**General Information**

**Lab Order Codes:** ATOXM

**Synonyms:** Auto-Flow Crossmatch; T & B Lymphocyte, Flow Crossmatch

**CPT Codes:** 86825 x2 – Human leukocyte antigen (HLA) crossmatch, non-cytotoxic; first serum sample or dilution

**Test Includes:** Selected patient sera are titered and crossmatched against allogenic and autologous T and B lymphocytes

**Logistics**

**Test Indications:** Determine presence or absence in potential recipient’s serum of HLA antibody reactive with potential donor’s cells which may result in hyperacute rejection of a transplant.

**Lab Testing Sections:** Serology – Sendouts

**Referred to:** Fairview University (FV Test: ATOXMR)

**Phone Numbers:**
- MIN Lab: 612-813-6280
- STP Lab: 651-220-6550

**Test Availability:** Monday – Thursday ONLY, Do not collect on a Friday, weekend or holiday

**Turnaround Time:** Results are reported within 5 days

**Special Instructions:** Collect specimen prior to dialysis. Inform lab if patient is receiving Rituximab. Testing must be performed within 3 days of collection.

**Specimen**

**Specimen Type:** Blood

**Container:** Red top (NO GEL) and Yellow (ACD, Solution A) tubes
**Draw Volume:**

**Optimal:** 14 mL in Red (NO GEL) and 40 mL in Yellow (ACD, Sol A)

**Minimum/Peds <8 yrs:** 3 mL in Red (NO GEL) and 10 mL in Yellow (ACD, Sol A) Call Fairview Immunology (612-273-3100) for additional minimum volume information. Use of minimum volumes is discouraged for any patient over 8 years old.

**Processed Volume:** Specimen will be processed at reference lab, Fairview Immunology (UMMC-East Bank)

**Collection:** Routine blood collection

**Special Processing:** Lab Staff: DO NOT centrifuge. Specimen should remain in original collection container. Store and ship specimen at ambient temperature. Forward promptly.

**Patient Preparation:** See [Special Instructions](#)

**Sample Rejection:** Mislabeled or unlabeled specimens; clotted ACD specimen; gross hemolysis; immunosuppression drug interference

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**Interpretive**

**Reference Range:** Interpretive report

**Critical Values:** N/A

**Limitations:** N/A

**Methodology:** Flow cytometry

**Contraindications:** Serum will not clot (if collected during or immediately after dialysis)

**References:** [Fairview University Laboratory Test Guide](#) June 2018