

101.412-24/04 – including *Taq* polymerase

101.412-24u/04u – without *Taq* polymerase

Lot No.: 2L5

## Olerup SSP<sup>®</sup> HLA-A\*02

**Product number:** 101.412-24/04 – including *Taq* pol.  
 101.412-24u/04u – without *Taq* pol.

**Lot number:** 2L5

**Expiry date:** 2024-06-01

**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 (8H9):

Well	5'-primer	3'-primer	rationale
15	-	Added	3'-primer added from primer mix 88.
24	-	Added	3'-primer added from primer mix 79.
49	-	Added	3'-primer added from primer mix 79.
75	-	Added	3'-primer added from primer mix 79.
79	Removed	Removed	5'-primer removed, and 3'-primers moved to primer mixes 24, 49 and 75 for reducing tendency of primer oligomer formation.
88	-	Removed	3'-primer moved to primer mix 15 for reducing tendency of primer oligomer formation and improving HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

#### ALLELE COVERAGE:

A\*02:01 to A\*02:914, i.e. all the currently recognized HLA-A\*02 alleles, will be amplified by the primers in the HLA-A\*02 subtyping kit<sup>1</sup>, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2020-January-20, release 3.39.0.

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.

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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*02:134, 02:314N	85
A*02:18, 02:912	39	A*02:138, 02:284N	87
A*02:28, 02:409	27	A*02:140, 02:468:02N, 02:836	89
A*02:60:01-02:60:02, 02:254, 02:501N	45	A*02:141, 02:275	90
A*02:70, 02:820	32	A*02:145, 02:221	64
A*02:96, 02:139, 02:587	15	A*02:150:01, 02:197:01-02:197:02, 02:325, 02:745	94
A*02:97:01-02:97:02, 02:305N	59	A*02:159, 02:293Q, 02:364, 02:390	39
A*02:107, 02:202, 02:251	65	A*02:180, 02:358	29
A*02:111, 02:350N, 02:679	67	A*02:193, 02:213	78
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*02:132, 02:215, 02:237, 02:467	83	A*02:301N, 02:524:01-02:524:02	63

<sup>1</sup>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.