

Olerup SSP® HLA-A*33

Product number:	101.432-12 – including <i>Taq</i> polymerase 101.432-12u – without <i>Taq</i> polymerase
Lot number:	7G0
Expiry date:	2021-03-01
Number of tests:	12
Number of wells per test:	31+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*33 LOT (7F1):

Well	5'-primer	3'-primer	rationale
1	-	Added	3'-primer added for the A*33:135 and A*33:141 alleles.
16	-	Added	3'-primer added for the A*33:140N allele.
18	-	-	Positive control primer pair exchanged for decreased tendency of primer oligomer formation.
20	Added	-	5'-primer added for the A*33:143N allele.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

All the HLA-A*33 alleles, i.e. **A*33:01 to A*33:146 alleles**, recognized by the HLA Nomenclature Committee in April 2018^{1,2} will be amplified by the primers in the HLA-A*33 SSP kit³.

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 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*33:11, 33:80N	12	A*33:30, 33:73N	21
A*33:16, 33:64	15	A*33:31, 33:44	22
A*33:17, 33:140N	16		

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¹HLA-A alleles listed on the IMGT/HLA web page 2018-April-16, release 3.32.0,
www.ebi.ac.uk/imgt/hla.

²Alleles 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>.

³The A*33:08 and A*31:99 alleles, the A*33:09 and the A*02:309, 26:22 and 66:09 alleles, the A*33:18:01-33:18:02 and the A*29:105 alleles, and 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*31, HLA-A*02, HLA-A*26, HLA-A*29 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.