



IRL TEST INFORMATION CHART

TEST	CBC DEPARTMENT / TESTING LAB	MINIMUM SAMPLE REQUIREMENTS (No Serum Separators)	TEST METHOD	TURNAROUND TIME (TAT)
ABO/Rh - Blood Type	Reference & Transfusion (R&T) Services	5-14 mLs Clotted (Red), EDTA (Purple/Pink) or Heparin, ACD or CPD	Serological	Case and order priority dependent
Indirect Antiglobulin Test (IAT)	Reference & Transfusion (R&T) Services	14 mLs EDTA	Serological	Case and order priority dependent
Type & Screen (Includes ABO/Rh & Antibody Screening)	Reference & Transfusion (R&T) Services	5-14 mLs EDTA	Serological	Case and order priority dependent
Type & Crossmatch (Includes ABO/Rh, Antibody Screening & Crossmatching)	Reference & Transfusion (R&T) Services	5-14 mLs EDTA	Serological	Case and order priority dependent
ABO/Rh Discrepancy Investigation	Reference & Transfusion (R&T) Services	14 mLs Clotted (Red), EDTA (Purple/Pink) or Heparin, ACD, CPD)	Serological	Case and order priority dependent
ABOi Transplant Antibody Titers (Red Cell)	Reference & Transfusion (R&T) Services	14 mLs EDTA	Serological	Case and order priority dependent
Adsorption Studies	Reference & Transfusion (R&T) Services	28 mLs EDTA	Serological	Case and order priority dependent
Antibody Identification Panels (Red Cell)	Reference & Transfusion (R&T) Services	14 - 28 mLs EDTA	Serological	Case and order priority dependent
Antibody Titration Studies (Red Cell)	Reference & Transfusion (R&T) Services	14 mLs EDTA	Serological	Case and order priority dependent
Antigen Screening - Donor Red Cells (Historical Antigen Negative - C, c, E, K; Tier 1 - C, c, E, K, M, N; Tier 2 - Jk(a,b), Fy ^a , Di ^a , Kp ^a , e, Le(a,b), P ₁ ; Tier 3 - Fy ^b , Lu ^b , Kp ^b , S, s, Cw, k, Wt ^a , & other low or high incidents)	Reference & Transfusion (R&T) Services	No Patient Specimen Required	Serological and/or Molecular	Case and order priority dependent
Antigen Typing - Molecular Genotyping (Patient)	Reference & Transfusion (R&T) Services	5 - 14 mLs EDTA (Non-Disturbed)	Molecular	Routine Batched (M, W, F)
Antigen Typing - Serology (Patient)	Reference & Transfusion (R&T) Services	7 mLs EDTA	Serological	Case and order priority dependent

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Cold Agglutinin Screen	Reference & Transfusion (R&T) Services	7 - 14 mLs EDTA	Serological	Case and order priority dependent
Cold Agglutinin Titration Studies	Reference & Transfusion (R&T) Services	7 mLs EDTA, Collected & Separated at 37°C	Serological	Case and order priority dependent
Complete Red Cell Phenotype (Patient)	Reference & Transfusion (R&T) Services	14 mLs EDTA	Serological	Case and order priority dependent
Crossmatching - Immediate Spin, Electronic or AHG (Coombs) (Includes Type & Screen)	Reference & Transfusion (R&T) Services	7 - 14 mLs EDTA (No more than 3 days old)	Serological	Case and order priority dependent
Direct Antiglobulin Test (DAT)	Reference & Transfusion (R&T) Services	5 - 14 mLs EDTA	Serological	Case and order priority dependent
Donath Landsteiner Test & Thermal Amplitude Tests	Reference & Transfusion (R&T) Services	7 mLs EDTA, Collected & Separated at 37°C	Serological	Case and order priority dependent
Drug Studies	Reference & Transfusion (R&T) Services	7 - 14 mLs EDTA or Clotted (Red Top) (May also need Drug)	Serological	Case and order priority dependent
Elution Studies (Red Cell)	Reference & Transfusion (R&T) Services	14 mLs EDTA	Serological	Case and order priority dependent
Enzyme Treatments (Chloroquine Diphosphate, DTT, ZZAP, EGA, Ficin, Bromelin & Trypsin) / Inhibitions / Acidifications / Neutralizations	Reference & Transfusion (R&T) Services	28 mLs EDTA	Serological	Case and order priority dependent
Hemoglobin S (Hgb S) - Sickle Cell Screen	Reference & Transfusion (R&T) Services	5 - 7 mLs EDTA	Hemoglobin Solubility	Case and order priority dependent
Molecular Genotype Matched (Donor Red Cell)	Reference & Transfusion (R&T) Services	No Specimen Required	Molecular	Case and order priority dependent
Polyagglutination Studies (Lectin Panel)	Reference & Transfusion (R&T) Services	7 - 14 mLs EDTA (Must be tested ASAP after collection)	Serological	Case and order priority dependent
Rh Phenotype (Patient)	Reference & Transfusion (R&T) Services	7 mLs EDTA	Serological	Case and order priority dependent

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Transfusion Reaction Workup (includes Initial & Extended)	Reference & Transfusion (R&T) Services	7 mLs EDTA, Collected Post-Transfusion	Serological	Preliminary within 1 hour & Final Report within 10 days (Case Dependent)
IgG Subclass Classification and/or Monocyte Monolayer Assay (MMA)	Reference & Transfusion (R&T) Services (Send Out)	14 mLs EDTA	Serological	Case and order priority dependent
Molecular Sequencing, RHD & RHCE (Patient)	Reference & Transfusion (R&T) Services (Send Out)	7 mLs EDTA (Non-Disturbed)	Molecular	Case dependent
CD34/CD3 Determinations	Reference & Transfusion (R&T) Services Flow Cytometer Services	7 mLs EDTA (Less than 24 hours old)	Flow Cytometry	Within 24 hours
Fetal Hemoglobin (HgbF) Determinations (Patient)	Reference & Transfusion (R&T) Services Flow Cytometer Services	5 - 7 mLs EDTA	Flow Cytometry	Routine Batches (3x a Day)
Residual White Blood Cell Counts (Donor)	Reference & Transfusion (R&T) Services Flow Cytometer Services	5 - 7 mLs EDTA	Flow Cytometry	Within 48 hours
HLA Matched Apheresis Platelet	Reference & Transfusion (R&T) Services Platelet Services	No Specimen Required	Computer Match	Case and order priority dependent
Neo Thrombocytopenia Investigation	Reference & Transfusion (R&T) Services Platelet Services	7 mLs Clotted (Red)	Solid Phase Enzyme Linked Immunosorbent Assay (ELISA)	24 hours of request and receipt of sample
Platelet Antibody Screen (Patient) (includes serological HLA antibody screen)	Reference & Transfusion (R&T) Services Platelet Services	7 mLs Clotted (Red Top) & 7 mLs EDTA if potential platelet crossmatching needed	Solid Phase Enzyme Linked Immunosorbent Assay (ELISA)	Case and order priority dependent
Platelet Crossmatching	Reference & Transfusion (R&T) Services Platelet Services	7 mLs EDTA	Solid Phase Red Cell Adherence (SPRCA)	Case and order priority dependent
Post Transfusion Purpura (PTP) Investigation (Includes Platelet Antibody Screen)	Reference & Transfusion (R&T) Services Platelet Services	7 mLs Clotted (Red)	Solid Phase Enzyme Linked Immunosorbent Assay (ELISA)	24 hours of request and receipt of sample
Molecular HLA Donor Testing (HLA Typing A, B, C or Serum Screening for Cytotoxic PRA)	Reference & Transfusion (R&T) Services Platelet Services (Send Out)	7 mLs EDTA	Molecular	Case and order priority dependent
Molecular HLA Antibody Screen (Patient)	Reference & Transfusion (R&T) Services Platelet Services (Send Out)	7 mLs Clotted (Red Top)	Molecular	Case and order priority dependent

TEST	CBC DEPARTMENT / TESTING LAB	MINIMUM SAMPLE REQUIREMENTS (No Serum Separators)	TEST METHOD	TURNAROUND TIME (TAT)
Calibrated Pipettes (includes Cleaning & Calibration)	Quality Control Services - Tyler	No Specimen Required	N/A	Within 3-7 days

As of 10/26/2020