Gel Documentation Form and Worksheet

DQ low resolution (101.201-48/12- 48u/12u) Lot No: 5H4 Expiry Date: 2021-10-01

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

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

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

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

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

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

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

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

**Gel Picture**

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| --- |
| PHOTO DOCUMENT |



‘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 resolution primer mixes.

Primer mix 7 may have tendencies of unspecific amplification.

Primer mix 16 has a tendency to giving rise to primer oligomer formation.

Primer mix 16 contains a negative control, which will amplify more than 95% of 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 430 base pairs.

Changes in revision R01 compared to R00:

1. Primer mix 6 does not amplify the DQB1\*03:03:06, 03:06, 03:25:01-03:25:02, and DQB1\*04:03:01-04:03:03 alleles. This has been corrected in the specificity and interpretation tables.





**1**HLA-DQB1 alleles listed on the IMGT/HLA web page 2018-October-18, release 3.34.0, [www.ebi.ac.uk/imgt/hla](http://www.ebi.ac.uk/imgt/hla).

**2**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>.

**3**The serological split of the DQB1\*05:05-05:166 alleles, the DQB1\*06:06-06:07, DQB1\*06:10, DQB1\*06:13, DQB1\*06:15-06:24 and DQB1\*06:27-06:286 alleles, the DQB1\*02:04-02:112 alleles, the DQB1\*03:07-03:09 and DQB1\*03:11 to 03:298N, and the DQB1\*04:03 to 04:52 alleles is not known. The grouping of not serologically defined alleles is taken from the expert-assigned serological grouping in Tissue Antigens (2009) 73:95-170.

Abbreviations

‘w’ might be weakly amplified.

‘?’, nucleotide sequence information not available for the primer matching sequence.