

TURNAROUND TIME FOR BLOOD BANK PRODUCTS AND SERVICES

The following guidelines for expected response or turnaround time (TAT) have been determined by the Blood Bank staff, management, and the Medical Director. Circumstances that may cause deviation from these guidelines include, but are not limited to: patient identification issues, instrument malfunctions, shortage/availability of products, heavy workload, antibody problems, or delays in transportation.

The turnaround time is from the time the specimen is received in the Blood Bank.

INPATIENT PRODUCTS AND SERVICES		
PRODUCTS	STAT (minimum time)	ROUTINE (minimum time)
Uncrossmatched RBC – Group O	15 minutes	N/A
Uncrossmatched RBC - ABORh Type Specific	20 minutes	N/A
Crossmatched RBC (negative antibody screen)	10 minutes	20 minutes
Crossmatched RBC (positive antibody screen)	N/A	2 hours to 2 days depending on antibodies and product availability
Platelets	20 minutes to 2 hours (site dependent)	1 hour to 4 hours (site dependent)
Frozen Plasma (thawed)	30 minutes	1 hour
Cryoprecipitate (thawed)	20 minutes	1 hour
SERVICES	STAT (minimum time)	ROUTINE (minimum time)
Blood Type	15 minutes	30 minutes
Type and Screen	45 minutes	2 hours
Type, Screen, and Crossmatch (negative antibody screen)	45 – 60 minutes	2 hours
Crossmatch (antibody screen negative)	10 minutes	20 minutes
Antibody Identification	N/A	2 hours to 2 days depending on complexity (performed at EH, GS, and SC only)
Antibody Titration	N/A	2 hours to 2 days (performed at GS only)
ABORh and DAT (neonate)	15 minutes	1 hour
RhoGAM workup (Type, Screen, and Fetal Cell Screen)	1 hour	2 hours
PAS (Preadmission Sample)	N/A	8 hours

OUTPATIENT PRODUCTS AND SERVICES (same-day transfusion dependent on workload)

PRODUCTS	STAT (minimum time)	ROUTINE (minimum time)
Crossmatched RBC (negative antibody screen)	N/A	2 hours
Crossmatched RBC (positive antibody screen)	N/A	2 hours to 2 days depending on antibodies and product availability
Platelets	20 minutes to 2 hours (site dependent)	1 hour to 4 hours (site dependent)
Frozen Plasma (thawed)	30 minutes	1 hour
Cryoprecipitate (thawed)	20 minutes	1 hour
SERVICES	STAT (minimum time)	ROUTINE (minimum time)
Blood Type (ABORH only)	15 minutes	30 minutes
Type and Screen	N/A	2 hours
Type, Screen, and Crossmatch (negative antibody screen)	N/A	2 hours
Antibody Identification	N/A	2 hours to 2 days depending on complexity (performed at EH, GS, and SC only)
Antibody Titration	N/A	2 hours to 2 days (performed at GS only)
ABORh and DAT (neonate)	15 minutes	1 hour
RhoGAM workup (Type, Screen, and Fetal Cell Screen)	2 hours	4 hours
Prenatal Panel	N/A	24 to 72 hours

PRODUCT MODIFICATIONS (allow additional time)

PROCESS	STAT (minimum time)	ROUTINE (minimum time)
Irradiated Product	10 minutes to 2 hours (site dependent)	1 hour to 2 hours (site dependent)
Washing RBC (LEH only)	1 hour per product	1.5 hours per product
Divided/Split/Aliquoted Product – RBC, FP, Platelet (LEH and LSC only)	25 minutes per product (allow additional time for thawing or other modifications, if required)	30 – 45 minutes per product (allow additional time for thawing or other modifications, if required)
ECMO for Neonates/Pediatrics (LEH only)	Unwashed RBCs: 10 – 15 minutes Washed RBCs: 1 hour per product	N/A
Exchange	2 hours (presence of antibodies may increase TAT)	N/A

BLOOD BANK ORDERS:

- Clot to Hold:** Order if low likelihood of transfusion. Provides appropriately labeled sample tube to the Blood Bank.
- Type and Screen:** Order if low to moderate likelihood of transfusion. Provides blood type (ABORH) and antibody screen. If antibody is identified, antigen negative blood will be available in case transfusion is ordered in the future. Type and screen is good for 3 days.
- Type and Crossmatch:** Order if moderate to high likelihood of transfusion, or if transfusion is imminent. Provides blood type (ABORH) and antibody screen. Products are tested (i.e. crossmatched) for the patient as ordered. If antibody is identified, antigen negative blood will be available. Crossmatch is good for 3 days.