



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 $\geq 90\%$ 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 $\geq 80\%$ agreement.
 - b. Results falling within the consensus are graded as satisfactory.
 - c. Fields left blank or reported as not tested (NT) will not be graded (NG) and will not be included in the grading analysis. This applies to all loci including those presumed to be homozygous and DRB3/4/5 loci.
 - d. An overall score of $\geq 80\%$ will be graded as satisfactory.
2. **Serum Exchange** – class I/II antibody identification
 - a. Consensus is based on a minimum of 10 labs reporting and $\geq 90\%$ agreement among labs.
 - b. Assignment of $\geq 80\%$ of antibody specificities falling within consensus will be graded as satisfactory.
 - c. An overall score of $\geq 80\%$ will be graded as satisfactory.
3. **KIR Exchange** – KIR genotyping
 - a. Consensus is based on a minimum of 10 labs reporting and $\geq 90\%$ 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 $\geq 80\%$ 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 $\geq 80\%$ agreement among labs reporting positive/negative assignments.
 - II. Results falling within the consensus are graded as satisfactory. Results reported as borderline are not graded.
 - III. An overall score of $\geq 80\%$ will be graded as satisfactory.
 - b. **Serum Evaluation** - class I/II antibody identification
 - I. Consensus is based on a minimum of 10 labs reporting and $\geq 90\%$ agreement among labs.
 - II. Assignment of $\geq 80\%$ of antibody specificities falling within consensus will be graded as satisfactory.
 - III. An overall score of $\geq 80\%$ will be graded as satisfactory.
 - c. **Paper Challenge** (Educational exercise)
 - I. Virtual predictions – virtual prediction of physical crossmatch
 1. Consensus is based on a minimum of 10 labs reporting and $\geq 80\%$ agreement among labs reporting positive/negative assignments.
 2. Results falling within the consensus are marked as satisfactory. Results reported as borderline are not graded.
 - II. DSA Assignment – identification of donor specific antibodies
 1. Consensus based on a minimum of 10 labs reporting and $\geq 90\%$ agreement among labs.
 2. Assignment of all antibody specificities with $\geq 90\%$ consensus is required to be marked as satisfactory.