Olerup SSP® HLA-A*33

Product number:	**101.432-12 – including *Taq* polymerase** **101.432-12u – without *Taq* polymerase**
Lot number:	**8H5**
Expiry date:	**2023-10-01**
Number of tests:	**12**
Number of wells per test:	**31+1**

CHANGES COMPARED TO THE PREVIOUS HLA-A*33 LOT (7G0):

Well	5'-primer	3'-primer	rationale
9	-	Exchanged	3'-primer exchanged for improved resolution of the A*33:09 allele.
18	-	-	Positive control primer pair exchanged for reduced tendency of primer oligomer formation.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

All the HLA-A*33 alleles, i.e. **A*33:01 to A*33:183 alleles**, recognized by the HLA Nomenclature Committee in April 2019[1,2] will be amplified by the primers in the HLA-A*33 SSP kit[3].

The HLA-A*33 kit enables separation of the confirmed HLA-A*33 alleles as listed in the IMGT/HLA database 3.29.0. 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 many 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*33:17, 33:140N	16
A*33:08, A*31:99	9, 10	A*33:29, 33:39	20
A*33:11, 33:80N	12	A*33:30, 33:73N	21
A*33:13, 33:183	10	A*33:31, 33:44	22
A*33:16, 33:64	15	A*33:54, 33:164	24

[1]HLA-A alleles listed on the IMGT/HLA web page 2019-April-17, release 3.36.0, www.ebi.ac.uk/imgt/hla.
[2]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.
[3]The A*33:18:01-33:18:02 and the A*29:105 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*29 subtyping kit.
The A*33:51, 33:119 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*66 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.