

Referenced in L.02.025 Investigation of Suspected Transfusion Reactions, L.02.044 Transfusion Medicine Workflow, L.02.047 Emergency Release, and L.02.048 BCS Downtime-Transfusion Medicine

General Information

- All testing is performed at We Are Blood by CLIA qualified personnel.
- **Normal Laboratory Hours: Mon-Fri. 7:00am -7:00pm.** Testing services are available outside of these hours; however additional fees will apply (STAT, after-hours, etc).

Laboratory
(512) 206-1226 (phone)
(512) 206-1363 (fax)

Sample Collection

- It is the responsibility of the transfusing facility to collect and properly label blood samples for testing. Packets are provided to your facility that includes sample tubes, a Typenex wristband and a request form.
- Samples for transfusion testing can be collected at We Are Blood at the main location at **4300 North Lamar Blvd.** To arrange for this service, please call the Laboratory in advance of the patient's arrival.
- Collect samples within 24 hours of anticipated transfusion. Samples should be transported to We Are Blood as soon as possible after collection. **For STAT orders, please call the WrB laboratory to ensure timely processing.**
- **A second sample must be collected on all patients at a different time than the original samples. The sample labeling requirements are detailed below. The second sample will be used to perform a second blood type verification to ensure patient transfusion safety.**
- Samples may be delivered via courier, taxi or by We Are Blood (courier service fees apply).
- Samples and the request (**F.0495 Transfusion Medicine Request**) must be in agreement, and samples must be labeled at bedside concurrent with placing the wristband on the patient.

Note: Samples and requests are reviewed upon receipt at We Are Blood. If samples are mislabeled they must be discarded, and you will be requested to re-collect samples. Proper specimen collection is of utmost importance to patient safety!

Sample Labeling Requirements (Pre-printed labels may be used):

- ***Patient's full name***
- ***Medical Record Number or Social security number***
- ***Typenex number (blood bank wristband)***
- ***Collection date (must be hand-written unless the pre-printed label displays the current date)***
- ***Collection time (must be hand-written)***
- ***Phlebotomist's initials (must be hand-written)***

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- Using Typenex wristbands
 - Follow the manufacturer's directions for using the Typenex wristband to label samples and place the band on the patient. Instructions are located either in the collection packet or in the We Are Blood information binder at your facility.
- Specimens are routinely used for transfusion testing for three (3) days. For outpatient settings, a sample for crossmatch is routinely used for three (3) days past crossmatch date OR seven (7) days past specimen collection date, whichever is shorter, if the patient has not been pregnant or transfused in the last three months, has no history of an antibody and the current antibody screen is negative. Call We Are Blood laboratory for assistance. Record the 7-day specimen request in the comments section of the request form.
- Complete **F.0495 Transfusion Medicine Request Form** with all patient demographic and clinical information prompted.
- Red Blood Cell Orders
 - Request a "Type and Crossmatch", and indicate the quantity of products needed, priority, and any special requirements of the patient (CMV negative, irradiated, washed, etc.) on **F.0495 Transfusion Medicine Request Form**.
- Platelet Orders:
 - Patients must be wearing a Typenex (blood bank) wristband to receive platelets. Testing required, at a minimum, is an ABO/Rh blood type.
 - If the patient is already wearing a Typenex (blood bank) wristband issued by We Are Blood and an ABO/Rh has been performed, platelets may be issued without collecting additional samples for testing. Send a request (**F.0495**) for products only.
 - If the patient is not wearing a Typenex (blood bank) wristband issued by We Are Blood, collect a properly labeled sample (one tube is sufficient). Send sample(s) with a request (**F.0495**) for product and ABO/Rh testing (antibody screen is not necessary).
- Plasma Orders:
 - We Are Blood currently **does not** provide plasma products.

Product Issue

- Products can either be picked up by your courier, or delivered by We Are Blood (a courier service fee applies). Once issued, products **cannot** be returned.
- Upon delivery/prior to pickup of products, send or fax the following patient identification information to We Are Blood Laboratory:
 - **Patient name, Medical Record Number or Social security number, and Typenex (blood bank wristband) number**

Note: This information should be obtained from the patient's armband attached to the patient - NOT the patient's chart. If you discover that the patient is NOT wearing the armband at the time of the anticipated transfusion, call We Are Blood laboratory immediately.

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- The We Are Blood technologist will review this information. Blood products will not be released until this information is found to be accurate with the sample submitted for testing. Discrepancies in the identification of the sample submitted for testing will require sample recollection and repeat of all testing.
- Products that will not be transfused immediately will be left at your facility in coolers labeled “**Transfusion Services**”. Transfusion must be started by the time documented on the outside of the cooler.
 - If transfusion is unexpectedly delayed and cannot be started by the time noted on the cooler, call We Are Blood laboratory for assistance. ***Products cannot be returned from facilities that do not have a WrB approved, validated refrigerator to store blood.***

Transfusion Requirements

- Immediately before transfusion, the transfusionist and one other individual shall, in the presence of the recipient, verify the following information matching the blood or blood component with the intended recipient:
 - *The intended recipient’s identification (Name, Medical Record Number or Social security number, and Typenex (blood bank wristband) number).*
 - *The intended recipient’s ABO group and Rh type.*
 - *The donation (product) identification number.*
 - *The donor ABO group and Rh type.*
 - *The interpretation of crossmatch tests.*
 - *Special transfusion requirements.*
 - *The expiration date of the product (product is not expired).*

Note: This information must be verified with the patient’s armband on the patient-NOT from the patient’s chart. If you discover that the patient is NOT wearing the armband at the time of the anticipated transfusion, call We Are Blood laboratory immediately.

- Document this verification by signing the transfusion tag that accompanies each product.
- Once removed from the cooler, the entire unit must be transfused within 4 hours.
- The patient shall be monitored for potential adverse events during the transfusion and for an appropriate time thereafter as determined by the facility’s Medical Director.
- Specific written instructions concerning possible adverse events, including emergency medical care contacts shall be provided to the patient or a responsible caregiver when direct medical observation or monitoring of the patient will not be available after transfusion.
- We Are Blood does not provide infusion sets and does not maintain transfusion Standard Operating Procedures. These items are the responsibility of your facility.

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Suspected Transfusion Reactions

- Signs and symptoms of a transfusion reaction:
 - Febrile – fever and/or chills
 - Allergic – mild urticaria, itching, flushing
 - Severe allergic – blood pressure changes, asthma, edema, nausea/vomiting, diarrhea
 - Hemolytic – fever, chills, chest/flank pain, hypotension, nausea/vomiting, flushing, dyspnea, hemoglobinuria, DIC, oliguria, pain at needle site, shock, generalized bleeding
- Proper steps to take:
 - **Stop the transfusion immediately**, but keep the IV open.
 - Recheck the bedside verification.
 - Notify the ordering physician STAT.
 - Notify We Are Blood Laboratory.
 - We Are Blood will fax **F.0662 Suspected Transfusion Reaction Investigation** to you, and guide you through the investigation process. Complete the investigation form as soon as possible and return it to We Are Blood along with the following items:
 - Product bag and all attached solutions in a biohazard bag. **Remove all needles!**
 - A plain red top tube (no serum separator) and an EDTA tube properly labeled according to the Sample Collection section above. Label tubes “post-reaction”.
 - We Are Blood laboratory will perform a STAT investigation and notify your facility of testing results.
 - **DO NOT** transfuse additional blood products without instructions from We Are Blood laboratory. Medical Director review and approval is required prior to transfusions subsequent to a transfusion reaction.

Emergency Release of Blood Products

- If blood products are needed prior to obtaining a sample for testing, call We Are Blood laboratory. Be prepared with the following information:
 - **Patient's name**
 - **Requesting Physician** (the physician will be required to sign for responsibility to transfuse uncross-matched units).
- Collect properly labeled samples according to the Sample Collection section above. **Please ensure samples are ready for pick-up at the time the uncrossmatched products are delivered to ensure STAT processing.**
- The employee receiving the uncrossmatched products must sign an Emergency Release form (**F.0758 Emergency Release of Blood Products Pending Compatibility Testing**) acknowledging receipt of the products.
- The physician, transfusionist, and one other individual must then sign **the Emergency Release form** acknowledging responsibility for the transfusion. Fax the completed form to We Are Blood as soon as possible.
- Upon return of the sample to We Are Blood laboratory, testing will be performed STAT and results will be called to your facility.
- If the emergent situation continues, it is recommended to transport the patient to the nearest hospital, as We Are Blood cannot support transfusion requirements of an ongoing nature.

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A. Revision History

Revision No.	Effective Date	Section	Description	DCC No.
.01	08-07-2006	N/A	Converted job aid to new template; divided Sample Collection set into sections; and assigned a job aid number.	05-089
.02	06-20-2007	All 1.0 2.0 3.0 4.0 6.0	Editorial changes throughout. 1.0 Added phone and fax numbers. Updated normal business hours. 2.0 Updated SS# requirement. Added patient special requirements information. 3.0 Added product pick-up information. 4.0 Updated red blood cell temperature requirements. Clarified that platelets not within acceptable temperature cannot be used. Gave instructions regarding compatibility form archiving. 6.0 Added Emergency Release section for instructions for ordering, receipt and handling of uncrossmatched products.	07-055
.03	03-18-2009	N/A	Editorial. Removed F.0092.	07-178F
.04	05-26-2010	N/A	Editorial and formatting updates throughout. Added examples of special requirements CMV-, Irradiated. Added detail that plasma products are not provided by BTC. Removed table with release and handling requirements. Updated transfusion time requirements to be dependent upon the time documented on the cooler. Removed allowance for product return. Added Typenex instructions.	10-022
.05	12-22-2010	Added L.02.042 as referenced document. Added statements- that facilities with validated, monitored storage equipment may return blood products and that approval is required prior to additional transfusions for patients who have had a transfusion reaction.		10-143
.06	03-09-2011	Editorial-Added L.02.025 to header as reference.		10-145
.07	04-06-2011	Updated procedure to allow compatibility clients to fax patient identification to BTC to verify patient identity prior to picking up products for transfusion.		11-036
.08	07-27-2011	Clarified product issue information. Updated transfusion identification verification for update to Standards.		11-072
.09	03-20-2013	Update in 28 th edition of AABB standards. 5.26.4 to add 'the		13-018

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		transfusionist and one other individual shall' – for information verification prior to transfusion.	
.10	07-31-13	CP-13-0007. Added allowance for pre-printed labels to be used for sample and wristband identification. Removed HS phone number. Removed instructions for using Typenex wristbands- replaced with reference to manufacturer's instructions for use.	13-068
.11	04-09-2014	Clarified 7 day specimen requirements. Update title change to L.02.044; remove L.02.041, L.02.042; add L.02.047 and L.02.048.	13-207
.12	03-29-2017	Updated company name in header and throughout. Clerical edits throughout. Added Medical Record Number to patient identification.	17-021
.13		Added details related to monitoring the patient during and for a period of time following transfusion as defined by the facilities MD and ensuring emergency medical care contact information is provided when the patient will not be monitored by a medical professional following transfusion. Added a requirement to collect a second sample at a different time to ensure patient safety. All additions are due to 32 nd AABB BB/TS standards update.	20-018

Signature Manifest

Document Number: J.057

Revision: 13

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All dates and times are in Central Standard Time.

AABB Standards - Lab

Change Request

Name/Signature	Title	Date	Meaning/Reason
Mindy Andrews (MLANDREWS)	TS Lab Manager	25 Feb 2020, 03:08:32 PM	Approved

Edit Phase

Name/Signature	Title	Date	Meaning/Reason
Rebecca Cersosimo (RCERSOSIMO)	VP Tech and Client Svcs	27 Feb 2020, 04:41:48 PM	Complete & Quit
Cari Unger (CUNGER)	Chief Quality Officer	02 Mar 2020, 12:53:24 PM	Complete & Quit
Eureka Ross (EROSS)	QA Manager TS	03 Mar 2020, 07:35:03 AM	Complete & Quit
Juan Martinez (JMARTINEZ)		05 Mar 2020, 06:14:53 PM	Complete & Quit
Justine Garza (JGARZA)	Director of Bussiness Developm	09 Mar 2020, 02:11:21 PM	Complete & Quit
Marian Garrard (MGARRARD)	EVP and COO	10 Mar 2020, 03:42:58 PM	Complete & Quit
Mindy Andrews (MLANDREWS)	TS Lab Manager	12 Mar 2020, 11:21:54 AM	Complete

Approval

Name/Signature	Title	Date	Meaning/Reason
Mindy Andrews (MLANDREWS)	TS Lab Manager	12 Mar 2020, 11:32:40 AM	Approved
Marian Garrard (MGARRARD)	EVP and COO	12 Mar 2020, 11:35:03 AM	Approved
Cari Unger (CUNGER)	Chief Quality Officer	12 Mar 2020, 01:49:43 PM	Approved
Eureka Ross (EROSS)	QA Manager TS	12 Mar 2020, 03:09:19 PM	Approved
Rebecca Cersosimo (RCERSOSIMO)	VP Tech and Client Svcs	13 Mar 2020, 08:46:28 AM	Approved

MD Approval

Name/Signature	Title	Date	Meaning/Reason
Todd Nishimoto (TNISHIMOTO)	Medical Director - Blood	13 Mar 2020, 12:44:58 PM	Approved

Training Evaluation

Name/Signature	Title	Date	Meaning/Reason
Rebecca Cersosimo (RCERSOSIMO)	VP Tech and Client Svcs	13 Mar 2020, 01:19:54 PM	Reviewed