

Antibody testing

Introduction: Human leukocyte antigens (HLA) are glycoproteins that have a functional role in the presentation of peptides to T cells of the immune system. As a highly polymorphic system, HLA molecules can become the targets of antibody responses in people during pregnancy, transfusion of blood products, or organ transplantation. Generally, alloimmunization leads to the production of HLA antibodies in exposed individuals. The presence or absence of these HLA-specific antibodies has a role in determining the survival of organ transplants.

LIFECODES (Immucor) LSA™ Class I/II Beads are designed to detect IgG antibodies to HLA Class I/II glycoproteins. LSA Class I/II is composed of different Luminex Beads to which purified recombinant Class I/II HLA glycoproteins are conjugated

LIFECODES (Immucor) LifeScreen Beads are designed to detect IgG antibodies to HLA Class I and Class II antigens. LifeScreen is composed of unique Luminex100 Beads to which affinity purified Class I HLA and Class II HLA glycoproteins are conjugated.

Specimens: Recipient blood should be drawn in a SST tube (Gold top). This tube will be spun down to obtain serum.