
Lab Dept: Serology

Test Name: HLA ANTIBODY (PRA)

General Information

Lab Order Codes: PRA
PRADS (Solid Organ Transplant)
PRABM (Bone Marrow Transplant)

Synonyms: ALA; Donor Specific Antibody (DSA); HLA Class I/II Antibody; PRA (Panel Reactive Antibody); WBC Antibody; White Cell Antibody

CPT Codes: No charge if the transplant was at the UM.

Test Includes: Patient's serum tested against purified HLA antigens to determine the presence of HLA Class I and/or HLA Class II antibody. Reflex testing, as determined by the laboratory, to determine the percent reactivity and/or specificity of the HLA antibodies present.

Logistics

Test Indications: Useful for detection of HLA Class I and/or Class II antibodies in patient serum. High levels of HLA antibody may result in difficulty in finding a compatible organ donor.

Lab Testing Sections: Serology - Sendouts

Referred to: Fairview University Labs (Fairview test code: PRAIGG, PRADSA, PRABMR)

Phone Numbers: MIN Lab: 612-813-6280

STP Lab: 651-220-6550

Test Availability: Daily, 24 hours

Turnaround Time: Results are reported with 7 days.

Special Instructions: Collect specimen prior to dialysis. Do not collect specimen if patient has received anti-thymocyte globulin, OKT3 or Campath recently; these drugs may cause false positive results.

Specimen

Specimen Type: Blood

Container: Red-top (NO GEL) tube

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| Draw Volume: | Minimum: 14 mL blood for adult Minimum: 3 mL blood for pediatrics |
| Processed Volume: | Same as Draw Volume |
| Collection: | Routine venipuncture |
| Special Processing: | Lab Staff: DO NOT centrifuge. Deliver unopened tube(s) to Sendouts. Send as whole blood. Store and ship at room temperature. Protect from temperature extremes. |
| Patient Preparation: | None |
| Sample Rejection: | Gross hemolysis; immunosuppression drug interference; mislabeled or unlabeled specimens |

Interpretive

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| Reference Range: | N/A |
| Critical Values: | N/A |
| Limitations: | N/A |
| Methodology: | Luminex solid phase assay |
| References: | Fairview-University (November 2019) |
| Updates: | 11/22/2019: Updated minimum volume for pediatrics. Previously processed as serum, now sent as whole blood. 10/2/2020: Added info for specific transplant types |