

**Procedure Title: ABO/Rh testing of Hematopoietic Stem Cell Components**

**Procedure #: HSC.D491.01**

1. Principle:

Any component submitted to the hematopoietic stem cell processing laboratory will be red blood cell typed for ABO/Rh antigens from a sample taken from the component or from a peripheral blood sample collected at the time of the stem cell component collection. This testing is required as another method of confirming identity of the component to the patient.

2. Procedure:

- A. For each stem cell component, documentation of the ABO/Rh red blood cell typing for that component from the collection facility must be attained by the Hematopoietic Stem Cell Processing Laboratory.
- B. This documentation must match any labels that are affixed to the original component bag submitted to the laboratory.
- C. File the documentation of ABO/Rh type in the laboratory patient file.
- D. Labeling

Each component prepared for cryopreservation should be labeled with the ABO/Rh type provided. See the procedure HSC.E301 for details about including ABO/Rh typing results on the final label prior to cryopreservation.