Criteria for Grading

1. **B-cell line Exchange** – class I/II molecular typing
   a. Consensus is based on a minimum of 10 labs reporting and ≥ 90% agreement among labs for HLA-A, B, C, DRB1, DQA1, DQB1, and DPA1 loci. For DRB3/4/5 and DPB1 loci, consensus is based on 80% agreement.
   b. Results falling within the consensus are graded as satisfactory.
   c. For loci presumed to be homozygous, the second field will be graded as satisfactory if either a blank is reported (A*02, -) or the antigen/allele is reported twice (A*02, A*02).

2. **Serum Exchange** – class I/II antibody identification
   a. Consensus is based on a minimum of 10 labs reporting and ≥ 90% agreement among labs.
   b. Assignment of ≥ 80% of antibody specificities falling within consensus will be graded as satisfactory.

3. **KIR Exchange** – KIR genotyping
   a. Consensus is based on a minimum of 10 labs reporting and ≥ 90% of labs reporting the positive/negative assignments for individual KIR loci.
   b. Results falling within the consensus are graded as satisfactory.
   c. Loci reported as not tested (NT) will not be included in the grading analysis.

4. **MICA Exchange** – MICA genotyping
   a. Consensus is based on a minimum of 10 labs reporting and ≥ 80% agreement among labs.
   b. Results falling within the consensus are graded as satisfactory.
   c. For loci presumed to be homozygous, the second field will be graded as satisfactory if either a blank is reported (MICA*002, -) or the allele is reported twice (MICA*002, MICA*002).

5. **Single antigen, Flow and Virtual Crossmatch Exchange**
   a. Flow Crossmatch – T/B-cell Flow cytometric crossmatch
      I. Consensus is based on a minimum of 10 labs reporting and 80% agreement among labs reporting positive/negative assignments.
      II. Results falling within the consensus are graded as satisfactory. Results reported as borderline are not graded.
   b. Serum evaluation - class I/II antibody identification
      I. Consensus is based on a minimum of 10 labs reporting and 90% agreement among labs.
      II. Assignment of ≥ 80% of antibody specificities with ≥ 90% consensus will be graded as satisfactory.
   c. **Virtual predictions (educational exercise) –** virtual prediction of physical crossmatch
      I. Consensus is based on a minimum of 10 labs reporting and 80% agreement among labs reporting positive/negative assignments.
      II. Results falling within the consensus are marked as satisfactory. Results reported as borderline are not graded.
   d. DSA Assignment (educational exercise) – identification of donor specific antibodies
      I. Consensus based on a minimum of 10 labs reporting and 90% agreement among labs.
      II. Assignment of all antibody specificities with ≥ 90% consensus is required to be marked as satisfactory.