

Olerup SSP® HLA-A*03

Product number:	101.413-24/04 – including <i>Taq</i> pol. 101.413-24u/04u – without <i>Taq</i> pol.
Lot number:	3L4
Expiry date:	2024-07-01
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 (9G9):

Well	5'-primer	3'-primer	rationale
5	Added	-	5'-primer added from primer mix 23.
23	-	Moved	3'-primer moved to primer mix 5 for decreased tendency of primer oligomer formation.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*03:01 to A*03:386, 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, 2020-January-20^{1,2}, release 3.39.0.

The HLA-A*03 kit enables separation of the confirmed HLA-A*03 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-A*03 kit also enables identification of many 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, 03:103:01-03:103:02, 03:248, 03:282	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*03:29, 03:67	32		

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>.

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

Lot No.: **3L4**

²The HLA-A*03 primer set cannot separate the following alleles. These alleles can be distinguished by the HLA-A low resolution kit and/or the HLA-A*74 high resolution kit.

Alleles

A*03:95, 03:215, 03:343, A*74:13

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.