1. **Principle**

To detect in vivo red blood cell sensitization. Capture-R Select strips are used to detect IgG sensitized cells

1. **Scope and Related Policies**

Refer to SWIM manual, RT.004 “Direct Antiglobulin Test”

1. **Specimen**
   1. EDTA anticoagulated Red Blood Cells.
   2. For assays using Capture-R® Select, do not use hemolyzed samples of grade 1+ or greater for creating a monolayer. Fragmented red blood cell membranes will interfere with monolayer formation
2. **Material**

Equipment: Immucor Galileo Echo

Supplies: Solid waste tray

Liquid waste container

Strip holders/trays

Reagent/Sample racks

Reagents: PHIX buffered Saline

Capture-R Select Strips

DAT Control Cells

Capture-R Indicator Cells

1. **Quality Control – N/A**
2. **Procedure**
   1. Place patient sample on sample rack.
   2. Place sample rack on Echo.
   3. Click on running man.
   4. Click “DAT”. Click Next.
   5. Select sample. Click Next.
   6. Load required strips/reagents.
   7. Click “Begin Tests”.
3. **Reporting**
   1. The results shall be reviewed and verified by the Echo technologist.
   2. At this time, we are not routinely running or reporting Echo DAT.
4. **Procedural Notes**
   1. DAT control cells are required for DAT testing. The Echo will pipette one control for every DAT test. A maximum of 4 DATS can be done on one strip.
   2. Echo performs an IgG only DAT.
   3. IgG DAT has been found to be stronger on Echo Solid Phase.
5. **References**
   1. Galileo Echo Operator Manual
   2. SWIM Manual