

Lot No.: **33K**

Olerup SSP[®] HLA-B*18

Product number: 101.519-12 – including *Taq* polymerase
101.519-12u - without *Taq* polymerase
Lot number: 33K
Expiry date: 2012-August-01
Number of tests: 12
Number of wells per test: 32

CHANGES COMPARED TO THE PREVIOUS HLA-B*18 LOT (87F):

| Well | 5'-primer | 3'-primer | rationale |
|------|-----------|-----------|---|
| 4 | Moved | Moved | Primer pair moved to well 32. |
| 7 | Added | Added | Primer pair added for the B*18:41 allele. |
| 11 | - | Added | Primer added for the B*18:36 allele. |
| 12 | Added | Added | Primer pair added for the B*18:41 allele. |
| 13 | Modified | - | Improved specificity. |
| 15 | Added | - | Primer added for the B*18:44 allele. |
| 17 | Added | Added | Primer pair added for the B*18:47 allele. |
| 18 | Exchanged | - | Improved specificity and yield of specific PCR product. |
| 19 | - | Added | Primer added for the B*18:39 allele. |
| 23 | Exchanged | Exchanged | New primer pair for the B*18:21 and 18:40 alleles. Exchanged positive control primer pair |
| 25 | New | New | New primer pair for the B*18:35 and 18:48 alleles. |
| 26 | New | New | New primer pair for the B*18:43 allele. |
| 27 | New | New | New primer pair for the B*18:37 and 18:46 alleles. |
| 28 | New | New | New primer pair for the B*18:38 and 18:45 alleles. |
| 29 | New | New | New primer pair for the B*18:42 allele. |
| 30 | New | New | New primer pair for the B*18:34 allele. |
| 31 | New | New | New primer pair for the B*18:49 allele. |
| 32 | Added | Added | Primer pair from well 4. |

THE NUMBER OF WELLS has been increased from 24 to 32.

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ALLELE COVERAGE:

B*18:01 to B*18:49, i.e. all the currently recognized HLA-B*18 alleles, give rise to unique amplification patterns¹; www.ebi.ac.uk/imgt/hla, 2010-April-01 release 3.0.0.

¹The B*18:18 and 18:47 alleles may can be distinguished by the different sizes of the specific PCR products generated by primer mix 17.

The B*18:37 and 18:46 alleles may can be distinguished by the different sizes of the specific PCR products generated by primer mix 27.

The B*18:38 and 18:45 alleles may can be distinguished by the different sizes of the specific PCR products generated by primer mix 28.

RESOLUTION IN HLA-B*18 HOMO- AND HETEROZYGOTES:

The B*18:01,18:01 genotype gives rise to a unique amplification pattern.

INFLUENCE ON THE INTERPRETATION OF HLA-B*18 SUBTYPINGS BY NON-HLA-B*18 ALLELES:

The B*08:xx,18:01 and B*08:xx,18:26 genotypes give rise to the same amplification patterns.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.