

Cord Blood Instrument

|  |  |
| --- | --- |
| Event Category: | Time-Based |
| Event: | Birth |
| Administration: | N/A |
| Instrument Target: | Biological Mother |
| Instrument Respondent: | Data Collector |
| Domain: | Biospecimen |
| Document Category: | Sample Collection |
| Method: | Data Collector Administered |
| Mode (for this instrument\*): | In-Person, CAI |
| OMB Approved Modes: | In-Person, CAI |
| Estimated Administration Time: | 0 minutes |
| Multiple Child/Sibling Consideration: | Per Child |
| Special Considerations: | N/A |
| Version: | 4.0 |
| MDES Release: | 4.0 |

​\*This instrument is OMB-approved for multi-mode administration but this version of the instrument is designed for administration in this/these mode(s) only.

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Cord Blood Instrument

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Cord Blood Instrument

GENERAL PROGRAMMER INSTRUCTIONS:

WHEN PROGRAMMING INSTRUMENTS, VALIDATE FIELD LENGTHS AND TYPES AGAINST THE MDES TO ENSURE DATA COLLECTION RESPONSES DO NOT EXCEED THOSE OF THE MDES. SOME GENERAL ITEM LIMITS USED ARE AS FOLLOWS:

|  |  |  |  |
| --- | --- | --- | --- |
| **DATA ELEMENT FIELDS** | **MAXIMUM CHARACTERS PERMITTED** | **DATA TYPE** | **PROGRAMMER INSTRUCTIONS** |
| ADDRESS AND EMAIL FIELDS | 100 | CHARACTER |  |
| UNIT AND PHONE FIELDS | 10 | CHARACTER |  |
| \_OTH AND COMMENT FIELDS | 255 | CHARACTER | * Limit text to 255 characters
 |
| FIRST NAME AND LAST NAME | 30 | CHARACTER | * Limit text to 30 characters
 |
| ALL ID FIELDS | 36 | CHARACTER |  |
| ZIP CODE | 5 | NUMERIC |  |
| ZIP CODE LAST FOUR | 4 | NUMERIC |  |
| CITY | 50 | CHARACTER |  |
| DOB AND ALL OTHER DATE FIELDS (E.G., DT, DATE, ETC.) | 10 | NUMERICCHARACTER | * DISPLAY AS MM/DD/YYYY
* STORE AS YYYY-MM-DD
* HARD EDITS:

MM MUST EQUAL 01 TO 12DD MUST EQUAL 01 TO 31YYYY MUST BE BETWEEN 1900 AND CURRENT YEAR. |
| TIME VARIABLES | TWO-DIGIT HOUR AND TWO-DIGIT MINUTE, AM/PM DESIGNATION | NUMERIC | * HARD EDITS:

HOURS MUST BE BETWEEN 00 AND 12; MINUTES MUST BE BETWEEN 00 AND 59 |

**Instrument Guidelines for Participant and Respondent IDs:**

PRENATALLY, THE **P\_ID** IN THE MDES HEADER IS THAT OF THE PARTICIPANT (E.G. THE NON-PREGNANT WOMAN, PREGNANT WOMAN, OR THE FATHER).

 POSTNATALLY, A RESPONDENT ID WILL BE USED IN ADDITION TO THE PARTICIPANT ID BECAUSE SOMEBODY OTHER THAN THE PARTICIPANT MAY BE COMPLETING THE INTERVIEW. FOR EXAMPLE, THE PARTICIPANT MAY BE THE CHILD AND THE RESPONDENT MAY BE THE MOTHER, FATHER, OR ANOTHER CAREGIVER. THEREFORE, MDES VERSION 2.2 AND ALL FUTURE VERSIONS CONTAIN A **R\_P\_ID** (RESPONDENT PARTICIPANT ID) HEADER FIELD FOR EACH POST-BIRTH INSTRUMENT. THIS WILL ALLOW ROCs TO INDICATE WHETHER THE RESPONDENT IS SOMEBODY OTHER THAN THE PARTICIPANT ABOUT WHOM THE QUESTIONS ARE BEING ASKED.

**A REMINDER:**

ALL RESPONDENTS MUST BE CONSENTED AND HAVE RECORDS IN THE PERSON, PARTICIPANT, PARTICIPANT\_CONSENT AND LINK\_PERSON\_PARTICIPANT TABLES, WHICH CAN BE PRELOADED INTO EACH INSTRUMENT. ADDITIONALLY, IN POST-BIRTH QUESTIONNAIRES WHERE THERE IS THE ABILITY TO LOOP THROUGH A SET OF QUESTIONS FOR MULTIPLE CHILDREN, IT IS IMPORTANT TO CAPTURE AND STORE THE CORRECT CHILD **P\_ID** ALONG WITH THE LOOP INFORMATION. IN THE MDES VARIABLE LABEL/DEFINITION COLUMN, THIS IS INDICATED AS FOLLOWS: **EXTERNAL IDENTIFIER: PARTICIPANT ID FOR CHILD DETAIL.**

CORD BLOOD COLLECTION

**(TIME\_STAMP\_CBC\_ST).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * INSERT DATE/TIME STAMP
* PRELOAD **P\_ID** FOR MOTHER AND CHILD.
* PRELOAD **MULT\_CHILD** AND **CHILD\_NUM** FROM PARTICIPANT VERIFICATION, SCHEDULING & TRACING QUESTIONAIRE.
 |

**CBC03000.**

**(CORD\_BIRTH\_TIME)** TIME OF CHILD'S BIRTH

|\_\_\_|\_\_\_|:|\_\_\_|\_\_\_|

  H    H        M    M

**(CORD\_BIRTH\_TIME\_UNIT)** TIME OF CHILD'S BIRTH AM/PM

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| AM | 1 |  |
| PM | 2 |  |

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * IF **MULT\_CHILD** = 1, LOOP THROUGH **CORD\_BIRTH\_TIME**AND **CORD\_BIRTH\_TIME\_UNIT**UNIT NUMBER OF LOOPS = **CHILD\_NUM.**
* OTHERWISE, GO TO **?CORD\_COLLECTION.**
 |

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TIME OF THE CHILD'S BIRTH.  BE SURE TO FILL THE SPACE WITH A ZERO WHEN NECESSARY AND TO MARK THE BOX TO CHOOSE "AM" OR "PM".  FOR EXAMPLE, IF THE CHILD WAS BORN AT 2:05 PM, RECORD "02:05" AND CHOOSE "PM".
 |

**CBC05000/(CORD\_COLLECTION).** CORD BLOOD COLLECTION STATUS

WAS THE CORD BLOOD COLLECTED FOR THE NCS?

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| YES | 1 | CBC08000 |
| NO | 2 |  |

**CBC06000/(CORD\_NOTCOL\_COMMENT).** PLEASE CHOOSE THE PRIMARY REASON THAT BEST DESCRIBES WHY THE BLOOD WAS NOT COLLECTED.

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * MARK ONLY ONE REASON THAT CORD BLOOD WAS NOT COLLECTED.
* SELECT "PARENTS CHOSE TO BANK" TO INDICATE PARENTS HAVE CHOSEN TO PARTICIPATE IN A PRIVATE CORD BLOOD BANKING PROGRAM.
* SELECT "OTHER BANKING PROGRAM" TO INDICATE THAT PARENTS HAVE CHOSEN TO PARTICIPATE IN A PUBLIC CORD BLOOD BANKING PROGRAM.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| PARENTS CHOSE TO BANK | 1 | OVERALL\_COMMENTS |
| NEED FOR CLINICAL PURPOSES | 2 | OVERALL\_COMMENTS |
| OTHER BANKING PROGRAM | 3 | OVERALL\_COMMENTS |
| PARENT/GUARDIAN REFUSAL | 4 | OVERALL\_COMMENTS |
| QUANTITY NOT SUFFICIENT | 5 | OVERALL\_COMMENTS |
| DEFECTIVE COLLECTION EQUIPMENT | 6 | OVERALL\_COMMENTS |
| NO TIME | 7 | OVERALL\_COMMENTS |
| PRECIPITOUS DELIVERY | 8 | OVERALL\_COMMENTS |
| STUDY STAFF NOT PRESENT AT DELIVERY | 9 | OVERALL\_COMMENTS |
| NCS NOT NOTIFIED OF BIRTH IN TIME | 10 | OVERALL\_COMMENTS |
| PARTICIPANT NOT IDENTIFIED PRIOR TO BIRTH | 11 | OVERALL\_COMMENTS |
| OTHER | -5 |  |

**CBC07000/(CORD\_NOTCOL\_OTH).** CORD BLOOD NOT COLLECTED

SPECIFY:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF THE CORD BLOOD WAS NOT COLLECTED FOR A REASON NOT LISTED IN THE PREVIOUS QUESTION, TYPE IN THE REASON BELOW.
 |

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * GO TO **OVERALL\_COMMENTS.**
 |

**CBC08000.** DATE CORD BLOOD COLLECTED

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE DATE THE CORD BLOOD WAS COLLECTED.  THE TWO-DIGIT MONTH, THE TWO-DIGIT DAY, AND THE FOUR-DIGIT YEAR SHOULD BE RECORDED.
 |

**(CORD\_COLLECT\_MM)** MONTH: |\_\_\_|\_\_\_|

              M     M

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DON'T KNOW | -2 |  |

**(CORD\_COLLECT\_DD)** DAY: |\_\_\_|\_\_\_|

            D     D

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DON'T KNOW | -2 |  |

**(CORD\_COLLECT\_YYYY)** YEAR: |\_\_\_|\_\_\_|\_\_\_|\_\_\_|

             Y     Y     Y    Y

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DON'T KNOW | -2 |  |

**CBC09000.**

**(CORD\_COLLECT\_TIME)** TIME OF CORD BLOOD COLLECTION:

|\_\_\_|\_\_\_|:|\_\_\_|\_\_\_|

  H       H      M   M

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DON'T KNOW | -2 | CORD\_WHERE\_COLLECT |

**(CORD\_COLLECT\_TIME\_UNIT)** TIME OF CORD BLOOD COLLECTION:  AM/PM

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| AM | 1 |  |
| PM | 2 |  |

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TIME OF THE CORD BLOOD COLLECTION.  BE SURE TO FILL THE SPACE WITH A ZERO WHEN NECESSARY AND TO CHOOSE "AM" OR "PM".  FOR EXAMPLE, IF THE CORD BLOOD WAS COLLECTED AT 2:05 PM, RECORD "02:05" AND CHOOSE "PM".
 |

**CBC10000/(CORD\_WHERE\_COLLECT).** WHERE WAS THE SAMPLE COLLECTED?

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF THE CORD BLOOD WAS COLLECTED PRIOR TO DELIVERY OF THE PLACENTA, CHOOSE "IN UTERO".
* IF THE CORD BLOOD WAS COLLECTED AFTER DELIVERY OF THE PLACENTA, CHOOSE "EX UTERO".
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| IN UTERO | 1 |  |
| EX UTERO | 2 |  |
| DON'T KNOW | -2 |  |

**CBC11000/(CORD\_DELIVERY).** WHAT TYPE OF DELIVERY WAS PERFORMED?

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF THE DELIVERY WAS A VAGINAL DELIVERY, CHOOSE "VAGINAL."
* IF THE DELIVERY WAS CESAREAN (C-SECTION), CHOOSE "CESAREAN."
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| VAGINAL | 1 |  |
| CESAREAN | 2 |  |
| DON'T KNOW | -2 |  |

**CBC13000/(CORD\_METHOD).** WHAT METHOD WAS USED TO COLLECT THE CORD BLOOD?

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DIRECTLY FROM CORD INTO CORD STICK VACUTAINER TUBES | 1 |  |
| DIRECTLY FROM CORD INTO OTHER VACUTAINER TUBES | 2 |  |
| OTHER | -5 |  |

**CBC14000/(CORD\_METHOD\_OTH).** CORD BLOOD COLLECTION METHOD

SPECIFY:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF THE CORD BLOOD WAS NOT COLLECTED DIRECTLY INTO VACUTAINER TUBES, ENTER THE COLLECTION METHOD BELOW
 |

**CBC16000/(TUBE\_STATUS).** CORD BLOOD TUBE COLLECTION STATUS FOR {CORD CONTAINER}:

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * SELECT "FULL DRAW" TO INDICATE THAT THE BLOOD TUBE WAS FILLED TO AT LEAST 1/2 OF THE DESIRED CAPACITY.  DESIRED CAPACITY IS DEFINED AS FILLED TO THE FILL LINE INDICATED ON THE BLOOD TUBE LABEL.
* SELECT "SHORT DRAW" TO INDICATE THAT THE BLOOD TUBE WAS FILLED TO LESS THAN 1/2 OF THE DESIRED CAPACITY.
* SELECT "NO DRAW" TO INDICATE THAT THE BLOOD TUBE WAS NOT COLLECTED.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| FULL DRAW | 1 |  |
| SHORT DRAW | 2 |  |
| NO DRAW | 3 |  |

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * LOOP THROUGH **TUBE\_STATUS**AND **SPECIMEN\_ID** UNTIL NUMBER OF LOOPS = 2.
* IF FIRST LOOP, SET **COLLECTION\_TYPE**= 1, AND DISPLAY "LAVENDER TOP, CL10" IN {CORD CONTAINER}
* IF NUMBER OF LOOPS = 2, SET **COLLECTION\_TYPE**= 2 AND DISPLAY "RED TOP, CS10" IN {CORD CONTAINER}
* IF NUMBER OF LOOPS = 1, AND **TUBE\_STATUS**= 3, INCREMENT LOOP NUMBER BY 1 AND BEGIN **TUBE\_STATUS.**
* IF NUMBER OF LOOPS = 2, AND **TUBE\_STATUS**= 3, GO TO **OVERALL\_COMMENTS.**
* OTHERWISE, GO TO **SPECIMEN\_ID.**
 |

**CBC17000/(SPECIMEN\_ID).** SPECIMEN ID FOR {CORD CONTAINER}:

|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|\_\_\_|-|\_\_\_|\_\_\_|\_\_\_|\_\_\_|

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE SPECIMEN ID PRINTED ON THE LABEL OF THE CORD BLOOD COLLECTION CONTAINER.
 |

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| PROGRAMMER INSTRUCTIONS |
| IF **COLLECTION\_TYPE** = 1, DISPLAY "LAVENDER TOP, CL10" IN {CORD CONTAINER} AND FORMAT AS A A # # # # # # # - CL10.IF **COLLECTION\_TYPE** = 2, DISPLAY "RED TOP, CS10" IN {CORD CONTAINER} AND FORMAT AS A A # # # # # # # - CS10.* IF NUMBER OF LOOPS = 1, GO TO **TUBE\_STATUS.**
* IF NUMBER OF LOOPS = 2, GO TO **CORD\_COLLECTED.**
 |

**CBC19000/(CORD\_COLLECTED).** WHO COLLECTED THE SPECIMEN?

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| HOSPITAL STAFF | 1 |  |
| NCS STAFF | 2 |  |
| DON'T KNOW | -2 |  |

**CBC22000/(OVERALL\_COMMENTS).** DO YOU HAVE ANY COMMENTS ABOUT THE CORD BLOOD COLLECTION THAT WERE NOT ALREADY NOTED?

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| YES | 1 |  |
| NO | 2 | TIME\_STAMP\_CBC\_ET |

**CBC23000/(OVERALL\_COMMENTS\_OTH).** CORD BLOOD COLLECTION COMMENTS NOT ALREADY NOTED

SPECIFY:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF THERE WERE ANY CORD BLOOD COLLECTION COMMENTS NOT ALREADY NOTED, ENTER THEM IN THE SPACE PROVIDED.
 |

**(TIME\_STAMP\_CBC\_ET).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * INSERT DATE/TIME STAMP
* IF **TUBE\_STATUS**= 3 FOR BOTH LOOPS, GO TO **TIME\_STAMP\_PFC\_ET.**
* OTHERWISE, GO TO **TIME\_STAMP\_BC\_ST.**
 |

BLOOD CENTRIFUGATION

**(TIME\_STAMP\_BC\_ST).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| INSERT DATE/TIME STAMP |

**BC01000/(CENTIFUGE\_LOCATION).** CENTRIFUGATION LOCATION

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD WHERE BLOOD WILL BE CENTRIFUGED.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| DEFAULT COLLECTION LOCATION | 1 | EQUIP\_ID |
| SPSC | 2 | TIME\_STAMP\_BC\_ET |
| OTHER | -5 |  |

**BC02000/(CENTRIFUGE\_LOCATION\_OTH).** SPECIFY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**BC03000/(EQUIP\_ID).** EQUIPMENT ID FOR CENTRIFUGE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * ENTER EQUIPMENT ID FOR CENTRIFUGE.
 |

**BC04000.** DATE AND TIME CENTRIFUGATION BEGAN

**(CENTRIFUGE\_START\_TIME)** CENTRIFUGE START - TIME

|\_\_\_|\_\_\_|:|\_\_\_|\_\_\_|

  H     H       M     M

**(CENTRIFUGE\_START\_TIME\_UNIT)** CENTRIFUGE START - AM/PM

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| AM | 1 |  |
| PM | 2 |  |

**(CENTRIFUGE\_START\_MM)** CENTRIFUGE START - DATE: MONTH

|\_\_\_|\_\_\_|

  M    M

**(CENTRIFUGE\_START\_DD)** CENTRIFUGE START - DATE: DAY

|\_\_\_|\_\_\_|

  D     D

**(CENTRIFUGE\_START\_YYYY)** CENTRIFUGE START - DATE: YEAR

|\_\_\_|\_\_\_|\_\_\_|\_\_\_|

  Y      Y    Y      Y

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TIME THE BLOOD TUBES WERE PLACED IN THE CENTRIFUGE.
* RECORD THE TIME AS HH:MM, BE SURE TO FILL THE SPACE WITH ZERO WHEN NECESSARY AND TO CHOOSE "AM" OR "PM". FOR EXAMPLE, IF THE BLOOD TUBES WERE PLACED IN THE CENTRIFUGE AT 2:05 PM, RECORD "02:05" AND SELECT "PM".
* RECORD THE DATE AS A TWO-DIGIT MONTH, TWO-DIGIT DAY, AND FOUR-DIGIT YEAR.
 |

**BC05000.** DATE AND TIME CENTRIFUGATION ENDED

**(CENTRIFUGE\_END\_TIME)** CENTRIFUGE END - TIME

|\_\_\_|\_\_\_|:|\_\_\_|\_\_\_|

  H     H       M    M

**(CENTRIFUGE\_END\_TIME\_UNIT)** CENTRIFUGE END - AM/PM

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| AM | 1 |  |
| PM | 2 |  |

**(CENTRIFUGE\_END\_MM)** CENTRIFUGE END - DATE: MONTH

|\_\_\_|\_\_\_|

  M     M

**(CENTRIFUGE\_END\_DD)** CENTRIFUGE END - DATE: DAY

|\_\_\_|\_\_\_|

   D    D

**(CENTRIFUGE\_END\_YYYY)** CENTRIFUGE END - DATE: YEAR

|\_\_\_|\_\_\_|\_\_\_|\_\_\_|

   Y    Y      Y     Y

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TIME CENTRIFUGATION WAS COMPLETED.
* RECORD THE TIME AS HH:MM, BE SURE TO FILL THE SPACE WITH A ZERO WHEN NECESSARY AND TO SELECT "AM" OR "PM." FOR EXAMPLE, IF CENTRIFUGATION WAS COMPLETED AT 2:05 PM, RECORD "02:05" AND SELECT "PM."
* RECORD THE DATE AS A TWO-DIGIT MONTH, TWO-DIGIT DAY, AND FOUR-DIGIT YEAR.
 |

**BC06000/(CENTRIFUGE\_TEMP\_MEASURE).** TEMPERATURE OF CENTRIFUGE

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF ABLE TO MEASURE CENTRIFUGE TEMPERATURE, SELECT "TEMPERATURE."
* IF NOT ABLE TO MEASURE CENTRIFUGE TEMPERATURE, THEN SELECT "NOT ABLE TO MEASURE" AND THE REASON THE TEMPERATURE COULD NOT BE RECORDED.
* OTHERWISE, SELECT OTHER AND SPECIFY.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| TEMPERATURE | 1 | BC08000 |
| NOT ABLE TO MEASURE - THERMOMETER BROKEN | 2 | BLOOD\_HEMOLYZE |
| NOT ABLE TO MEASURE - THERMOMETER NOT AVAILABLE | 3 | BLOOD\_HEMOLYZE |
| NOT ABLE TO MEASURE - OTHER | -5 |  |

**BC07000/(CENTRIFUGE\_TEMP\_MEASURE\_OTH).** SPECIFY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * GO TO **​BLOOD\_HEMOLYZE.**
 |

**BC08000.** TEMPERATURE OF CENTRIFUGE

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TEMPERATURE READING ON THE DIGITAL THERMOMETER ATTACHED TO THE CENTRIFUGE AT THE TIME THAT THE BLOOD TUBES ARE REMOVED AFTER CENTRIFUGATION.
* ENTER TEMPERATURE IN DEGREES CELSIUS.
 |

**(CENTRIFUGE\_TEMP)** RECORD THE TEMPERATURE TO THE FIRST DECIMAL POINT.

|\_\_\_|\_\_\_|.|\_\_\_|°C

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * SOFT EDIT: DISPLAY SOFT EDIT IF **CENTRIFUGE\_TEMP**< 15.0 OR > 25.0.
* SOFT EDIT: DISPLAY SOFT EDIT IF NO VALUE ENTERED IN THE FIRST DECIMAL POINT OF **​CENTRIFUGE\_TEMP.**
 |

**(CENTRIFUGE\_TEMP\_POSNEG)** RECORD IF THE TEMPERATURE IS A POSITIVE OR NEGATIVE VALUE.

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF TEMPERATURE IS ZERO OR ABOVE, RECORD "POSITIVE"
* IF TEMPERATURE IS BELOW ZERO, RECORD "NEGATIVE"
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| POSITIVE | 1 |  |
| NEGATIVE | 2 |  |

**BC09000/(BLOOD\_HEMOLYZE).** DID BLOOD HEMOLYZE?

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD WHETHER HEMOLYSI OCCURRED IN ONE OR MORE OF THE BLOOD TUBES.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| YES, THE TUBE HEMOLYZED | 1 |  |
| NO, THE TUBE DID NOT HEMOLYZE | 2 |  |

**BC10000/(CENTRIFUGE\_COMMENT).** CENTRIFUGE OTHER COMMENTS

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| NO COMMENTS | 1 | TIME\_STAMP\_BC\_ET |
| COMMENT | 2 |  |

**BC11000/(CENTRIFUGE\_COMMENT\_OTH).** SPECIFY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * ENTER ANY CENTRIFUGE COMMENTS
 |

**(TIME\_STAMP\_BC\_ET).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| INSERT DATE/TIME STAMP |

PREPARATION FOR CORD BLOOD TUBE TRANSPORT

**(TIME\_STAMP\_PFC\_ST).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| INSERT DATE/TIME STAMP |

**PFC01000/(COLD\_TEMP\_MEASURE).** TEMPERATURE OF REFRIGERATED CHAMBER

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * PREPARE THE TUBES FOR TRANSPORT IN THE REFRIGERATED CLAMSHELL
* PLACE A LOWER THRESHOLD (0.0°C) MONITOR INSIDE THE REFRIGERATED CLAMSHELL AND ACTIVATE.
* ACTIVATE AN UPPER THRESHOLD (20.0°C) MONITOR AND AFFIX IT TO THE OUTSIDE OF THE REFRIGERATED CLAMSHELL.
* IF ABLE TO MEASURE TEMPERATURE, THEN SELECT "TEMPERATURE." ENTER THE TEMPERATURE OF THE DIGITAL THERMOMETER IN THE TRANSPORT COOLER AT THE TIME THE SPECIMEN IS PUT IN THE COOLER.
* IF NOT ABLE TO MEASURE TEMPERATURE, THEN SELECT "NOT ABLE TO MEASURE" AND THE REASON THE TEMPERATURE COULD NOT BE RECORDED.
* IF THERE ARE NOT ANY TUBES THAT REQUIRE REFRIGERATED TRANSPORT TEMPERATURES, THEN SELECT "NOT APPLICABLE."
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| TEMPERATURE | 1 | PFC03000 |
| NOT ABLE TO MEASURE - THERMOMETER BROKEN | 2 | COLD\_THRESHOLD\_LOW |
| NOT ABLE TO MEASURE - THERMOMETER NOT AVAILABLE | 3 | COLD\_THRESHOLD\_LOW |
| NOT ABLE TO MEASURE - OTHER | -5 |  |
| NOT APPLICABLE | -7 | COLD\_THRESHOLD\_LOW |

**PFC02000/(COLD\_TEMP\_MEASURE\_OTH).** SPECIFY: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * GO TO **COLD\_THRESHOLD\_LOW.**
 |

**PFC03000.** RECORD TEMPERATURE OF REFRIGERATED CHAMBER

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD THE TEMPERATURE OF THE REFRIGERATED CHAMBER OF THE TRANSPORT COOLER.
 |

**(COLD\_TEMP)** ENTER TEMPERATURE IN DEGREES CELSIUS

|\_\_\_|\_\_\_|.|\_\_\_|°C

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| * SOFT EDIT: DISPLAY SOFT EDIT IF **COLD\_TEMP**≥ 10.0 OR ≤ 0.0
* SOFT EDIT: DISPLAY SOFT EDIT IF NO VALUE ENTERED IN THE FIELD FOLLOWING THE DECIMAL POINT IN **​COLD\_TEMP.**
 |

**(COLD\_TEMP\_POSNEG)** RECORD IF THE TEMPERATURE IS A POSITIVE OR NEGATIVE VALUE

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * IF TEMPERATURE IS ZERO OR ABOVE, RECORD "POSITIVE"
* IF TEMPERATURE IS BELOW ZERO, RECORD "NEGATIVE"
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| POSITIVE | 1 |  |
| NEGATIVE | 2 |  |

**PFC04000/(COLD\_THRESHOLD\_LOW).** STATUS OF REFRIGERATED CHAMBER LOW THRESHOLD MONITOR

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD STATUS OF THE LOW THRESHOLD MONITOR IN THE REFRIGERATED CHAMBER OF THE TRANSPORT COOLER.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| YES, IN CHAMBER | 1 |  |
| NO, NOT REQUIRED | 2 |  |
| NO, NOT AVAILABLE | 3 |  |

**PFC05000/(COLD\_THRESHOLD\_HIGH).** STATUS OF REFRIGERATED CHAMBER UPPER THRESHOLD MONITOR

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * RECORD STATUS OF THE UPPER THRESHOLD MONITOR IN THE REFRIGERATED COMPARTMENT OF THE COOLER.
 |

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| YES, IN CHAMBER | 1 |  |
| NO, NOT REQUIRED | 2 |  |
| NO, NOT AVAILABLE | 3 |  |

**PFC06000/(TRANSPORT\_COMMENT).** TRANSPORT COMMENT

|  |  |  |
| --- | --- | --- |
| Label | Code | Go To |
| NO COMMENTS | 1 | TIME\_STAMP\_PFC\_ET |
| COMMENT | 2 |  |

**PFC07000/(TRANSPORT\_COMMENT\_OTH).** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |
| --- |
| DATA COLLECTOR INSTRUCTIONS |
| * ENTER ANY TRANSPORT COMMENT.
 |

**(TIME\_STAMP\_PFC\_ET).**

|  |
| --- |
| PROGRAMMER INSTRUCTIONS |
| INSERT DATE/TIME STAMP |