

Olerup SSP® HLA-A*23

Product number:	101.421-06 – including <i>Taq</i> polymerase 101.421-06u – without <i>Taq</i> polymerase
Lot number:	21Y
Expiry date:	2017-October-01
Number of tests:	6
Number of wells per test:	35+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*23 LOT (59V):

Well	5'-primer	3'-primer	rationale
12	Added	Added	Primer pair added for the A*23:69 allele.
14	-	Added	3'-primer added for the A*23:53 allele.
18	-	Added	3'-primer added for the A*23:01:16 allele.
19	Moved	Moved	Primer pair moved to well 35 for decreased tendency of primer oligomer formation.
27	-	Added	3'-primer added for the A*23:53 allele.
32	Added	Added	Updated negative control moved to well 36, primer pair added for the A*23:59 allele.
33	New	New	New primer pair added for the A*23:65 allele.
34	Added	Added	New primer pair added for the A*23:69 allele.
35	Added	Added	Primer pair added from well 19.
36	-	-	Updated negative control added from well 32.

THE NUMBER OF WELLS is increased from 32 to 36 wells.

ALLELE COVERAGE:

A*23:01 to A*23:69, i.e. all the currently recognized HLA-A*23 alleles, will be amplified by the primers in the HLA-A*23 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2015-January-19, release 3.19.0.

The HLA-A*23 kit enables separation of the confirmed HLA-A*23 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*23 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 HLA-A*23 subtyping kit cannot distinguish the silent mutations in the A*23:01:01-23:01:15 alleles, the A*23:03:01-23:03:02 alleles and the A*23:37:01-23:37:02 alleles.

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The following HLA-A*23 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
A*23:08N, 23:22	7	A*23:16, 23:29	20
A*23:09, 23:26	8	A*23:18, 23:28	4
A*23:10, 23:23	10	A*23:41, 23:42	25
A*23:13, 23:33	17		

¹Alleles 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>.

RESOLUTION IN HLA-A*23 HOMO- AND HETEROZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF HLA-A*23 SUBTYPINGS BY NON-HLA-A*23 ALLELES:

None frequently occurring.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.