

Lot No.: **07E**

Release Note

## **Olerup SSP® HLA-Cw high resolution for frequent alleles**

**Product number:** 101.707-12 – including *Taq* polymerase  
101.707-12u – without *Taq* polymerase  
**Lot number:** 07E  
**Expiry date:** 2010-February-01  
**Number of tests:** 12  
**Number of wells per test:** 95 + 1

### **CHANGES COMPARED TO THE PREVIOUS HLA-CW HIGH RESOLUTION FOR FREQUENT ALLELES LOT (X28):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
8	-	Added	Primer added for the Cw*0220 allele.
11	-	1 modified, 1 added	Primer improved for increased yield of specific PCR product. Primer added for the Cw*0346 allele.
12	Added	Added	Primer pair added for the Cw*0753 allele.
15	-	Added	Primer added for the Cw*030407 allele.
21	Removed	-	Superfluous primer removed.
23	-	-	Changed to the 800 bp internal control primer pair.
25	Exchanged	Exchanged	New primer pair for the Cw*0341 allele.
27	-	Added	Primer added for the Cw*0430 allele.
28	-	Added	Primer improved for increased yield of specific PCR product.
33	Added	-	Primer improved for increased yield of specific PCR product.
37	Added	Added	Primer pair added for the Cw*0750 allele.
43	Modified	-	Primer modified for increased specificity.
45	Added	-	Primer added for the Cw*0347 allele.
46	2 added	-	Primers added for increased yield of specific PCR product.
51	-	Added	Primer for the Cw*0119 allele added.
65	Added	Added	Primer pair for the Cw*0428 allele added.
79	Added	-	Primer added for the Cw*1521 allele.
80	Added	-	Primer added for the Cw*0344 allele.
88	-	Added	Primer for the Cw*0431 allele added.

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**THE NUMBER OF WELLS** is unchanged.

### ALLELE COVERAGE:

All the HLA-Cw alleles, i.e. **Cw\*0102 to Cw\*1803**, recognized by the HLA Nomenclature Committee in January 2008<sup>1</sup> will be amplified by the primers in the HLA-Cw high resolution for frequent alleles SSP kit and will give rise to unique amplification patterns, with the exceptions that following alleles have the same amplification patterns:

Cw\*0106 and Cw\*0111  
Cw\*0116, Cw\*0117, Cw\*0118 and Cw\*0119  
Cw\*0203 and Cw\*0218  
Cw\*0204 and Cw\*0214  
Cw\*0205 and Cw\*0217  
Cw\*0306 and Cw\*0328  
Cw\*0309 and Cw\*0323  
Cw\*0321 and Cw\*0322Q  
Cw\*0334 and Cw\*0344  
Cw\*0337 and Cw\*0346  
Cw\*0407 and Cw\*0427  
Cw\*0408, Cw\*0409N and Cw\*0430  
Cw\*041502 and Cw\*0417  
Cw\*0418 and Cw\*0419

Cw\*0423 and Cw\*0431  
Cw\*0424, Cw\*0425 and Cw\*0426  
Cw\*0506 and Cw\*0515  
Cw\*0608 and Cw\*0613  
Cw\*0615 and Cw\*0616N  
Cw\*0703 and Cw\*0717  
Cw\*0715 and Cw\*0738  
Cw\*0722 and Cw\*0735  
Cw\*0725 and Cw\*0732N  
Cw\*0733N and Cw\*0751  
Cw\*0747 and Cw\*0748  
Cw\*0804 and Cw\*0813  
Cw\*1509 and Cw\*1519  
Cw\*1511 and Cw\*1517

<sup>1</sup>HLA-Cw alleles listed on the IMGT/HLA web page 2008-January-11, release 2.20.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

## GENOTYPIC RESOLUTION IN:

The HLA-Cw high resolution for frequent alleles kit can generate 249 different amplification patterns, that can be combined in 31 125 genotypes. 2 278 of these genotypes do not give rise to unique amplification patterns, i.e 7% of the genotypes do not give rise to unique amplification patterns.