

## **Olerup SSP<sup>®</sup> HLA-B\*41**

**Product number:** 101.542-06 – including *Taq* polymerase  
101.542-06u – without *Taq* polymerase  
**Lot number:** 20S  
**Expiry date:** 2015-November-01  
**Number of tests:** 6  
**Number of wells per test:** 16

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*41 LOT (68N).**

Well	5'-primer	3'-primer	rationale
3	Modified	Added	Improved specificity of primer pair, 3'-primer added for the B*41:22 allele.
5	-	Added	3'-primer added for the B*41:23 allele.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

**B\*41:01 to B\*41:26** i.e. all the currently recognized HLA-B\*41 alleles, will be amplified by the primers in the HLA-B\*41 SSP kit <sup>1</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2013-January-11, release 3.11.0.

The HLA-B\*41 kit enables separation of the confirmed HLA-B\*41 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-B\*41 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 B\*41:07 and 41:12 alleles can be distinguished by the different sizes of the specific PCR products generated by primer mix 4

The HLA-B\*41 subtyping kit cannot distinguish the silent mutations in the B\*41:02:01-41:02:04 alleles.

<sup>1</sup>The 41:08, 40:136 and 40:231 alleles give rise to identical amplification patterns with the HLA-B\*41 high resolution kit. These two alleles can be distinguished by the HLA-B low resolution and/or HLA-B\*40 kits.

The B\*41:09 and 45:08 alleles give rise to identical amplification patterns with the HLA-B\*41 high resolution kit. These two alleles can be distinguished by the HLA-B low resolution and/or HLA-B\*45 kits.

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**RESOLUTION IN HLA-B\*41 HOMO- AND HETEROZYGOTES:**

Good.

**INFLUENCE ON THE INTERPRETATION OF HLA-B\*41 SUBTYPINGS BY NON-HLA-B\*41 ALLELES:**

None frequently occurring.

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

No suggestions received.