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 NEO

Supplies: System Liquid Containers

 Liquid waste container

 Plate carriers

 Reagent/Sample racks

Reagents: PHIX buffered Saline

 Capture-R Select Strips

 CorQc Std

 DAT Control Cells

 Capture-R Indicator Cells

1. **Quality Control**

DAT control cells and CorQc Std are required for DAT testing. Positive and negative controls must pass for testing to be valid.

1. **Procedure**
	1. Place patient sample on sample rack.
	2. Place sample rack on NEO.
	3. Order DAT.
	4. Load required resources.
	5. Click start.
2. **Reporting**
	1. The results shall be reviewed and verified by the NEO technologist.
	2. At this time, we are only doing IgG DAT’s on neonate samples.
3. **Procedural Notes**
	1. NEO performs an IgG only DAT.
	2. IgG DAT has been found to be stronger on NEO Solid Phase.
4. **References**
	1. Galileo NEO Operator Manual
	2. SWIM Manual