



## REFERENCES

- 1) Shapiro HA. Practical flow cytometry. New York, NY: Alan R. Liss, 1985

## FLOW CYTOMETRY CROSSMATCH

### Inspector Instructions:

	<ul style="list-style-type: none"> <li>• Sampling of flow cytometry crossmatch policies and procedures</li> <li>• Sampling of QC policies and procedures</li> <li>• Sampling of QC records</li> <li>• Sampling of positive cutoff validation records</li> </ul>
	<ul style="list-style-type: none"> <li>• How has your laboratory established the cutoff for positive crossmatch results?</li> <li>• Are cutoffs for crossmatches reviewed with the clinical transplant service?</li> <li>• Have the cutoffs been correlated with signal strength or other measure of antibody concentration in the HLA antibody screen and detection methods used?</li> <li>• How does your laboratory ensure separation of Class I &amp; Class II antibodies?</li> </ul>

#### HSC.30056 Crossmatch

Phase II

**The flow cytometry crossmatch identifies antibodies to T and B-cells.**

*NOTE: Two or multiple color techniques must be used to identify antibodies to T cells. Antibodies to B cells and other target cells must also be identified properly.*

#### HSC.30243 IgG Antibody Identification

Phase II

**IgG antibodies are identified by appropriately labeled heavy chain-specific F(ab')<sub>2</sub> reagents.**

#### HSC.30430 Sensitivity

Phase II

**There is a record of the number of cells and volume of serum used for optimal sensitivity.**

#### HSC.30617 Negative Control - Normal Human Serum

Phase II

**Normal human serum with demonstrated lack of reactivity against any potential target cell is used as a negative control.**

**Evidence of Compliance:**

- ✓ Records of control results

#### HSC.30804 Positive Control - Diluted Human Serum

Phase II

**The positive control is an appropriately diluted human serum containing suitable HLA antibodies of appropriate immunoglobulin class known to react with lymphocytes from all donors.**

**Evidence of Compliance:**

- ✓ Records of control results

#### HSC.30991 Antibody Reagents

Phase II