

Blood Bank – Pathology & Laboratory Medicine

General Indications for Special Attributes for UVMC Blood Bank orders

Indications for irradiated cellular blood products.

- Premature infants and infants less than 6 months old
- Infants with congenital heart defects where thymic aplasia has not been ruled out (DiGeorge syndrome)
- Patients with congenital immunodeficiencies
- Patients with leukemia, lymphoma, multiple myeloma, or myelodysplasia (MDS)
- Patients undergoing stem cell transplantation
- Patients undergoing myeloablative chemotherapy
- Patients who have received fludarabine (Fludara), cladribine (Leustatin), or multiple doses of alemtuzamab (Campath) in the past 12 months.
- Patients receiving blood components from a blood relative
- Patients receiving HLA-matched platelets

Indications for leukoreduced cellular blood products.

- Patients who require CMV reduced risk blood (premature infants)
- Patients with recurrent febrile nonhemolytic transfusion reactions
- Patients who are stem cell or solid organ (except liver) transplant recipients or potential transplant recipients (to help prevent HLA alloimmunization)
- Patients who are likely to receive multiple and/or chronic platelet transfusions (to help prevent HLA alloimmunization)

Indications for CMV seronegative units.

- Intrauterine transfusion