Platelet Antibody Testing Algorithm

Autoimmune cause of thrombocytopenia suspected, such as:
- Idiopathic thrombocytopenia purpura (ITP)
- Secondary ITP*

Has the patient received a platelet transfusion in the last 72 hours?
- YES
  - Delay specimen collection until after 72 hours posttransfusion.
  - Transfused platelets will interfere with assay.
- NO
  - Is the patient a neonate (<31 days old)?
    - YES
      - Consider autoantibody testing
    - NO
      - Consider sending maternal sample instead of neonate, unbound platelet antibodies may not be detected in the neonate serum.

Alloimmune causes of thrombocytopenia suspected, such as:
- Refractoriness to platelet transfusion (PTR)
- Neonatal alloimmune thrombocytopenia (NAIT)
- Posttransfusion purpura (PTP)

Has the patient received a platelet transfusion in the last 72 hours?
- YES
  - Delay specimen collection until after 72 hours posttransfusion.
  - Transfused platelets will interfere with assay.
- NO
  - Is the patient a neonate (<31 days old)?
    - YES
      - Order PLABN / Platelet Antibody Screen, Serum
    - NO

* Secondary ITP may be associated with systemic lupus erythematosus, HIV, or hepatitis C virus infections. Additional testing for antiphospholipid antibodies or infectious disease testing should be considered.