## Performing Add on Crossmatches

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| Purpose | To provide instructions on how to verify patient identification and add additional RBC units to an in-date TS or XM order. |

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| Policy | * EPIC applies preset rules to the crossmatch order set to automatically select the correct order. (XM or ADDXM). ADDXM is not an orderable code outside of the order set.
* In order to add units to previously tested sample, the original sample must meet specimen age requirements and the patient identifiers on the ADDXM order must match those of specimen tested.
* Changes made to patient name in accordance with policy established for Trauma, No info and Unidentified naming conventions are acceptable.
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| Procedure |  |

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| Step | Action |
| 1. | XM or ADDXM order is received.  |
| 2. | Look patient orders up by medical record number for previous 5 days in Blood Order Processing. |
| 3. | Does patient have a TS or XM order that has not expired? |
|  |  | **If:** | **Then:** |  |
|  |  | No | * XM order needed to collect new sample
* Proceed to Type and Crossmatch procedure
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|  |  | Yes | Proceed to next step |  |
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| 4. | What order code was received?

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| If: | Then: |
| ADDXM | Proceed to next step |
| XM | * Verify that patient is wearing BB armband and that the number matches our card.
* If no, have sample recollected and process new XM order.
* If yes, cancel XM order using reason code CRNEW
* Reorder ADDXM in SQ
* Add BBC comment
* Answer with free text “Corrected order code. See Acc number X for physician order”
* Proceed to next step
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| 5. | Review patient history and antibody screen results for current specimen. Does patient qualify for Electronic Crossmatch? |
|  |  | **If:** | **Then:** |  |
|  |  | No | * Pull patient sample from appropriate storage rack.
* Compare patient identification on patient sample to add on order in computer. See *Specimen Identification Verification* for instructions.
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|  |  | Yes | * Pull original Blood Bank band paperwork form active file.
* Compare patient name and medical record number from blood band sheet to add on order.
* Compare blood bank band number entered in original order to the band number on the blood band sheet.
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| 6. | Do name, medical record number and blood bank armband number match? |
|  |  | **If:** | **Then:** |  |
|  |  | No | Proceed to next step |  |
|  |  | Yes | Skip to step 7 |  |
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| 7. | If no, what is the source of error? |
|  |  | **If:** | **Then:** |  |
|  |  | Name change (other than those deemed acceptable in Trauma, No Info and Unidentified naming conventions) or medical record number changed | * Notify RN that due to patient name change, new sample is required
* Cancel ADDXM order using reason code CRNEW
* Reorder XM in SQ
* Add BBC comment
* Answer with free text “Corrected order code. See Acc number X for physician order”
* Proceed to next step
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|  |  | Blood bank armband number entered into computer does not match blood band sheet/sample tube | * Proceed to next step
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| 8. | Was original testing performed on ECHO?

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| If: | Then: |
| Yes | Search the ECHO on board file for the CID number on the test tube |
| No | * Repeat on same sample any test that was manually performed
* Revise the BB armband number in the computer
* Proceed to step 9
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| 9. | Was the CID number found in the ECHO file and did it match the one the sample tube

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| If: | Then: |
| Yes | * Revise the BB armband number in the computer
* Proceed to the next step
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| No | * Repeat on same sample any test that had been performed manually or where CID on file did not match one on tube.
* Revise the BB armband number in the computer
* Proceed to the next step
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| 10. | Access the ADDXM order in computer. |
| 11. | Review order for quantity and special requirements. |
| 12. | Answer the test prompts as follows |
|  |  | **If:** | **Then:** |  |
|  |  | RN | Enter Blood bank armband number from original specimen |  |
|  |  | HX | Yes History=HNo History=h |  |
|  |  | UO | Enter number of units ordered |  |
|  |  |
| 13. | Add BBCNC comment. Answer with “Added to [Acc. Number of original order]”. |
| 14. | Open original TS or XM order. |
| 15. | Edit UO to include number of additional units ordered. |
| 16. | Add PB and BBC comment for attributes if new special requirements in ADDXM order. |
| 17. | Allocate appropriate number of units. |
| 18. | Perform testing using appropriate compatibility method. Refer to technical procedure for instructions. |

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| Related Documents | * Specimen Identification
* Specimen Identification Verification
* Determining Specimen Acceptability for Transfusion Service Testing
* Determining Compatibility Testing Method
* Performing an Electronic Crossmatch
* Processing Assays on the ECHO Analyzer
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