

101.115-24/03 – including *Taq* polymerase  
 101.115-24u/03u – without *Taq* polymerase

Lot No.: **07R**

## **Olerup SSP® DRB1\*11**

**Product number:** 101.115-24/03 – including *Taq* pol.  
 101.115-24u/03u – without *Taq* pol.  
**Lot number:** 07R  
**Expiry date:** 2015-March-01  
**Number of tests:** 24 tests – Product No. 101.115-24  
 3 tests – Product No. 101.115-03  
**Number of wells per test:** 40

### **Changes compared to the previous DRB1\*11 Lot (42M):**

Well	5'-primer	3'-primer	rationale
11	-	Moved	Primer pair for the DRB1*11:94 allele moved to well 33, to decrease tendencies of primer oligomer formation.
18	-	Modified	Increased yield of HLA-specific PCR product, exchanged positive control primer pair.
20	-	Moved	Primer pair for the DRB1*11:88 allele moved to well 33, to improve specificity of amplification.
22	-	Moved	Primer pair for the DRB1*11:94 allele moved to well 33, to improve specificity of amplification.
33	Added	Added	Primer pairs from wells 11, 20 and 22.
34	New	New	New primer pairs for the DRB1*11:96 and 11:97 alleles.
35	New	New	New primer pair for the DRB1*11:98 allele.
36	New	New	New primer pairs for the DRB1*11:99, 11:102:01-11:102:02 and 11:110 alleles.
37	New	New	New primer pair for the DRB1*11:101 allele.
38	New	New	New primer pairs for the DRB1*11:106 allele and to resolve the 11:46:02 and 11:78 alleles.
39	New	New	New primer pair for the DRB1*11:108 allele.
40	New	New	New primer pairs for the DRB1*11:116 and 11:120 alleles.

**THE NUMBER OF WELLS** is increased from 32 to 40.

### **ALLELE COVERAGE:**

DRB1\*11:01 to DRB1\*11:126, i.e. all the currently recognized DRB1\*11 alleles, will be amplified by the primers in the DRB1\*11 subtyping kit; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2012-April-12, release 3.8.0.

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The DRB1\*11 kit enables separation of the confirmed DRB1\*11 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 DRB1\*11 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 DRB1\*11 subtyping kit cannot distinguish the silent mutations in the DRB1\*11:01:01-11:01:11 and 11:01:13-11:01:16, 11:02:01-11:02:02, 11:04:01-11:04:03 and 11:04:05-11:04:08, 11:06:01-11:06:02, 11:08:01-11:08:02, 11:10:01-11:10:02, 11:11:01-11:11:02, 11:13:01-11:13:02, 11:14:01-11:14:02, 11:19:01-11:19:03, 11:27:01-11:27:03, 11:28:01-11:28:02, 11:37:01-11:37:02, 11:49:01-11:49:02, 11:54:01-11:54:02, 11:58:01-11:58:02, 11:65:01-11:65:02, 11:74:01-11:74:02, 11:84:01-11:84:02 and 11:102:01-11:102:02 alleles.

<sup>1</sup>The DRB1\*11:24 and 11:91 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 16.

The DRB1\*11:61 and 11:90 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 12.

#### **RESOLUTION IN DRB1\*11 HOMOZYGOTES:**

Good.

#### **INFLUENCE ON THE INTERPRETATION OF DRB1\*11 SUBTYPINGS BY NON-DRB1\*11 ALLELES:**

Most frequently encountered DRB1\*03,11; DRB1\*11,13 and DRB1\*11,14 genotypes give rise to unique amplification patterns except for the DRB1\*11:01,14:01 genotype, which gives an identical pattern as the DRB1\*11:29,14:01 genotype.

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

No suggestions received.