.
18	-	Added	3'-primer added for the A*03:266N allele.
19	Added	-	5'-primer added for the A*03:145:02 allele.
20	Added	Added	Primer pair added for the A*03:157:01 allele.
23	Added	-	5'-primer added for the A*03:238 allele.
27	Added	-	5'-primers added for the A*03:245 and A*03:251 alleles.
28	Exchanged, added	Exchanged	Primer pair exchanged for the A*11:77 and A*11:126 alleles, 5'-primer added for the A*03:269N allele.
31	Added	-	5'-primer added for the A*03:262N allele.
42	Added	-	5'-primers added for the A*03:238 and A*03:269N alleles.
49	Added	-	5'-primer added for the A*03:251 allele.
50	Added	-	5'-primers added for the A*03:145:02 and A*03:262N alleles.
52	-	Added	3'-primer added for the A*03:275N allele.
53	Added	Added	Primer pair added for the A*03:242 allele.
54	-	Added	3'-primer added for the A*03:195 allele.
55	Added	Moved, added	3'-primers moved to wells 57 and 60, primer pair added for the A*03:07:01-03:07:02 alleles.
56	-	Added	3'-primer added for the A*03:275N allele.
57	Added	-	5'-primer added from well 55.
58	-	Added	3'-primer added for the A*03:266N allele.
59	-	Added	3'-primer added for the A*03:195 allele.
60	Added	-	5'-primer added from well 55.

THE NUMBER OF WELLS is unchanged.

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ALLELE COVERAGE:

A*03:01 to A*03:278, 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, 2017-April-13², release 3.28.0.

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 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

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, 03:215 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:

In primer mix 28, a primer pair was exchanged for the A*11:77 and A*11:126 alleles and a 5'-primer was added for the A*03:269N allele.