

101.421-06 – including *Taq* polymerase

101.421-06u – without *Taq* polymerase

Lot No.: **59V**

Olerup SSP® HLA-A*23

Product number: 101.421-06 – including *Taq* polymerase
 101.421-06u – without *Taq* polymerase

Lot number: 59V

Expiry date: 2016-October-01

Number of tests: 6

Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS HLA-A*23 LOT (68R):

Well	5'-primer	3'-primer	rationale
4	-	Added	3'-primer added for the A*23:58 allele.
5	Modified	-	5'-primer modified for improved specificity.
7	-	Added	3'-primer added from well 26.
8	-	Added	3'-primer added from well 26.
11	Added	-	5'-primer added from well 28.
12	Modified	Modified	5'-primer and 3'-primer modified for improved specificity.
19	Added	-	5'-primer added from well 32.
20	Added	-	5'-primer added from well 32, 5'-primer added from well 28.
23	-	Added	3'-primer added for the A*23:58 allele.
26	Exchanged	Modified, moved	5'-primer exchanged and 3'-primer modified for the A*23:36 allele, 3'-primers moved to wells 7, 8 and 29.
27	-	Added	3'-primer added for the A*23:57 allele.
28	Added, moved	Added, moved	Primer pair added for the A*23:17 allele, 5'-primers moved to wells 11 and 20.
29	-	Added	3'-primer added from well 26.
30	-	Added	3'-primer added for the A*23:56 allele.
32	Moved	Moved	Primer pairs moved to wells 19 and 20, Negative control.

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

A*23:01 to A*23:60, 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, 2014-January-17, release 3.15.0.

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.

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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*23:01:01-23:01:13 alleles, the A*23:03:01-23:03:02 alleles and the A*23:37:01-23:37:02 alleles.

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*23:19Q, 23:31, 23:53	22
A*23:13, 23:33	17	A*23:41, 23:42	25
A*23:15, 23:27	19		

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:

In primer mix 5, the 5'-primer were modified for improved specificity.

In primer mix 12, the 5'-primer and 3'-primer were modified for improved specificity.