101.412-24/04 – including *Taq* polymerase
101.412-24u/04u – without *Taq* polymerase
Lot No.: 0M9

Olerup SSP® HLA-A*02

Product number:	**101.412-24/04 – including *Taq* pol.** **101.412-24u/04u – without *Taq* pol.**
Lot number:	**0M9**
Expiry date:	**2025-04-01**
Number of tests:	**24 tests – Product No. 101.412-24/24u** **4 tests – Product No. 101.412-04/04u**
Number of wells per test:	**95+1**

CHANGES COMPARED TO THE PREVIOUS HLA-A*02 LOT (2L5):

Well	5'-primer	3'-primer	rationale
15	-	Removed	3'-primer removed for improved HLA-specific amplification.
25	-	-	Exchanged positive control primer pair for reducing tendency of primer oligomer formation.
38	Moved	Moved	Primers moved to mixes 48 and 57 due to tendency of primer oligomer formation.
48	Added	-	5'-primer added from primer mix 38.
57	-		3'-primer added from primer mix 38.
64	Added	Added	Primer pair added from mix 83.
77	Added	-	5'-primer added for the *02:139 allele.
78	Added	-	5'-primer added for the *02:139 allele.
83	Moved	Moved/ Removed	Primer pair moved to mix 64 and 95 due to tendency of primer oligomer formation. Redundant 3'-primer removed.
95	Added	Added	Primer pair added from mix 83.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:
A*02:01 to A*02:954, i.e. all the currently recognized HLA-A*02 alleles, will be amplified by the primers in the HLA-A*02 subtyping kit[1], www.ebi.ac.uk/imgt/hla, 2021-January-18, release 3.43.0.

The HLA-A*02 kit enables separation of the confirmed HLA-A*02 alleles as listed in the IMGT/HLA database 3.25.0. 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*02 kit also enables identification of many null and alternatively expressed alleles.

CE
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For *In Vitro* Diagnostic Use

101.412-24/04 – including *Taq* polymerase
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The following HLA-A*02 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*02:01:83, 02:01:105, 02:01:107, 02:01:129, 02:01:138, 02:343, 02:399, 02:668, 02:699, 02:879N	55	A*02:140, 02:468:02N, 02:836	89
A*02:18, 02:912	39	A*02:141, 02:275	90
A*02:28, 02:409	27	A*02:145, 02:221	64
A*02:60:01-02:60:02, 02:254, 02:501N	45	A*02:150:01, 02:197:01-02:197:02, 02:325, 02:745	94
A*02:70, 02:820	32	A*02:159, 02:293Q, 02:364, 02:390	39
A*02:96, 02:139, 02:587	15	A*02:177, 02:210	67
A*02:97:01-02:97:02, 02:305N	59	A*02:180, 02:358	29
A*02:107, 02:202, 02:251	65	A*02:193, 02:213	78
A*02:111, 02:350N, 02:679	67	A*02:215, 02:237, 02:467	83
A*02:119, 02:263, 02:553	73	A*02:233:01, 02:459	24
A*02:120, 02:223N	74	A*02:269, 02:367	70
A*02:134, 02:314N	85	A*02:301N, 02:524:01-02:524:02	63
A*02:138, 02:284N	87		

[1]Alleles 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.

RESOLUTION IN HLA-A*02 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*02 SUBTYPINGS BY NON-HLA-A*02 ALLELES:

A*02:01,68:xx = A*02:95,68:xx.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.