

Olerup SSP® HLA-A*33

Product number: 101.432-12 – including *Taq* polymerase
101.432-12u – without *Taq* polymerase
Lot number: 7L9
Expiry date: 2025-02-01
Number of tests: 12
Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*33 LOT (8H5):

Well	5'-primer	3'-primer	rationale
12	Moved	Moved	Primer pairs moved to primer mixes 14 and 26 for improved HLA-specific amplification.
14	-	Added	3'-primer added from primer mix 12.
26	Added	Added	Primer pairs added from primer mix 12.
30	Exchanged	-	5'-primer exchanged for improved HLA-specific amplification.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

All the HLA-A*33 alleles, i.e. **A*33:01 to A*33:206 alleles**, recognized by the HLA Nomenclature Committee in October 2020^{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 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*33:29, 33:39	20
A*33:15, 33:187	14	A*33:30, 33:73N	21
A*33:16, 33:64	15	A*33:31, 33:44	22
A*33:17, 33:140N	16	A*33:54, 33:164	24

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Release Note

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¹HLA-A alleles listed on the IMGT/HLA web page 2020-October-15, release 3.42.0,
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 following 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 respective subtyping kits.

Alleles	Alleles
A*33:08, A*31:99	A*33:51, 33:119, A*66:15
A*33:13, 33:183, A*26:207	A*33:184, A*26:177
A*33:18:01-33:18:02, A*29:105	

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.