

101.513-24/04 – including *Taq* polymerase

101.513-24u/04u – without *Taq* polymerase

Lot No.: **29X**

## **Olerup SSP® HLA-B\*08**

**Product number:** 101.513-24/04 – including *Taq* pol.  
101.513-24u/04u - without *Taq* pol.  
**Lot number:** 29X  
**Expiry date:** 2017-April-01  
**Number of tests:** 24 tests – Product No. 101.513-24  
4 tests – Product No. 101.513-04  
**Number of wells per test:** 47+1

### **CHANGES COMPARED TO THE PREVIOUS HLA-B\*08 LOT (35S):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
4	Added	Added	Primer pair added for the B*08:113 allele.
9	Added	-	5'-primer added for the B*08:71 allele.
22	-	Added	3'-primer added for the B*08:109 allele.
24	Added	-	5'-primer added for the B*08:101 allele.
25	Added	-	5'-primer added for the B*08:71 allele.
28	Added	Added	Primer pair added from well 46.
30	Moved, added	Moved, added	Primer pair moved to well 36, primer pair added from well 48.
32	Added	Added	5'-primer added for the B*08:01:23, 3'-primer added for the B*08:01:25 allele.
34	Added	Added	Primer pair added for the B*08:84 allele.
35	Added	Added	Primer pair added for the B*08:113 allele.
36	Added	-	5'-primer added from well 30.
37	Added	-	5'-primer added for the B*08:105 allele.
38	Added	-	5'-primer added for the B*08:105 allele.
41	Added	Added	Primer pair added for the B*08:108 allele.
46	Moved, added	Moved, added	Primer pair moved to well 28, primer pair added for the B*08:104 allele.
47	-	Added	3'-primer added for the allelic resolution of B*08:78 and B*08:03 alleles.
48	Moved	Moved	Primer pair moved to well 30, negative control.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

B\*08:01 to B\*08:134, i.e. all the currently recognized HLA-B\*08 alleles, will be amplified by the primers in the HLA-B\*08 subtyping kit<sup>1,2</sup>; [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla), 2014-July-25, release 3.17.0.

The HLA-B\*08 kit enables separation of the confirmed HLA-B\*08 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.

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The HLA-B\*08 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-B\*08 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

Alleles	Primer mix	Alleles	Primer mix
B*08:11, 08:76	13	B*08:45, 08:59:01-08:59:02	34
B*08:19N, 08:109	22	B*08:51, 08:57	35
B*08:21, 08:47	23	B*08:58, 08:61	38
B*08:33, 08:53:01-08:53:02	36	B*08:68, 08:69	45
B*08:41, 08:48	37		

The HLA-B\*08 subtyping primer set cannot distinguish the silent mutations in the B\*08:01:01-08:01:30 alleles, the B\*08:12:01-08:12:03 alleles, the B\*08:26:01-08:26:02 alleles, the B\*08:53:01-08:53:02 alleles, the B\*08:56:01-08:56:02 or the 08:59:01-08:59:02 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>.

<sup>2</sup> The HLA-B\*08 primer set cannot separate the B\*08:94 and the B\*35:87 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*35 high resolution kit.

#### **RESOLUTION IN HLA-B\*08 HOMO- AND HETEROZYGOTES:**

The B\*08:01,08:01 genotype gives rise to a unique amplification pattern.

#### **INFLUENCE ON THE INTERPRETATION OF HLA-B\*08 SUBTYPINGS BY NON-HLA-B\*08 ALLELES:**

None frequently occurring.

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

No comments received.