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

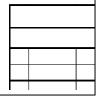
Lot number: 07E

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):

ALLELES LOT (AZO).			
Well	5'-primer	3'-primer	rationale
8	-	Added	Primer added for the Cw*0220 allele.
11	-	1 modified,	Primer improved for increased yield of
		1 added	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.



HLA-Cw high resolution for frequent alleles 101.707-12 – including *Taq* polymerase 101.707-12u – without *Taq* polymerase

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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 2008¹ 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*0423 and Cw*0431 Cw*0116, Cw*0117, Cw*0118 and Cw*0119 Cw*0424, Cw*0425 and Cw*0426 Cw*0203 and Cw*0218 Cw*0506 and Cw*0515 Cw*0204 and Cw*0214 Cw*0608 and Cw*0613 Cw*0205 and Cw*0217 Cw*0615 and Cw*0616N Cw*0306 and Cw*0328 Cw*0703 and Cw*0717 Cw*0309 and Cw*0323 Cw*0715 and Cw*0738 Cw*0321 and Cw*0322Q Cw*0722 and Cw*0735 Cw*0334 and Cw*0344 Cw*0725 and Cw*0732N Cw*0337 and Cw*0346 Cw*0733N and Cw*0751 Cw*0407 and Cw*0427 Cw*0747 and Cw*0748 Cw*0408, Cw*0409N and Cw*0430 Cw*0804 and Cw*0813 Cw*041502 and Cw*0417 Cw*1509 and Cw*1519 Cw*0418 and Cw*0419 Cw*1511 and Cw*1517

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.

¹HLA-Cw alleles listed on the IMGT/HLA web page 2008-January-11, release 2.20.0, www.ebi.ac.uk/imgt/hla.