

## **Olerup SSP® HLA-A\*11**

**Product number:** 101.416-12/04 – including *Taq* pol.  
 101.416-12u/04u – without *Taq* pol.

**Lot number:** 4E7

**Expiry date:** 2019-07-01

**Number of tests:** 12 tests – Product No. 101.416-12/12u  
 4 tests – Product No. 101.416-04/04u

**Number of wells per test:** 63+1

**CHANGES COMPARED TO THE PREVIOUS HLA-A\*11 LOT (62Y):**

Well	5'-primer	3'-primer	rationale
5	-	Removed	3'-primer removed for allelic resolution of the A*11:77 and A*11:126 alleles.
11	Added	-	5'-primer added for the A*11:01:72 allele.
12	Added	-	5'-primer added for the A*11:01:72 allele.
14	Added	-	5'-primer added for the A*11:01:68 allele.
25	Added	-	5'-primer added for the A*11:219 allele.
28	-	Modified, added	3'-primer modified and added from well 46 for the A*11:80 allele.
30	-	Modified, added	3'-primer modified and added from well 46 for the A*11:80 allele.
32	-	Added	3'-primer added for the A*11:32:02 allele.
35	Added	Added	Primer pair added for the A*11:190 allele.
36	Modified, added	-	5'-primer modified and added from wells 46 and 57 for the A*11:193 allele.
37	Added	Added	Primer pair added from well 51 for the A*11:51 allele.
39	Added	-	5'-primer added for the A*11:235Q allele.
40	Added	-	5'-primer added for increased yield of the A*11:199:02 allele.
43	Added	Added	Primer pair added from well 51 for the A*11:51 allele.
45	Added	-	5-primer added for the A*11:219 allele.
46	Moved, modified	Moved, added	5'-primer moved to well 36, 3'-primers moved to wells 28 and 30, 5'-primer modified for improved HLA-specific amplification, 3'-primer added for the A*11:173 allele.
50	Moved	Moved	Primer pairs moved to wells 52 and 61 for improved HLA-specific amplification.
51	Moved, added	Moved, added	Primer pair moved to wells 37 and 43, primer pair added for the A*11:77 and A*11:126 alleles.
52	Added	-	5'-primer added from well 50 for the A*11:34 allele.
54	Added	-	5'-primer added for the A*11:238N allele.
56	Added	-	5'-primer added for the A*11:238N allele.

57	Moved	Moved	Primer pair moved to well 36 for improved HLA-specific amplification.
61	Added	-	5'-primer added from well 50 for the A*11:34 allele.

**THE NUMBER OF WELLS** is unchanged.

**ALLELE COVERAGE:**

A\*11:01 to A\*11:245, i.e. all the currently recognized HLA-A\*11 alleles, will be amplified by the primers in the HLA-A\*11 SSP kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-July-14, release 3.25.0.

The HLA-A\*11 kit enables separation of the confirmed HLA-A\*11 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\*11 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\*11 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*11:09, 11:196	8	A*11:79, 11:129	45
A*11:13, 11:117	16	A*11:81, 11:108	52
A*11:58, 11:67	34	A*11:86, 11:142	50
A*11:59, 11:60	41	A*11:115N, 11:180N	58
A*11:62, 11:68	35	A*11:120, 11:171	63
A*11:63, 11:69N	42	A*11:124, 11:174	59
A*11:64, 11:65, 11:193	36	A*11:127N, 11:137N	60
A*11:66, 11:72	37		

The HLA-A\*11 subtyping kit cannot distinguish the silent mutations in the A\*11:01:01-11:01:03, 11:01:05-11:01:20, 11:01:22-11:01:43, 11:01:45-11:01:56, 11:01:58-11:01:61 and 11:01:63-11:01:72 alleles, the A\*11:01:04, 11:01:21, 11:01:44 and 11:01:62 alleles, the A\*11:02:01-11:02:06 alleles, the A\*11:32:01-11:32:02, the A\*11:33:01-11:33:02 alleles, the A\*11:70:01-11:70:02, the A\*11:153:01-11:153:02 or the A\*11:199:01-11:199:02 alleles.

<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\*11 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-A\*11 SUBTYPINGS BY NON-HLA-A\*11 ALLELES:**

None of importance.

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**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

In primer mix 51, a primer pair was added for the A\*11:77 and A\*11:126 alleles.