

Lot No.: **3E2**

Olerup SSP® DQA1*02,05;DQB1*02,03:02

Product number: 101.903-24 – including *Taq* pol.
 101.903-24u – without *Taq* pol.
Lot number: 3E2
Expiry date: 2019-04-01
Number of tests: 24 tests
Number of wells per test: 20+1

The DQA1*02,05;DQB1*02,03:02 kit has been redesigned and improved with regards to allelic detection and discrimination and facilitated interpretation. The kit resolution focuses on common and well documented (CWD) alleles¹.

The kit contains 20 primer mixes for the DQA1 and DQB1 alleles and includes a negative control.

Three wells have been added to DQA1*02,05;DQB1*02,03:02;
 Two wells for DQA1 alleles and one well for DQB1 alleles.

The primers of the wells detailed below have been exchanged, added or modified compared to the previous lot.

Well	5'-primer	3'-primer	rationale
8	New	New	New primer pair for the DQA1*03:01 allele.
9	New	New	New primer pair for the allelic resolution of the DQA1*01 alleles.
20	New	New	New primer pair for the allelic resolution of the DQB1*03:02 alleles.

THE NUMBER OF WELLS is increased from 18 to 21.

¹S. J. Mack¹, P. Cano², J. A. Hollenbach¹ et al.
 Common and well-documented HLA alleles: 2012 update to the CWD catalogue. Tissue Antigens, 2013, 81, 194–203

ALLELE COVERAGE:

DQA1 and DQB1 alleles recognized by the HLA Nomenclature Committee in July 2016^{1,2} have been considered in the specificity and interpretation tables of the DQA1*02,05;DQB1*02,03:02 kit.

The DQA1*02,05;DQB1*02,03:02 subtyping kit cannot distinguish the silent mutations in the DQA1*03:01:01 and 03:01:03, the DQA1*03:03:01-03:03:02, the DQA1*05:01:01:01-05:01:02 and DQA1*05:05:01:01-05:05:01:06 alleles, the DQB1*02:01:01-02:01:06 and 02:01:08-02:01:20, 02:01:22-02:01:24 the DQB1*02:01:07 and 02:01:21, the DQB1*02:02:01:01-02:02:02, the DQB1*03:01:01-03:01:07 and 03:01:09-03:03:33, the DQB1*03:02:01-03:02:09, 03:02:12-03:02:13 and 03:02:15-03:02:19 or the DQB1*03:02:10 and 03:02:14 alleles.



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¹DQA1 and DQB1 alleles listed on the IMGT/HLA web page 2016-July-14, release 3.25.0, www.ebi.ac.uk/imgt/hla.

²Alleles 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 HOMOZYGOTES:

Good.

MODIFICATIONS MADE DUE TO COMMENTS FROM CUSTOMERS:

No comments received.