

Blood Components Reference Manual Table of Contents

Puget Sound Blood Center Regional Edition

Section A Ordering Blood Components

Part I: Introduction to the Puget Sound Blood Center I.1

 Description of Service and Service Area..... I.1

 Additional Services Available through Puget Sound Blood Center I.2

 Physician Consultation I.2

 Specialized Testing and Processing..... I.2

 Assistance With Procedures I.2

 Transfusion Information Service..... I.3

 Sample Transport I.3

Puget Sound Blood Center

Founded in 1944, the Blood Center has a long and unique tradition of blending community volunteerism, medical science and research to improve patients’ lives. The Blood Center, which serves patients in more than 70 hospitals and clinics in 14 counties with blood services, provides tissue and transplantation support to 185 hospitals across the Northwest.

Blood Center physicians are full time faculty members at the University of Washington School of Medicine. The Blood Center’s research has pioneered many scientific and therapeutic advances in transfusion medicine and, more recently, in tissue banking. Operating the world’s largest centralized transfusion service and the Northwest Tissue Center, the Blood Center is fertile ground for research that improves transfusion therapy, increases understanding of blood diseases, genetics and immunology. This expanding research program is funded by NIH and other peer-reviewed grants and often involves collaboration with others such as the University of Washington and Fred Hutchinson Cancer Research Center.

Puget Sound Blood Center

Blood Components Reference Manual

Regional (Outside of King County) Edition

Use of Manual

This manual is intended as a reference tool for staff in hospitals outside of King County served by the Puget Sound Blood Center. **This Regional Edition** contains information for the regional facilities (outside of King County) that obtain blood components, but not crossmatch service, from the Puget Sound Blood Center. A King County Edition is available for hospitals and facilities in King County using the Centralized Crossmatch Laboratory service provided by the Puget Sound Blood Center.

Questions or concerns regarding content of the manual should be directed to the Clinical Associate. **Questions regarding blood component ordering should be directed to the Inventory Management Department.**

- **Manual Inquiries: Clinical Associate (206) 292-1840**
- **Blood Component Ordering: Inventory Management (206) 292-6524**

Updates

The manual will be reviewed periodically. The Clinical Associate will coordinate the revision of required updates. Updates will be communicated to the Blood Center Regional clients via email to each hospital designee and will also be updated online. Facilities using this manual should intermittently check the website for periodic updates. The manual is available online at www.psbcc.org. If you have any questions concerning the updates, contact the **Clinical Associate**.

To Print Additional Copies of this Manual

Copies of the manual are available on the Puget Sound Blood Center web site (www.psbcc.org). A pdf version of the manual is available online and allows each facility to easily print additional copies. The Blood Components Reference Manual web site link is as follows:

<http://www.psbcc.org/bcrm/index.htm>

Clinical Associate (206) 292-1840

Section A

Ordering Blood Components

Part I: Introduction to the Puget Sound Blood Center

Description of Service and Service Area

The nonprofit Blood Center is the regional resource for patients requiring blood, tissue and specialized laboratory services. The Blood Program is a key link in the healthcare network, serving patients in more than 70 hospitals, clinics and home transfusion services in 14 counties of Western Washington. We provide tissue for transplantation across Washington, Alaska, Idaho and Montana. Blood Program physicians offer 24-hour medical consultation to improve patient care.

To fulfill our commitment to maintain an adequate blood supply for the hospitals we serve, the Blood Center maintains the following services:

- The **Blood Collection Services (BCS)** department performs whole blood and apheresis collections at fixed sites scattered throughout the service region. Mobile campaigns are held throughout the service region for whole blood collections from volunteer donors.
- The **Donor and Volunteer Resources (DVR)** department recruits exclusively volunteer blood donors and arranges mobile blood drives to enable over 800 donors a day to donate blood.
- The **Donor Testing Laboratory** screens all donated blood and components for evidence of infectious disease.
- The **Inventory Production Laboratory (IP)** prepares the components: Platelets, Plasma, Cryoprecipitate and Red Blood Cells within 8 hours of the time whole blood is donated.
- The **Red Cell Reference Laboratory** is responsible for the identification of red cell antibodies, difficult compatibility testing and pre-natal/post-natal testing.
- The **Inventory Management (IM)** department is responsible for taking regional hospital stock orders, filling the orders and arranging transportation.

Description of Service and Service Area - continued

Additional Services Available through Puget Sound Blood Center

Bone Marrow Donor Program	Platelet Laboratory
Community Apheresis and Matched Platelet Program	Preoperative Autologous Blood Collection
Directed Donations	Public Education
Hemophilia Care Program	Research Programs and Grants
Immunogenetics/HLA Laboratories	Therapeutic Apheresis
Compatibility Testing (Routine)	Therapeutic Phlebotomy
Northwest Tissue Center	Transfusion Medicine Education
Outpatient Transfusion Services	Transfusion Safety and Surveillance
Peripheral Blood Stem Cell Program	Volunteer Program

For additional information regarding other services offered by the Blood Center, see Section G, Other Services.

Physician Consultation

Puget Sound Blood Center physicians provide 24-hour consultation to medical staff. To contact a Blood Center physician, phone the Transfusion Service at (206) 292-6525 and ask for the Physician-on-Call.

Specialized Testing and Processing

The Blood Center will perform requested red cell compatibility test procedures, including antibody identification and other reference laboratory procedures. The Blood Center will carry out special preparations of blood components requested by the hospital and appropriate to the patient's needs.

Assistance With Procedures

The Blood Center will recommend and assist the hospital in establishing acceptable standard procedures for:

- blood usage and review
- out of hospital transfusion
- patient identification and blood administration
- quality assurance
- sample collection and ordering
- serologic testing
- staff training in transfusion procedures
- storage and handling of blood components

Additional Services Available Through Puget Sound Blood Center - continued

Transfusion Information Service

The Transfusion Information Nurse can be reached at (206) 292-1840, Monday through Friday, for consultation on transfusion safety and administration issues. The nurse can also provide information to patients about blood and assist the hospital's staff and physicians in answering patients' inquiries concerning transfusion.

Sample Transport

On occasion, hospitals may request to use the Blood Center's internal courier to have a patient sample transported from an outlying Donor Center to a Blood Center Laboratory. The Blood Center is in no way liable or obliged to guarantee or provide this service but makes it available as a customer service. The agency has the following responsibilities in this situation:

- **Notification**

The agency shall notify the Supervisor (or designee) at the Donor Center location where they intend to drop off the sample on the day of the sample transport.

- **Time considerations**

The agency is responsible to ensure the sample arrives at the Donor Center in time to make the final courier run of the day to a Blood Center Laboratory. This service cannot be used for same day transfusion because of the limited courier pick-up times. It may be used for next day transfusion or other laboratory testing.

- **Sample packaging and labeling**

Samples must be brought into the Donor Center properly labeled (sample tube label and Laboratory Request form completed), contained in an appropriate biohazard container and visibly marked for which Laboratory [if for Compatibility Testing Lab, specify location: Central (First Hill, Seattle), UDL (University District Lab, Seattle), Bellevue, or Renton].