

## **Olerup SSP® HLA-A\*30**

<b>Product number:</b>	<b>101.429-12 – including <i>Taq</i> polymerase</b> <b>101.429-12u – without <i>Taq</i> polymerase</b>
<b>Lot number:</b>	<b>45Y</b>
<b>Expiry date:</b>	<b>2017-November-01</b>
<b>Number of tests:</b>	<b>12</b>
<b>Number of wells per test:</b>	<b>31+1</b>

### **CHANGES COMPARED TO THE PREVIOUS HLA-A\*30 LOT (38V).**

Well	5'-primer	3'-primer	rationale
8	Added	-	5'-primer added for increased yield.
13	Added	-	5'-primer added for the A*30:01:08 allele.
22	-	Modified	3'-primer modified for increased HLA-specific amplification.
23	Added	Added	Primer pair added from well 31.
24	-	Modified	Modified 3'-primer for the A*30:78N allele.
25	Added	Added	Primer pair added from well 31.
26	Added	Added	Primer pair added for the A*30:81 allele.
31	Moved, added	Moved, added	Primer pairs moved to wells 23 and 25, primer pair added for the A*30:80 allele.
32	-	-	Updated negative control.

**THE NUMBER OF WELLS** is unchanged.

#### **ALLELE COVERAGE:**

A\*30:01 to A\*30:93, i.e. all the currently recognized HLA-A\*30 alleles, will be amplified by the primers in the HLA-A\*30 subtyping kit; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2015-January-19, release 3.19.0<sup>1</sup>.

The HLA-A\*30 kit enables separation of the confirmed HLA-A\*30 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\*30 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\*30 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix
*30:42, 30:81	26

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The HLA-A\*30 kit cannot distinguish silent mutations in the A\*30:01:01-A\*30:01:10 alleles, the 30:02:01-30:02:04, 30:02:06-30:02:13 and 30:02:15-30:02:16 , the A\*30:04:01-30:04:02 or the A\*30:11:01-30:11:02 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\*30 HOMO- AND HETEROZYGOTES:**

The A\*30:01,30:01, A\*30:01,30:02 and A\*30:02,30:02 genotypes give rise to unique amplification patterns.

**INFLUENCE ON THE INTERPRETATION OF HLA-A\*30 SUBTYPINGS BY NON-HLA-A\*30 ALLELES:**

None frequently occurring.

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

No comments received.