

HLA Discussion Questions:

1. Describe the genetics of the HLA antigens.
2. What is unique about the way HLA genes are inherited?
3. Describe the difference in structure between Class I and Class II HLA proteins.
4. On what cells are class I HLA antigens located?
5. On what cells are class II HLA antigens located?
6. What are Sequence Specific Oligonucleotides (SSO)?
7. What are Sequence Specific Primers?
8. What is sequence based typing?

9. Describe the procedure for microlymphocytotoxicity.
10. What are some disadvantages of cytotoxicity testing?
11. What are ways to increase sensitivity of cytotoxicity testing?
12. Describe the process of flow cytometry and its use in HLA testing.
13. What is the multiplex single-antigen bead immunoassay (SAB)?
14. If you are looking for an HLA match on a patient, what family member has the best chance of being a match?
15. Why does platelet transfusion become an issue for a patient that has an HLA antibody?
16. How are HLA antibodies associated with TRALI?
17. What is the benefit of HLA matching organs for transplant?