

CLIENT SERVICES

Laboratory Testing

The laboratory at Sheppard Community Blood Center performs all initial donor screening tests mandated by federal regulatory agencies using state of the art instrumentation.

The Sheppard Community Blood Center and its laboratory are licensed by the Food and Drug Administration (FDA) under license number 881 to collect, prepare, store, distribute and test blood components. We are accredited by CLIA (#11D0262939) and the American Association of Blood Banks (AABB).

The testing laboratory participates in the College of American Pathologists (CAP) and the American Association of Bioanalysts (AAB) proficiency surveys.

Instrumentation and Testing Platforms Include:

- Roche cobas S201 Nucleic Acid Amplification Testing (NAT)
Performed in pools of six or singlet.
Assays are FDA licensed for both whole blood and HCT/P donors
Assays include Multiplex (HIV/HCV/HBV) and West Nile Virus
- Abbott PRISM (Chemiluminescent Assay) Viral Marling Screening
Assays include: Hepatitis B core antibody
Hepatitis B Surface Antigen
Hepatitis C Antibody
HIV-1,2 Antibody, including Group O
HTLV-I/II Antibody
- Beckman Coulter PK7300
Assays include: Blood cell Grouping
Syphilis Antibody Screens
CMV Antibody Screens
Rh/Kell Phenotyping
- BioRad Tango
Assays include: Atypical RBC Antibody Screening
Blood Cell Grouping

Reference Lab Services Available

- Atypical RBC Antibody Identification
Refer to Form E124.0F LABORATORY REQUEST
- RBC Antigen Negative Units (Historical typing also available)
Refer to Form E124.2F REQUEST FOR ANTIGEN NEGATIVE UNITS

Bacterial Detection In Platelets

- Sheppard performs this testing on all apheresis platelets and pooled whole-blood derived platelets (Acrodose).
- SCBC uses the BacT/ALERT 3D system for bacterial testing.
- According to the manufacturer's package insert, all products must be leukocyte reduced before testing. Any product that contains excessive WBCs will be leukocyte reduced by filtration prior to testing.
- To ensure maximum detectability (and maximum patient safety), products are incubated at room temperature for 24 hours before testing.
- Bacterial cultures are monitored for at least 5 days.
- If bacterial growth is detected after product release, the product will be immediately recalled from the facility.
- If bacterial growth is detected after a product has been transfused, the SCBC Medical Director will be notified for further evaluation of the patient. A copy of all culture results from the reference microbiology laboratory is given to the physician for further review.
- Individuals who perform platelet bacterial detection are subject to competency assessment and proficiency testing.

Products/Components Available

ISBT Barcode Product Description

FORMS

- E124.0F LABORATORY REQUEST
- E124.2F REQUEST FOR ANTIGEN NEGATIVE UNITS
- DEVIATION REPORT FOR HOSPITALS