

101.214-24/06 – including *Taq* polymerase

101.214-24u/06u – without *Taq* polymerase

Lot No.: **06V**

Olerup SSP® DQB1*03

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|----------------------------------|------------------------------------------------------------------------------------------------------|
| Product number: | 101.214-24/06 – including <i>Taq</i> pol. 101.214-24u/06u – without <i>Taq</i> pol. |
| Lot number: | 06V |
| Expiry date: | 2016-June-01 |
| Number of tests: | 24 test – Product No. 101.214-24/24u 6 tests – Product No. 101.214-06/06u |
| Number of wells per test: | 47+1 |

CHANGES COMPARED TO THE PREVIOUS DQB1*03 LOT (61S):

| Well | 5'-primer | 3'-primer | rationale |
|------|-----------|-----------------|---------------------------------------------------------------------------------------------------------------------|
| 7 | - | Added | 3'-primers added for the DQB1*03:84N and DQB1*03:88 alleles. |
| 17 | Added | - | 5'-primers added for the DQB1*03:85 and DQB1*03:87 alleles. |
| 19 | - | - | Exchanged positive control primer pair. |
| 23 | - | Added | 3'-primers added for the DQB1*03:84N and DQB1*03:89 alleles. |
| 25 | Added | Added | 5'-primer added for the DQB1*03:79 allele, 3'-primer added for the DQB1*03:80 allele. |
| 27 | Added | - | 5'-primers added for the DQB1*03:85 and DQB1*03:87 alleles. |
| 31 | - | Added | 3'-primer added for the DQB1*03:83 allele. |
| 34 | - | Added | 3'-primer added for the DQB1*03:82 allele. |
| 37 | Added | - | 5'-primer added for the DQB1*03:77 allele. |
| 38 | - | Added | 3'-primer added for the DQB1*03:83 allele. |
| 39 | - | Modified, added | Modified 3'-primer for improved specificity of HLA-specific primer pair, 3'-primer added for the DQB1*03:86 allele. |
| 41 | Added | - | 5'-primer for the DQB1*03:75 allele. |
| 42 | Added | - | 5'-primer added for the DQB1*03:76 allele. |
| 44 | Added | - | 5'-primer added for the DQB1*03:78 allele. |
| 45 | New | New | New primer pair for the DQB1*03:81 allele. |
| 46 | New | New | New primer pair for the DQB1*03:88 and DQB1*03:89 alleles. |
| 47 | New | New | New primer pair for the DQB1*03:19 allele. |
| 48 | - | - | Negative Control |

THE NUMBER OF WELLS has been increased from 45 to 48.

ALLELE COVERAGE:

DQB1*03:01 to DQB1*03:89, i.e. all the currently recognized DQB1*03 alleles, give rise to unique amplification patterns; www.ebi.ac.uk/imgt/hla, 2013-July-25, release 3.13.1^{1,2}.

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The following DQB1*03 alleles can be distinguished by the different sizes of the HLA-specific PCR product:

| Alleles | Primer mix |
|-------------------|------------|
| DQB1*03:53, 03:77 | 37 |

The DQB1*03 subtyping kit cannot distinguish the following silent mutations: the DQB1*03:01:01:01-03:01:02, 03:01:04-03:01:07, 03:01:09-03:01:12, 03:01:14, 03:01:16-03:01:20, the DQB1*03:01:13 and 03:01:15, the DQB1*03:02:01-03:02:09, the DQB1*03:03:02:01-03:03:05 and DQB1*03:03:07, the DQB1*03:05:01-03:05:04, the DQB1*03:14:01-03:14:02 and the DQB1*03:17:01-03:17:02 alleles.

¹ 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>.

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RESOLUTION IN DQB1*03 HOMOZYGOTES:

Good.

INFLUENCE ON THE INTERPRETATION OF DQB1*03 SUBTYPINGS BY NON-DQB1*03 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No modifications have been made.