

Blood Bank Competency 2023**Blood Bank Competency Quiz (50pts)**

- 1) MomBaby calls an MTP on a 30/F (blood type B+), five minutes after you've dispensed two Xm'ed on hold RBC units. You have a current type&screen and the patient is computer crossmatch eligible. Write out step-by-step what you would do for the first round of the MTP.

(15pts)

1. Thaw 2 FFP units. B or AB type
2. Crossmatch another 4 ^{units} B⁺ units PRBC
3. Order 1 Plt conc. any type if there's no available on the shelf.
4. Prepare documents and fill necessary information.

- 2) In what cases do we perform neonatal CordBlood (or heelstick) Testing? (3pts)

if it's hardstick

3) What steps need to be taken to transfer blood products to DMC? (6pts)

- ① Prepare documents for ~~the~~ transfer and fill them
- ② log details ~~to~~ at Cerner. w/ necessary information
- ③ Call courier.
- ④ Pack the blood products in ~~the~~ blood bank box.

4) What is the storage temperature range for the following? (6pts)

1. RBC: $2-6^{\circ}\text{C}$
2. FFP: $\leq -18^{\circ}\text{C}$
3. Cryo: $\leq -18^{\circ}\text{C}$
4. Platelets: $20-24^{\circ}\text{C}$
5. Thawed Plasma: $2-6^{\circ}\text{C}$ for ~~24 hrs~~
6. Thawed Cryo: $2-6^{\circ}\text{C}$ for ~~6 hrs~~

5) What are all the elements needed to make a patient eligible for computer crossmatch? (6pts)

- ① Patient must have a confirmed blood type on current specimen
- ② A second ABO Rh identification must be done
- ③ Must be identified with PPID
- ④ Must have no history of clinically significant antibodies.
- ⑤ Must not be a neonatal patient (< 4 months old)

6) A patient's plasma is panreactive 1+/2+ on the Echo Screen and Panels. You perform Tube Testing, DAT, AC, and Antibody Screen are all negative. What antibody is this? What are the requirements needed for future crossmatching? (4pts)

- ① Non-specific antibody
- ② AHG crossmatch

7) True/False (1pt ea)

1	All Rh negative patients should always receive Rh negative platelets.	<input checked="" type="radio"/> True / <input type="radio"/> False
2	Thawed plasma expires on the 5 th day at 2359, regardless of when it was thawed on Day 0.	<input checked="" type="radio"/> True / <input type="radio"/> False
3	ABORh Hx order can be added to patients who have a Previous History Found but the ABORh Type was not recorded in Cerner. This happens when ABORh type was transferred from a previous LIS.	<input checked="" type="radio"/> True / <input type="radio"/> False
4	Anti-K only needs 2 heterozygous rule-outs during an Ab ID.	<input type="radio"/> True / <input checked="" type="radio"/> False
5	The RBC TRX order can be placed by the CLS in Department Order Entry.	<input type="radio"/> True / <input checked="" type="radio"/> False
6	Echo Weekly Maintenance is performed on Tuesday.	<input checked="" type="radio"/> True / <input type="radio"/> False
7	The Rh system is the most immunogenic of the RBC antigen systems.	<input checked="" type="radio"/> True / <input type="radio"/> False
8	Current BBID bands can never be cut off and reattached to the patient.	<input checked="" type="radio"/> True / <input type="radio"/> False
9	ABORh discrepancies and Antibody Identification should always be resolved prior to resulting the blood type and issuing products for transfusion.	<input checked="" type="radio"/> True / <input type="radio"/> False
10	A Fetal Blood Screen can be performed on antepartum or postpartum patients of any blood type, if requested by the doctor.	<input checked="" type="radio"/> True / <input type="radio"/> False