

101.430-12 – including *Taq* polymerase

101.430-12u – without *Taq* polymerase

Lot No.: **14X**

## Olerup SSP® HLA-A\*31

**Product number:** 101.430-12 – including *Taq* polymerase  
101.430-12u – without *Taq* polymerase

**Lot number:** 14X

**Expiry date:** 2017-April-01

**Number of tests:** 12

**Number of wells per test:** 31+1

### CHANGES COMPARED TO THE PREVIOUS HLA-A\*31 LOT (16S):

Well	5'-primer	3'-primer	rationale
2	Added	Added	Primer pair added for the A*31:68 allele.
8	-	Added	3'-primer added for improved yield of the A*31:09 allele.
10	Added	Added	Primer pair added from well 20 for the A*31:56 allele.
18	-	Added	3'-primer added for the A*31:43 allele.
19	Added	Added	Primer pair added for the A*31:72 allele.
20	Moved, added	Moved	Primer pair moved to well 10, 5'-primer added for the A*31:20 allele.
21	Added	Added	5'-primer added from well 31, primer pair added for the A*31:43 allele.
24	-	Added	3'-primer added for the A*31:81 allele.
25	-	Added	3'-primer added from well 20 for the A*31:56 allele.
26	Added	Added	Primer pair added for the A*31:72 allele.
27	Added	Added	Primer pair added for the A*31:68 allele.
29	-	Added	3'-primer added for the A*31:81 allele.
30	-	Added	3'-primer added for the A*31:87 allele.
31	Moved, added	Removed, added	5'-primer moved to well 21, 3'-primer removed, primer pairs added from well 32
32	Moved	Moved	Primer pair moved to well 31, Negative Control.

**THE NUMBER OF WELLS** is unchanged.

#### ALLELE COVERAGE:

A\*31:01 to A\*31:88, i.e. all the currently recognized HLA-A\*31 alleles, will be amplified by the primers in the HLA-A\*31 subtyping kit<sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2014-April-14, release 3.16.0.

The HLA-A\*31 kit enables separation of the confirmed HLA- A\*31 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\*31 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 following HLA-A\*31 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*31:16, 31:46	16	A*31:36, 31:48	29
A*31:29, 31:59	25	A*31:44, A*33:15	29

The HLA-A\*31 subtyping kit cannot distinguish the silent mutations in the A\*31:01:02-31:01:22 alleles.

<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\*31 HOMO- AND HETEROZYGOTES:**

Very good.

**INFLUENCE ON THE INTERPRETATION OF HLA-A\*31 SUBTYPINGS BY NON-HLA-A\*31 ALLELES:**

None frequently occurring.

**MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:**

Primer mix 8, 3'-primer added for improved yield of the A\*31:09 allele.

Primer mix 20, 5'-primer added for the A\*31:20 allele.