Olerup SSP® HLA-A*33

Product number:	**101.432-12 – including *Taq* polymerase** **101.432-12u – without *Taq* polymerase**
Lot number:	**39X**
Expiry date:	**2017-May-01**
Number of tests:	**12**
Number of wells per test:	**30+1**

CHANGES COMPARED TO THE PREVIOUS HLA-A*33 LOT (19S):

Well	5'-primer	3'-primer	rationale
4	Added	-	5'-primer added for the A*33:03:24 allele.
7	Added	-	5'-primer added for improved resolution of the A*33:53 allele.
10	-	Moved	3'-primer moved to well 29 for decreased tendency of primer oligomer formation.
12	-	Moved, added	3'-primer moved to well 29 for decreased tendency of primer oligomer formation, 3'-primer added for the A*33:80N allele.
14	-	Added	3'-primer added for the A*33:84 allele.
15	Added	-	5'-primers added for the A*33:64 and A*33:65 alleles.
17	Added	-	5'-primers added for the A*33:65 allele.
18	Added	Added	5'-primer added for the A*33:57, primer pair added for the A*33:82 alleles.
20	Added	-	5'-primer added for the A*33:69 allele.
21	Added	Added	5'-primer added for the A*33:73N, primer pair added for the A*33:82 alleles.
22	-	Added	3'-primer added for the A*33:84 allele.
23	Added	-	5'-primer added for the A*33:32:02 allele.
25	New	New	New primer pairs for the A*33:83 and A*33:69 alleles.
26	New	New	New primer pairs for the A*33:74N and A*33:77 alleles.
27	New	New	New primer pairs for the A*33:85 and A*33:92 alleles.
28	New	New	New primer pair for the A*33:70 allele.
29	Added/ exchanged	Added/ exchanged	Primer pair added from well 10 and 12, exchanged for decreased tendency of primer oligomer formation.
30	New	New	New primer pair for the A*33:03:03Q allele.
31	-	-	Negative Control.

THE NUMBER OF WELLS is increased from 24 to 31 wells.

ALLELE COVERAGE:

A*33:01 to A*33:93, i.e. all the currently recognized HLA-A*33 alleles, will be amplified by the primers in the HLA-A*33 SSP kit[1,2]; www.ebi.ac.uk/imgt/hla, 2014-July-25, release 3.17.0.

The HLA-A*33 kit enables separation of the confirmed HLA-A*33 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*33 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*33 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*33:11, 33:80N	12	A*33:30, 33:73N	21
A*33:16, 33:64	15	A*33:31, 33:44	22
A*33:29, 33:39	20		

The HLA-A*33 subtyping kit cannot distinguish the following silent mutations: the A*33:01:01-33:01:07 alleles, the A*33:03:01-33:03:02 and 33:03:04-33:03:27 alleles, the 33:18:01-33:18:02 alleles or the A*33:32:01-33:32:02 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.
[2]The A*33:09 and the A*02:309, 26:22 and 66:09 alleles, the A*33:51 and A*66:15 alleles give rise to identical amplification patterns with the HLA-A*33 subtyping kit. These alleles can be distinguished by e.g. the HLA-A low resolution kit and/or the HLA-A*02, HLA-A*26 and HLA-A*66 subtyping kits.
The A*33:74N and 33:77 alleles cannot be separated by this lot of HLA-A*33 subtyping kit.

RESOLUTION IN HLA-A*33 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*33 SUBTYPINGS BY NON-HLA-A*33 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.