

101.213-24 – including *Taq* polymerase

101.213-24u – without *Taq* polymerase

Lot No.: 7H7

Olerup SSP® DQB1*02

Product number: 101.213-24 – including *Taq* polymerase
101.213-24u – without *Taq* polymerase
Lot number: 7H7
Expiry date: 2023-05-01
Number of tests: 24
Number of wells per test: 31+1

CHANGES COMPARED TO THE PREVIOUS DQB1*02 LOT (6G3):

| Well | 5'-primer | 3'-primer | rationale |
|------|-----------|-----------|--|
| 8 | - | Added | 3'-primer added for improved yield of the DRB1*02:10 allele. |
| 22 | Removed | Removed | Redundant primer pair removed. |

THE NUMBER OF WELLS is unchanged.

ALLELE COVERAGE:

DQB1*02:01 to DQB1*02:112, i.e. all the currently recognized DQB1*02 alleles, will be amplified by the primers in the DQB1*02 subtyping kit¹; www.ebi.ac.uk/imgt/hla, 2018-October-18, release 3.34.0.

The DQB1*02 kit enables separation of the confirmed DQB1*02 alleles as listed in the IMGT/HLA database 3.26.0. 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 DQB1*02 kit also enables identification of null and alternatively expressed alleles.

The following DQB1*02 alleles can be distinguished by the different sizes of the specific PCR product:

| Alleles | Primer mix | Alleles | Primer mix |
|-------------------------------|------------|--------------------|------------|
| DQB1*02:07:01-02:07:02, 02:16 | 9 | DQB1*02:20N, 02:22 | 16 |
| DQB1*02:09, 02:24 | 11 | DQB1*02:21, 02:35 | 15 |
| DQB1*02:15, 02:29 | 18 | DQB1*02:27, 02:28 | 22 |
| DQB1*02:18N, 02:34 | 14 | DQB1*02:41, 02:53Q | 23 |

¹Alleles 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>.

RESOLUTION IN DQB1*02 HOMO- AND HETEROZYGOTES:

Very good.

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INFLUENCE ON THE INTERPRETATION OF DQB1*02 SUBTYPINGS BY NON-DQB1*02 ALLELES:

None of importance.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

In primer mix 8, a 3'-primer was added for improved yield of the DQB1*02:10 allele.

Changes in revision R02 compared to R01:

1. The expiration date was altered due to extension of shelf-life.