

## **Olerup SSP® HLA-A\*23**

**Product number:** 101.421-06 – including *Taq* polymerase  
 101.421-06u – without *Taq* polymerase  
**Lot number:** 7E3  
**Expiry date:** 2019-07-01  
**Number of tests:** 6  
**Number of wells per test:** 35+1

**CHANGES COMPARED TO THE PREVIOUS HLA-A\*23 LOT (21Y):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
4	Moved	Moved	Primer pairs moved to well 34 for improved HLA-specific amplification.
14	-	Added	3'-primer added for the A*23:68 allele.
19	-	-	Exchange of positive control primer pair for decreased tendency of primer oligomer formation.
34	Removed, Added	Removed, Added	Primer pairs removed. Primer pairs added from well 4 for improved HLA-specific amplification.

**THE NUMBER OF WELLS** is unchanged.

**ALLELE COVERAGE:**

A\*23:01 to A\*23:74, i.e. all the currently recognized HLA-A\*23 alleles, will be amplified by the primers in the HLA-A\*23 subtyping kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2016-October-14, release 3.25.0.

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 and 23:01:17-23:01:19 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:

<b>Alleles</b>	<b>Primer mix</b>	<b>Alleles</b>	<b>Primer mix</b>
A*23:08N, 23:22	7	A*23:13, 23:33	17
A*23:09, 23:26	8	A*23:16, 23:29	20
A*23:10, 23:23	10	A*23:41, 23:42	25

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<sup>1</sup>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>.

**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.