

**101.412-24/04 – including *Taq* polymerase**

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

**Lot No.: 1G9**

## **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:** 1G9

**Expiry date:** 2020-10-01

**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 (8F9):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
5	Added	-	5'-primer added for increased yield of A*02:03:02 allele.
20	-	Added	3'-primer added for the A*02:672Q allele. Exchanged of positive control primers.
26	-	Added	3'-primer added for the A*02:696N allele.
32	Added	Added	Primer pairs added for the A*02:675N and A*02:691N alleles.
33	Exchanged, added	Added	5'-primer exchanged for decreased tendency of primer oligomer formation, 5'-primer added for increased yield, 3'-primer added for the A*02:696N allele.
34	Added	-	5'-primers added for the A*02:643N allele.
38	Added	Added	5'-primer added for the A*02:210 allele, 3'-primer added for the A*02:217:01 allele.
42	Exchanged	Added	5'-primer added for improved HLA-specific amplification, 3'-primers added for the A*02:217:01 and A*02:217:02 alleles.
44	Added	-	5'-primer added for the A*02:220 allele.
52	Added	-	5'-primer added for the A*02:220 allele.
63	Added	-	5'-primer added for the A*02:25 allele.
67	Added	-	5'-primer added for the A*02:210 allele.
71	Added	Added	Primer pair added for the A*02:675N allele.
72	Added	Added	Primer pair added for the A02:691N allele.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

A\*02:01 to A\*02:697, 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), 2017-October-17, release 3.30.0.

The HLA-A\*02 kit enables separation of the confirmed HLA-A\*02 alleles as listed in the IMGT/HLA database 3.25. An HLA allele is listed as confirmed by IMGT/HLA

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if it has been sequenced by more than a single laboratory or from multiple sources.

The HLA-A\*02 kit also enables identification of null and alternatively expressed alleles.

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, 02:343, 02:399, 02:668	55	A*02:139, 02:235	88
A*02:28, 02:409	27	A*02:140, 02:468:02N	89
A*02:60:01-02:60:02, 02:254, 02:501N	45	A*02:141, 02:275	90
A*02:96, 02:587	15	A*02:145, 02:221	64
A*02:97:01-02:97:02, 02:305N	59	A*02:150, 02:197:01-02:197:02, 02:325	94
A*02:107, 02:202, 02:251	65	A*02:159, 02:293Q, 02:364, 02:390	39
A*02:111, 02:350N, 02:679	67	A*02:180, 02:358	29
A*02:116, 02:196	71	A*02:193, 02:213	78
A*02:119, 02:263	73	A*02:233, 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
A*02:134, 02:314N	85		

<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.