

## Olerup SSP<sup>®</sup> HLA-A\*23

**Product number:** 101.421-06 – including *Taq* polymerase  
101.421-06u – without *Taq* polymerase  
**Lot number:** 68R  
**Expiry date:** 2015-July-01  
**Number of tests:** 6  
**Number of wells per test:** 32

### CHANGES COMPARED TO THE PREVIOUS HLA-A\*23 LOT (54M):

Well	5'-primer	3'-primer	rationale
8	-	Added	3'-primer added for the A*23:48 allele.
15	-	Added	3'-primer added for the A*23:47 allele.
19	-	Added	3'-primer added for the A*23:49 allele.
24	-	Added	3'-primer added for the A*23:49 allele.
25	-	-	Exchanged positive control primer pair.
26	-	Added	3'-primer added for the A*23:48 allele.
29	Added	Added	Primer pair added for the A*23:47 allele, 3'-primer added for the A*23:37:02 allele.

THE NUMBER OF WELLS is unchanged.

#### ALLELE COVERAGE:

A\*23:01 to A\*23:55, 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), 2012-October-17, release 3.10.0.

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\*23:01:01-23:01:11 alleles, the A\*23:03:01-23:03:02 alleles and the A\*23:37:01-23:37:02 alleles.

The A\*23:08N and 23:22 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 7.

The A\*23:09 and 23:26 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 8.

The A\*23:10 and 23:23 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 10.

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The A\*23:13 and 23:33 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

The A\*23:15 and 23:27 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 19.

The A\*23:16 and 23:29 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 20.

The A\*23:18 and 23:28 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 4.

The A\*23:19Q and 23:53 and the A\*23:31 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 22.

The A\*23:36 and 23:39 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 26.

The A\*23:41 and 23:42 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 25.

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

The A\*23:01,23:01 and A\*23:01,23:17 genotypes give rise to identical amplification patterns.

**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.