DQ low Lot No: 2V5 Expiry Date: 2029-06-01

(101.201-48/12- 48u/12u)

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sample ID:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

DNA Conc.(ng/ul):\_\_\_\_\_\_\_\_\_

Test Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tested By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Reviewed By:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Interpretation:\_\_\_\_\_\_\_\_\_\_\_ Failed lanes*: \_\_\_\_\_\_\_\_\_\_\_\_ *Comments:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

**Gel Picture**

|  |
| --- |
| PHOTO DOCUMENT |



Abbreviations

ICB: Internal Control Band

AmpS: Amplicon size

**Notes:**

Product sizes are approximate. For detailed information, see the lot-specific Specificity Table and Interpretation Table.

This table is intended as a guide. For interpretation always use the Interpretation Table and/or Specificity Table.

HLA-Specific PCR products shorter than 125 base pairs have a lower intensity and are less sharp than longer PCR products.

Primer mixes 5, 6, 8, 11 and 12 may give a lower yield of HLA-specific PCR products than the other DQ low primer mixes.

Primer mixes 6, 7 and 13 may have tendencies of unspecific amplification.

Primer mix 2 may have tendencies for primer oligomer formation.

Primer mix 16 contains a negative control, which will amplify the majority of the HLA amplicons as well as the amplicons generated by the control primer pairs matching the human growth hormone gene. HLA-specific PCR product sizes range from 75 to 200 base pairs and the PCR product generated by the HGH positive control primer pair is 200 base pairs.







1HLA-DQB1 alleles listed on the IMGT/HLA web page 2025-April-09 release 3.59.0, 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.

3The serological split of the DQB1\*05:05 to 05:357 alleles, the DQB1\*06:33 to 06:525 alleles, the DQB1\*02:08-02:245 alleles, the DQB1\*03:20-03:572 alleles and the DQB1\*04:02-04:104 alleles are not known. The grouping of not serologically defined alleles is taken from the expert-assigned serological grouping in Tissue Antigens (2009) 73:95-170.

4The DQ low alleles will be grouped into their corresponding serological specificities, except for the following alleles that will give rise to identical amplification patterns:

|  |
| --- |
| **Alleles** |
| DQB1\*05:01:01:01-05:01:15, 05:01:17-05:02:26, 05:02:28-05:03:23, 05:03:26-05:03:38, 05:05:01-05:43:02, 05:45-05:51, 05:53, 05:55-05:59, 05:61-05:71, 05:73-05:76, 05:78-05:81, 05:84-05:97, 05:99-05:104, 05:106-05:113, 05:115, 05:117-05:127, 05:129-05:131, 05:133-05:145, 05:147-05:174, 05:177-05:206N, 05:208N-05:217, 05:219-05:243, 05:245-05:257, 05:259-05:261, 05:263-05:299, 05:301-05:303, 05:305-05:343, 05:345-05:349, 05:351-05:357, 06:325 |
| DQB1\*05:344, DQB1\*06:01:07, 06:01:32, 06:01:35, 06:03:11, 06:04:01:01-06:05:01, 06:07:01-06:07:02, 06:09:01:01-06:09:13, 06:12, 06:17, 06:21-06:22:03, 06:25, 06:28, 06:34-06:36, 06:38-06:39, 06:42, 06:45, 06:52-06:53:02, 06:69:01-06:69:02, 06:85-06:86, 06:88:01:01-06:89, 06:92:02-06:94, 06:118:01-06:118:03, 06:119, 06:121, 06:129, 06:135, 06:142, 06:144N, 06:149, 06:155, 06:158N, 06:160, 06:164, 06:171, 06:180, 06:186, 06:189, 06:193N, 06:199, 06:202-06:204, 06:207, 06:210, 06:212, 06:217, 06:231, 06:241, 06:252N, 06:254, 06:261, 06:265-06:267, 06:275, 06:280-06:283, 06:287-06:288, 06:291-06:292,  06:299, 06:301, 06:303N, 06:313, 06:318, 06:320, 06:332, 06:339-06:340, 06:343, 06:348-06:349, 06:351, 06:353, 06:358, 06:361, 06:369, 06:375, 06:381, 06:385, 06:387, 06:398, 06:407, 06:414N, 06:420, 06:426, 06:429, 06:432, 06:434, 06:439Q, 06:441, 06:444, 06:449, 06:452N, 06:458N, 06:465, 06:467, 06:473, 06:479, 06:484, 06:489-06:490, 06:496, 06:498, 06:505-06:506, 06:508, 06:511, 06:519-06:520 |

Abbreviations

w: might be weakly amplified.

?: nucleotide sequence information not available for the primer matching sequence.

ser: serology groups