5.0 Transfusion Service Agreement

Customers of the Transfusion Services require information regarding tests performed and their turn around times, test methods employed, sample requirements and appropriate contact personnel.

A. Organizational Issues
1. Hours of operation: 24 hours, 7 days
2. Contacts: Telephone: 410-521-5926 Fax: 410-922-6545
3. Staff: Medical Technologist and Medical Laboratory Technicians.
4. Problems/ Consultation: Manager or Team Leader on site or on call: 24 hours.
5. Medical Consultation: Pathologist on site or on call: 24 hours. Contact the Transfusion Services to reach above individuals.
6. Tests/turn around times
7. Sample requirements
8. Accrediting agencies

B. Specimen Requirements

1. Patient specimens must be labeled as per standard hospital policy including name and medical record number. No discrepancies, omissions, etc. may exist in name spelling, identification numbers or other required information either on the tube or requisition.

2. Sample type (tubes must be full)
   - One six (6) ml. Pink top vacutainer
   - One three (3) ml. Lavender top vacutainer (ABO/Rh Recheck only)

3. All samples for Blood Bank must include the date, time of collection and signature of the phlebotomist.

4. Tests performed:
   - ABO/Rh
   - ABO/Rh Recheck
   - Antibody Screen
   - Crossmatch
   - Direct Coombs
   - Rh Immune Globulin Studies
   - Serological Problem Solving
   - Transfusion Reaction Evaluation
C. Procedures

1. Test method and service turn around time described below:

- ABO/Rh (Tube): STAT – 5 minutes / Routine – 8 hour shift
- Antibody Screen (Tube or Gel): STAT – 1 hour / Routine – 8 hour shift
- Direct Coombs: STAT – 1 hour / Routine – 8 hour shift
- Compatibility/Crossmatch (required for Red Blood Cells):
  - Completed ABO/Rh and Antibody Screen is necessary
  - Computer Crossmatch (by protocol): STAT – 30 minutes / Routine – 8 hour shift
  - Immediate Spin: STAT – 30 minutes / Routine – 8 hour shift
  - IgG Coombs: STAT – 1 hour / Routine – 8 hour shift
  - None (emergency release/uncrossmatched): 10 minutes
- Antibody Identification (may be sent out to reference lab): 8-24 hours
- Transfusion Reaction Evaluations (Pathologist review of patient clinical history): 8 hours from the time the reaction is reported (verbal and electronic/written report unless complicated by prolonged technical workup).
- Frozen Plasma
  - Completed ABO/Rh and Antibody Screen is necessary
  - Thawed- 45 minutes
- Platelets
  - Completed ABO/Rh and Antibody Screen is necessary
  - Pheresis (available in house) – 15 minutes
  - Add 2 hours to above time if pheresis platelets must be transferred from Sinai or ordered from Red Cross.
- Cryoprecipitate
  - Completed ABO/Rh and Antibody Screen is necessary
  - Thawed and transferred from Sinai – 2 hours
- Rh Immune Globulin:
  - Completed ABO/Rh is necessary
  - Prepared- 15 minutes
2. **Red Cell Special Requests**

- Leukoreduced: Standard for all patients.
- Sickle Negative: Standard for all sickle cell patients.
- C, E, and/or K Negative: standard for all sickle cell patients based on patient phenotype
- CMV Negative: Physician request only.
- Irradiated: Physician request only.
- Red cell modification (split unit, irradiated, washed, etc.): prepared and transferred from Sinai – 2 hours

3. **Notification of delay**

- The caregiver will be immediately notified of a delay in service for the following conditions:
  - Patient with serology requiring additional reference tests.
  - Patient requiring phenotyped blood.
  - Product requested not available in house.

4. **Transportation of products**

- Blood products weighing less than 331 mls (350 g) – picked up in Blood Bank or delivered via pneumatic tube to critical care/OP/IMC areas only
- Blood products weighing more than 331 mls (350 g) – picked up in Blood Bank

D. **Compliance Regulatory Agencies**

1. All tests, services, and products are performed or distributed in compliance with the most recent standards and regulations available from the following accrediting agencies:
   - American Association of Blood Banks (AABB)
   - The Joint Commission (TJC)
   - College of American Pathologists (CAP)
   - Food and Drug Administration (FDA)
   - Department of Health and Mental Hygiene (DHMH)

2. All suppliers of blood products and critical testing materials are screened by the Transfusion Services prior to receipt of the items.

E. **Factors affecting turn around times include:**

1. Multiple STAT samples
2. Multiple component preparation requests
3. Quality of patient sample (labeling, quantity, hemolysis, etc)
4. Available personnel
5. Transportation
6. Blood product availability
7. Turnaround times can be monitored with the Cerner computer system which documents each step of testing and component preparation.