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# CD45RA-depleted Donor T-lymphocytes

National Cancer Institute

## Source

National Cancer Institute. *CD45RA-depleted Donor T-lymphocytes*. NCI Thesaurus. Code C157369.

A preparation of donor lymphocytes that have been depleted of CD45RA-positive cells, that can potentially be used for immune reconstitution purposes. CD45RA depletion results in a cellular product that contains a high amount of memory T-cells (T<sub>m</sub>). Upon infusion of the allogeneic CD45RA-depleted T-lymphocytes after a hematopoietic cell transplantation (HCT), these cells provide T<sub>m</sub> recovery and are able to prevent viral infections. The depletion of the CD45RA-positive cells reduces the risk of graft-versus-host disease (GvHD) upon infusion. CD45RA is expressed on naive T-cells, whereas T<sub>m</sub> cells are CD45RA-negative. Naive T-cells have the potential to induce GvHD.