



Confirmation of HLA Typing

Registry Use Only

Sequence Number:

Date Received:

OMB No: 0915-0310

Expiration date: 01/31/2020

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CIBMTR Center Number: _____

CIBMTR Research ID: _____

Event date: __ __ __ __ / __ __ / __ __
 YYYY MM DD

HCT type (check all that apply): Autologous Allogeneic, unrelated Allogeneic, related

Product type (check all that apply):

Bone marrow PBSC Single cord blood unit Multiple cord blood units Other product. Specify: _____

Donor/Cord Blood Unit Identification

This form must be completed for all non-NMDP allogeneic or syngeneic donors or recipients, or non-NMDP cord blood units. If the donor, recipient, or cord blood unit was secured through the NMDP, then report HLA typing on the appropriate NMDP forms.

A separate copy of this form should be completed for each non-NMDP donor, recipient, or cord blood unit. Parental typing (maternal and paternal) should be submitted for all mismatched related donor transplants (CRF track only), if available. Cord blood maternal typing should be submitted for all unrelated cord blood transplants (CRF track only), if available.

1. Specify the person for whom this typing is being done:

- Recipient — final typing - **Go to question 13**
- Recipient's biological relative - **Go to question 5**
- Unrelated donor — confirmatory typing - **Go to question 2**
- Cord blood unit — confirmatory typing - **Go to question 3**
- Cord blood unit maternal HLA typing - **Go to question 3**

2. Non-NMDP unrelated donor ID: (not applicable for related donor)

_____ - **Go to question 7**

3. Non-NMDP cord blood unit ID: (include related and autologous CBUs)

_____ - **If reporting Maternal HLA typing, go to question 12. If reporting Cord blood unit – confirmatory typing, go to question 4.**

4. Is cord blood unit maternal HLA typing available?

- Yes - **Go to question 7 Also complete form 2005 to report cord blood unit maternal HLA typing**
- No - **Go to question 7**

5. Specify recipient's biological relative and typing:

- Recipient's mother — confirmatory typing
- Recipient's father — confirmatory typing
- Recipient's sibling – confirmatory typing
- Recipient's syngeneic (identical) twin– confirmatory typing
- Recipient's fraternal twin– confirmatory typing
- Recipient's child – confirmatory typing
- Recipient's aunt – confirmatory typing
- Recipient's uncle – confirmatory typing
- Recipient's cousin – confirmatory typing
- Other biological relative

6. Specify other biological relative and typing: _____

7. Date of birth: (donor / infant)

- Known →
- Unknown

8. Date of birth: (donor / infant): __ __ __ __ / __ __ / __ __ - **Go to question 11**
 YYYY MM DD

9. Age: (donor / infant)

- Known → 10. Age: (donor / infant) ____
- Unknown Months (use only if less than year old) 1 Years

11. Sex: (donor / infant) Male Female
12. Was the person for whom this typing is being done used as the donor? Yes No

HLA Typing by DNA Technology

13. Was documentation submitted to the CIBMTR? Yes No

HLA Alleles Defined by DNA Technology (e.g., Sequence Specific Oligonucleotide Probe (SSOP) typing, Sequence Specific Primer (SSP) typing or Sequence Based (SBT) typing.)

DNA technology can be used to type for a single allele, combinations of alleles (allele strings) or a "generic" allele designation which is similar to a serologic typing result. For this reason, the number of digits, as well as the number of alleles, for reporting will vary.

Laboratories may use " / ", " - " or a combination of numbers and letters on the typing report as a shorthand notation for the results. Transcribe the information onto the form as directly as possible. The letters are called allele codes, and will be 1 or more characters in length which represent a combination of possible alleles at a locus. The same allele combination may be reported several different ways (e.g., DRB1*01:01 or 01:02, DRB1*01:01/01:02, DRB1*01:01/02, or DRB1*01:AB).

There will be two alleles reported for each locus, unless the individual is presumed homozygous (i.e., carries two copies of the same allele) at a locus. Transcribe the first allele designation in the first box, and the second allele designation in the second box. If the person is homozygous, leave the second box blank.

Class I

14. Locus A

- Known →
- Unknown

15. First A* allele designations

Second A* allele designations

16. Locus B

- Known →
- Unknown

17. First B* allele designations

Second B* allele designations

18. Locus C

- Known →
- Unknown

19. First C* allele designations

Second C* allele designations

Class II

20. Locus DRB1

-
- Known →
-
-
- Unknown

21. First DRB1* allele designations

Second DRB1* allele designations

Class II (Optional)**Please provide the optional allele information if it is available from your laboratory**

22. Locus DRB3

-
- Known →
-
-
- Unknown

23. First DRB3* allele designations

Second DRB3* allele designations

24. Locus DRB4

-
- Known →
-
-
- Unknown

25. First DRB4* allele designations

Second DRB4* allele designations

26. Locus DRB5

-
- Known →
-
-
- Unknown

27. First DRB5* allele designations

Second DRB5* allele designations

28. Locus DQB1

-
- Known →
-
-
- Unknown

29. First DQB1* allele designations

Second DQB1* allele designations

30. Locus DPB1

- Known →
- Unknown

31. First DPB1* allele designations

Second DPB1* allele designations

32. Locus DQA1

- Known →
- Unknown

33. First DQA1* allele designations

Second DQA1* allele designations

34. Locus DPA1

- Known →
- Unknown

35. First DPA1* allele designations

Second DPA1* allele designations

Antigens Defined by Serologic Typing

Use the following lists when reporting HLA-A and B antigens. Report broad antigens only when your laboratory was not able to confirm typing for a known split antigen.

Instructions for the use of the "X" Antigen Specificity for Typing By Serology

Each HLA locus has a serologically defined "X" antigen specificity: AX, BX, CX, DRX, DPX, and DQX. At this time an "X" specificity is defined as "unknown but known to be different from the other antigen at that locus." This is different from a blank specificity. When comparisons between recipient and donor antigens involve an "X" or "blank" specificity, the "X" or "blank" is assumed to be homozygous for the antigen reported at the locus. In other words, the search algorithm treats typings containing "blank" or "X" antigens in the same manner as known homozygous typings.

A Antigens

36. Number of antigens provided:

- One - **Go to question 37, then continue with question 39**
- Two - **Go to questions 37-38**

37. Specificity – 1st antigen

- A1
- A2
- A203
- A210
- A3

- A9
- A10
- A11
- A19
- A23(9)
- A24(9)
- A2403
- A25(10)
- A26(10)
- A28
- A29(19)
- A30(19)
- A31(19)
- A32(19)
- A33(19)
- A34(10)
- A36
- A43
- A66(10)
- A68(28)
- A69(28)
- A74(19)
- A80
- AX

38. Specificity – 2nd antigen

- A1
- A2
- A203
- A210
- A3
- A9
- A10
- A11
- A19
- A23(9)
- A24(9)
- A2403
- A25(10)
- A26(10)
- A28
- A29(19)
- A30(19)

- A31(19)
- A32(19)
- A33(19)
- A34(10)
- A36
- A43
- A66(10)
- A68(28)
- A69(28)
- A74(19)
- A80
- AX

B Antigens

39. Number of antigens provided:

- One - **Go to question 40, then continue with question 42**
- Two - **Go to questions 40-41**

40. Specificity – 1st antigen

- B5
- B7
- B703
- B8
- B12
- B13
- B14
- B15
- B16
- B17
- B18
- B21
- B22
- B27
- B2708
- B35
- B37
- B38(16)
- B39(16)
- B3901
- B3902
- B40
- B4005
- B41
- B42

- B44(12)
- B45(12)
- B46
- B47
- B48
- B49(21)
- B50(21)
- B51(5)
- B5102
- B5103
- B52(5)
- B53
- B54(22)
- B55(22)
- B56(22)
- B57(17)
- B58(17)
- B59
- B60(40)
- B61(40)
- B62(15)
- B63(15)
- B64(14)
- B65(14)
- B67
- B70
- B71(70)
- B72(70)
- B73
- B75(15)
- B76(15)
- B77(15)
- B78
- B81
- B82
- BX

41. Specificity – 2nd antigen

- B5
- B7
- B703
- B8
- B12

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- B13
- B14
- B15
- B16
- B17
- B18
- B21
- B22
- B27
- B2708
- B35
- B37
- B38(16)
- B39(16)
- B3901
- B3902
- B40
- B4005
- B41
- B42
- B44(12)
- B45(12)
- B46
- B47
- B48
- B49(21)
- B50(21)
- B51(5)
- B5102
- B5103
- B52(5)
- B53
- B54(22)
- B55(22)
- B56(22)
- B57(17)
- B58(17)
- B59
- B60(40)
- B61(40)
- B62(15)
- B63(15)
- B64(14)
- B65(14)

- B67
- B70
- B71(70)
- B72(70)
- B73
- B75(15)
- B76(15)
- B77(15)
- B78
- B81
- B82
- BX

Optional Antigen Reporting

Please provide the following optional antigen information if it is available from your laboratory.

Antigens Defined by Serologic Typing

C Antigens

42. Number of antigens provided:

- One - **Go to question 43, then continue with question 45**
- Two - **Go to questions 43-44**

43. Specificity – 1st antigen

- Cw1
- Cw2
- Cw3
- Cw4
- Cw5
- Cw6
- Cw7
- Cw8
- Cw9(w3)
- Cw10(w3)
- CX

44. Specificity – 2nd antigen

- Cw1
- Cw2
- Cw3
- Cw4
- Cw5
- Cw6

- Cw7
- Cw8
- Cw9(w3)
- Cw10(w3)
- CX

Bw Specificity

45. Specificity Bw4 present?
46. Specificity Bw6 present?

- Yes No
 Yes No

DR Antigen

47. Number of antigens provided:
 One - **Go to question 48, then continue with question 50**
 Two - **Go to questions 48-49**

48. Specificity – 1st antigen

- DR1
- DR103
- DR2
- DR3
- DR4
- DR5
- DR6
- DR7
- DR8
- DR9
- DR10
- DR11(5)
- DR12(5)
- DR13(6)
- DR14(6)
- DR1403
- DR1404
- DR15(2)
- DR16(2)
- DR17(3)
- DR18(3)
- DRX

49. Specificity – 2nd antigen

- DR1
- DR103
- DR2

- DR3
- DR4
- DR5
- DR6
- DR7
- DR8
- DR9
- DR10
- DR11(5)
- DR12(5)
- DR13(6)
- DR14(6)
- DR1403
- DR1404
- DR15(2)
- DR16(2)
- DR17(3)
- DR18(3)
- DRX

DR51 Antigen

50. Specificity DR51 present?

 Yes No**DR52 Antigen**

51. Specificity DR52 present?

 Yes No**DR53 Antigen**

52. Specificity DR53 present?

 Yes No**DQ Antigens**

53. Number of antigens provided:

- One - **Go to question 54, then continue with question 56**
- Two - **Go to questions 54-55**

54. Specificity – 1st antigen

- DQ1
- DQ2
- DQ3
- DQ4
- DQ5(1)
- DQ6(1)
- DQ7(3)
- DQ8(3)

- DQ9(3)
 DQX

55. Specificity – 2nd antigen

- DQ1
 DQ2
 DQ3
 DQ4
 DQ5(1)
 DQ6(1)
 DQ7(3)
 DQ8(3)
 DQ9(3)
 DQX

DP Antigens

56. Number of antigens provided:

- One - **Go to question 57, then continue with signature line**
 Two - **Go to questions 57-58**

57. Specificity – 1st antigen

- DPw1
 DPw2
 DPw3
 DPw4
 DPw5
 DPw6
 DPX

58. Specificity – 2nd antigen

- DPw1
 DPw2
 DPw3
 DPw4
 DPw5
 DPw6
 DPX

First Name: _____

Last Name: _____

E-mail address: _____

Date: __ __ __ __ / __ __ / __ __
 YYYY MM DD