## 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 with RN that patient is wearing BB armband and that the number matches our card and that existing sample will not expire before the time the unit is needed for transfusion.
* If armband has been removed, doesn’t match or units needed after current specimen will expire, have sample recollected and process new XM order.
* If armband matches and sample doesn’t expire prior to time of transfusion, 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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