



# Confirmation of HLA Typing

## Registry Use Only

Sequence Number: \_\_\_\_\_

Date Received: \_\_\_\_\_

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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 – **Go to question 7**
- Recipient's father — confirmatory typing – **Go to question 7**
- Recipient's sibling – confirmatory typing – **Go to question 7**
- Recipient's syngeneic (identical) twin– confirmatory typing – **Go to question 7**
- Recipient's fraternal twin– confirmatory typing – **Go to question 7**
- Recipient's child – confirmatory typing – **Go to question 7**
- Recipient's aunt – confirmatory typing – **Go to question 7**
- Recipient's uncle – confirmatory typing – **Go to question 7**
- Recipient's cousin – confirmatory typing – **Go to question 7**



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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 – **Go to question 15**
- Unknown – **Go to question 16**

15. First A\* allele designations

Second A\* allele designations

16. Locus B

- Known – **Go to question 17**
- Unknown – **Go to question 18**

17. First B\* allele designations

Second B\* allele designations

18. Locus C

- Known – **Go to question 19**
- Unknown – **Go to question 20**

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19. First C\* allele designations

Second C\* allele designations

### Class II

20. Locus DRB1

Known – **Go to question 21**

Unknown – **Go to question 22**

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 – **Go to question 23**

Unknown – **Go to question 24**

23. First DRB3\* allele designations

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Second DRB3\* allele designations

24. Locus DRB4

Known – **Go to question 25**

Unknown – **Go to question 26**

25. First DRB4\* allele designations

Second DRB4\* allele designations

26. Locus DRB5

Known – **Go to question 27**

Unknown – **Go to question 28**

27. First DRB5\* allele designations

Second DRB5\* allele designations

28. Locus DQB1

Known – **Go to question 29**

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Unknown – **Go to question 30**

29. First DQB1\* allele designations

Second DQB1\* allele designations

30. Locus DPB1

Known – **Go to question 31**

Unknown – **Go to question 32**

31. First DPB1\* allele designations

Second DPB1\* allele designations

32. Locus DQA1

Known – **Go to question 33**

Unknown – **Go to question 34**

33. First DQA1\* allele designations

Second DQA1\* allele designations

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34. Locus DPA1

Known – **Go to question 35**

Unknown – **Go to question 36**

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, which is defined as “unknown but assumed to be the same as the other antigen at that locus.” 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.



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## 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

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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

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## 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

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- 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

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41. \_\_\_\_\_ Specificity – 2nd 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

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- 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

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### 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

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### Bw Specificity

45. Specificity Bw4 present?

Yes

No

46. Specificity Bw6 present?

Yes

No

### DR Antigens

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)



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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

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### 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

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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

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First Name: \_\_\_\_\_  
*Person completing form*

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

E-mail address: \_\_\_\_\_

Date: \_\_\_\_\_  
          YYYY          MM          DD