This document provides guidance on the types of specifications that should be documented in the protocol if the study involves collection of blood. As the majority of the items that follow will be dictated on the protocol level and NOT collected for each and every specimen, CDEs are not associated with these guidelines.

## Blood Sample Collection Information

1. Date and time participant/ subject last ate: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)

### Serum

1. Was serum sample collected?: [ ]  Yes [ ]  No (skip to Question 6)
2. Date and time of serum sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube: [ ]  Red-Top [ ]  Other, specify
4. Method of serum collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size: **[ ]** 16 gauge **[ ]** 18 gauge **[ ]** 20 gauge **[ ]** Other, specify: **[ ]**  Unknown

### Plasma

1. Was plasma sample collected?: [ ]  Yes [ ]  No(skip to Question 11)
2. Date and time of plasma sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube:[ ]  EDTA [ ]  Heparin [ ]  Other, specify

1. Method of plasma collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size: **[ ]** 16 gauge **[ ]** 18 gauge **[ ]** 20 gauge **[ ]** Other, specify: **[ ]**  Unknown

### Platelets

1. Was platelet sample collected? [ ]  Yes [ ]  No (skip to Question 16)
2. Date and time of platelet sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube: [ ]  Red-Top [ ]  Other, specify
4. Method of platelet collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size: **[ ]** 16 gauge **[ ]** 18 gauge **[ ]** 20 gauge **[ ]** Other, specify:**[ ]** Unknown

### Buffy Coat

1. Was buffy coat sample collected? [ ]  Yes [ ]  No *(skip to Question 21)*
2. Date and time of buffy coat sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube: [ ]  Red-Top [ ]  Other, specify
4. Method of buffy coat collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size: [ ]  16 gauge [ ]  18 gauge [ ]  20 gauge [ ]  Other, specify: [ ]  Unknown

### RBCs

1. Was RBC sample collected? [ ]  Yes [ ]  No (skip to Question 26)
2. Date and time of RBC sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube: [ ]  Red-Top [ ]  Other, specify
4. Method of RBC collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size:[ ]  16 gauge [ ]  18 gauge [ ]  20 gauge [ ]  Other, specify: [ ]  Unknown

### Whole Blood (including DNA and RNA)

1. Was whole blood sample collected? [ ]  Yes [ ]  No (skip to Sample Processing Information section)
2. Date and time of whole blood sample collection: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
3. Type of collection tube: [ ]  Red-Top [ ]  PAXgene Tube [ ]  ACD Tube [ ]  Other, specify
4. Method of whole blood collection:

[ ]  Routine venipuncture w/ tourniquet

[ ]  Routine venipuncture w/o tournique

[ ]  Drawn through peripheral venous catheter

[ ]  Drawn through central venous catheter

[ ]  Drawn through PICC (peripherally inserted central catheter)

[ ]  Drawn through peripheral arterial puncture

[ ]  Drawn through arterial peripheral line

[ ]  Drawn through arterial central line

[ ]  Special procedures

[ ]  Other, specify:

1. Needle gauge size: [ ]  16 gauge [ ]  18 gauge [ ]  20 gauge [ ]  Other, specify: **[ ]** Unknown

### Sample Processing Information

Instructions: Fill out this part of the form for each type of sample collected, if multiple samples are collected.

1. Information for sample (choose only one):

[ ]  Serum

[ ]  Plasma

[ ]  Platelets

[ ]  Buffy coat

[ ]  Whole blood

[ ]  RBCs

1. How was sample stored following collection and prior to processing?

[ ]  On Ice [ ]  Room temperature [ ]  40C [ ]  Other, specify

1. Date and time of processing: // (m m/dd/yyyy) : (hh:mm, 24 hr clock)
2. Sample centrifuged? [ ]  Yes [ ]  No (Skip to Question 10) [ ]  Unknown (Skip to Question 10)

\*If Yes, type of centrifuge used: [ ]  Refrigerated [ ]  Non-refrigerated

1. Date sample centrifuged: // (m m/dd/yyyy)
2. Start Time sample centrifuged: : (hh:mm, 24 hr clock)
3. End Time sample centrifuged: : (hh:mm, 24 hr clock)
4. Speed at which sample centrifuged: x g
5. Force at which sample was centrifuged: rpm
6. Number of aliquots:
7. Volume of aliquots: mL
8. Volume of last aliquot, if different from other aliquots**:** mL **[ ]** N/A – same as other aliquots
9. Time sample aliquoted: : (hh:mm, 24 hr clock)
10. Time aliquots put on dry ice: : (hh:mm, 24 hr clock)
11. Were aliquots on ice prior to freezing? [ ]  Yes [ ]  No [ ]  Unknown
12. Time aliquots put in freezer: : (hh:mm, 24 hr clock)
13. What was the temperature of storage prior to freezing?

**[ ]** On Ice **[ ]** Room temperature **[ ]** 40C **[ ]** Other, specify

1. Method of freezing prior to long term storage:

[ ]  In freezing block [ ]  Dry ice [ ]  Liquid Nitrogen [ ]  Placed in freezer

1. Long term sample storage temperature: [ ]  -800C [ ]  -200C [ ]  40C [ ]  Other, specify 0C
2. Time in local storage: : (hh:mm, 24 hr clock)
3. Temperature of local storage: [ ]  -800C [ ]  -200C [ ]  40C [ ]  Other, specify 0C
4. Material used to store sample: [ ]  Glass [ ]  Plastic, specify type:
5. Additional processing methods used: **[ ]** Yes, specify **[ ]** No **[ ]** Unknown