

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: 07Y
Expiry date: 2017-August-01
Number of tests: 24 tests
Number of wells per test: 17+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 new kit contains 17 primer mixes for the DQA1 and DQB1 alleles and includes a negative control.

CHANGES COMPARED TO THE PREVIOUS DQA1*02,05;DQB1*02,03:02 LOT (92S):

Well	5'-primer	3'-primer	rationale
1	-	-	Primer pair for DQA1*02:01 alleles.
2	Changed well position	Changed well position	Primer pair for the DQA1*03 alleles. Previously well 16.
3	Changed well position	Changed well position	Primer pair for the DQA1*05 alleles. Previously well 2.
4	Changed well positions	Changed well positions	Primer pairs for improved allelic resolution within the DQA1*05 group. Previously well 12 and 14.
5	Changed well position	Changed well position	Primer pair for improved allelic resolution within the DQA1*05 group. Previously well 15.
6	New	New	Primer pair for separation of DQA1*05:05 and 05:09 from *05:01. Previously well 15.
7	New	New	Primer pair for DQA1*05:09 allele.
8	Changed well position	Changed well position	Primer pair for the DQB1*02 alleles. Previously well 3.
9	New	New	Primer pair for DQB1*02:02 without *02:01 allele.
10	New	New	Primer pair for DQB1*02:01 without 02:02 allele.
11	New	New	Primer pair for the DQ9 serologic group of alleles.
12	Changed well position	Changed well position	Primer pair for the DQ8 serologic group of alleles. Previously well 5.
13	Changed well position	Changed well position	Primer pair for the DQ8- and DQ9 serologic groups of alleles. Previously well 6
14	New	New	Primer pairs for improved allelic resolution within the DQB1*03 group.
15	Changed well position	Changed well position	Primer pair for the DQB1*03 alleles. Previously well 11.
16	New	New	Primer pair for improved allelic resolution within the DQ7 serologic group of alleles.
17	New	New	Primer pair for the DQ7 serologic group of alleles.
18	New	New	Negative Control.

THE NUMBER OF WELLS has been reduced from 20 to 18 wells.

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

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DQA1 and DQB1 alleles recognized by the HLA Nomenclature Committee in October 2014^{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*05:01:01:01-05:01:02 and 05:05:01:01-05:05:01:03 alleles, the DQB1*02:01:01-02:01:06 and 02:01:08-02:01:19, the DQB1*03:02:01-03:02:09, 03:02:12-03:02:13 and 03:02:15-03:02:17 or the DQB1*03:02:10 and 03:02:14 alleles.

¹DQA1 and DQB1 alleles listed on the IMGT/HLA web page 2014-October-10, release 3.18.0, 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.