

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

Lot No.: **0E2**

## **Olerup SSP® HLA-B\*08**

**Product number:** 101.513-24/04 – including *Taq* pol.  
101.513-24u/04u – without *Taq* pol.  
**Lot number:** 0E2  
**Expiry date:** 2018-10-01  
**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 (29X):**

<b>Well</b>	<b>5'-primer</b>	<b>3'-primer</b>	<b>rationale</b>
5	-	Added	3'-primer added for the B*08:148N allele.
20	-	Added	3'-primer added for the B*08:148N allele.
24	Added	-	5'-primer added for the B*08:128 allele.
26	Moved, Added	Removed, Added	5'-primer moved to well 27, 3'-primer removed, primer pair added for the B*08:136 allele.
27	Added	Exchanged	5'-primer added from well 26, 3'-primer exchanged for improved HLA-specific amplification.
29	Added	Added	3'-primer added for the B*08:137 allele.
30	-	Added	3'-primer added for the B*08:135 allele.
33	-	Added	3'-primer added for the B*08:135 allele.
34	Removed	Removed	Primer pair removed for improved HLA-specific amplification.
36	Added	-	5'-primer added from well 34 for the B*08:84 allele.
39	-	Added	3'-primers added for the B*08:132 and B*08:137 alleles.
42	Added	-	5'-primer added for the B*08:150 allele.
45	Added	-	5'-primer added for the B*08:150 allele.
46	Added	-	5'-primer added for the B*08:140 allele.
47	-	Modified	3'-primer modified for increased amplification.
48	-	-	Updated negative control.

**THE NUMBER OF WELLS** is unchanged.

### **ALLELE COVERAGE:**

B\*08:01 to B\*08:156, 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), 2015-October-10, release 3.22.0.

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*08:29, 08:30N	27	B*08:68, 08:69	45
B*08:33, 08:53:01-08:53:02	36	B*08:101, 08:128	24
B*08:41, 08:48	37	B*08:104, 08:140	46
B*08:44, 08:145	19		

The HLA-B\*08 subtyping primer set cannot distinguish the silent mutations in the B\*08:01:01-08:01:31 alleles, the B\*08:12:01-08:12:03 alleles, the B\*08:26:01-08:26:03 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 or the B\*08:156 and the B\*15:180 alleles. These alleles can be distinguished by the HLA-B low resolution kit and/or the HLA-B\*35 or the HLA-B\*15 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.