Olerup SSP® HLA-A*33

Product number:	**101.432-12 – including *Taq* polymerase** **101.432-12u – without *Taq* polymerase**
Lot number:	**5D2**
Expiry date:	**2018-07-01**
Number of tests:	**12**
Number of wells per test:	**31+1**

CHANGES COMPARED TO THE PREVIOUS HLA-A*33 LOT (39X):

Well	5'-primer	3'-primer	rationale
27	-	Added	3'-primer added for the A*33:74N allele.
28	Added	-	5'-primer added for the A*33:90 allele.
30	Added	Added	Primer pair added for the A*33:86 allele.
31	Added	Added	Negative Control moved to well 32. New primer pairs for the A*33:90 and A*33:96N alleles.
32	-	-	Negative Control added from well 31.

THE NUMBER OF WELLS is increased from 31 to 32 wells.

ALLELE COVERAGE:
A*33:01 to A*33:104, 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, 2015-October-10, release 3.22.0.

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*33:03:03Q, 33:86	30	A*33:29, 33:39	20
A*33:08, 31:99	10	A*33:30, 33:73N	21
A*33:11, 33:80N	12	A*33:31, 33:44	22
A*33:16, 33:64	15		

The HLA-A*33 subtyping kit cannot distinguish the following silent mutations: the A*33:01:01-33:01:08 alleles, the A*33:03:01-33:03:02 and 33:03:04-33:03:30 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.

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.