101.416-12/04 – including *Taq* **polymerase**
101.416-12/04u – without *Taq* **polymerase**
Lot No.: 82V

Olerup SSP® HLA-A*11

Product number:	**101.416-12/04 – including** *Taq* **pol.**
	101.416-12u/04u – without *Taq* **pol.**
Lot number:	**82V**
Expiry date:	**2016-December-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 (09S):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the A*11:01:51 allele.
5	-	Added	3'-primer added for the A*11:126 allele.
16	Added	-	5'-primer added for the A*11:117 allele.
18	Added	-	5'-primer added for the A*11:170Q allele.
19	-	Added	3'-primer added for the A*11:134 allele.
25	Added	-	5'-primer added for the A*11:135 allele.
28	Added	Added	Primer pair added for the A*11:170Q allele.
30	-	Added	3'-primer added for the A*11:156 allele.
34	-	Added	3'-primer added for the A*11:156 allele.
38	-	Added	3'-primer added for the A*11:105 allele.
42	-	Added	3'-primer added for the A*11:134 allele.
44	-	Modified	Modified 3'-primer for improved HLA-specific amplification.
45	Added	Added	Primer pair added from well 64, 5'-primer added for the A*11:163 allele.
46	Added	Added	Primer pair added for the A*11:173 allele.
48	Added	-	5'-primer added for the A*11:135 allele.
50	Added	-	5'-primer added for the A*11:142 allele.
53	-	Added	3'-primers added for the A*11:154 and A*11:172 alleles.
55	-	Added	3'-primers added for the A*11:172 and A*11:128 alleles.
56	Added	Added	Primer pair added for the A*11:112 allele.
57	Added	Added	Primer pair added for the A*11:173 allele.
58	-	Added	3'-primer added for the A*11:105 allele.
59	Added	-	5'-primers added for the A*11:163 and A*11:174 alleles.
60	-	Added	3'-primer added for the A*11:128 allele.
62	Added	-	5'-primer added for the A*11:117 allele.
63	-	Added	3'-primers added for the A*11:154 and A*11:171 alleles.
64	Moved	Moved	Primer pair moved to well 45, Negative Control.

THE NUMBER OF WELLS is unchanged.

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HLA-A*11   **Release Note**   **Page 2 of 2**
101.416-12/04 – including *Taq* polymerase
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Lot No.: 82V

ALLELE COVERAGE:
A*11:01 to A*11:176, i.e. all the currently recognized HLA-A*11 alleles, will be amplified by the primers in the HLA-A*11 SSP kit[1]; www.ebi.ac.uk/imgt/hla, 2014-January-17, release 3.15.0.

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*11:05, 11:126	5	A*11:77, 11:110	5
A*11:13, 11:54	16	A*11:79, 11:129	45
A*11:36, 11:173	57	A*11:81, 11:108	52
A*11:58, 11:67	34	A*11:86, 11:142	50
A*11:62, 11:68	35	A*11:120, 11:171	63
A*11:63, 11:69N	42	A*11:124, 11:74	59
A*11:64, 11:65	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*11:01:01-11:01:20, 11:01:22-11:01:43 and 11:01:45-11:01:56 alleles, the A*11:01:21 and 11:01:44 alleles, the A*11:02:01-11:02:06 alleles or the A*11:33:01-11:33:02 alleles.

[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*11 HOMO- AND HETEROZYGOTES:
Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*11 SUBTYPINGS BY NON-HLA-A*11 ALLELES:
None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:
No comments received.