Data Collection Worksheet

Please Note: The Data Collection Worksheet (DCW) is a tool to aid integration of a PhenX protocol into a study. The PhenX DCW is not designed to be a data collection instrument. Investigators will need to decide the best way to collect data for the PhenX protocol in their study. Variables captured in the DCW, along with variable names and unique PhenX variable identifiers, are included in the PhenX Data Dictionary (DD) files.

White Cell Chimerism and Graft Failure

1. Did late graft failure occur?

Late (or secondary) graft failure is defined when the recipient meets criteria for initial engraftment but subsequently develops loss of a previously functioning graft by development of at least two lines of cytopenia. Late graft failure is more often associated with allogeneic HCT than with autologous HCT. Some possible causes for late graft failure include graft rejection related to residual host immunity, persistent or progressive disease, low donor cell yield, medication side-effect, infection or GvHD. (Applebaum et al., 2009)

If the recipient meets the criteria of graft failure, check "yes."

[ ] Yes

[ ] No

2. Date Sample Collected.

Enter the date the sample was collected for the chimerism test.

_ _ _ _ - _ _ - _ _

3. Cell Source.

Report whether the specimen taken for chimerism testing was from a marrow or peripheral blood source.

[ ] Bone marrow

[ ] Peripheral blood

4. Cell type.

Indicate the cell type tested. If the specimen was not sorted for a specific cell line, indicate "unsorted / whole." See the Chimerism Cell Types table for additional details on cell markers unique to certain cell lines.

[ ] Unsorted / whole

[ ] Red blood cells

[ ] Hematopoietic progenitor cells (CD34+ cells)

[ ] Total mononuclear cells (lymphs & monos)

[ ] T-cells (includes CD3+, CD4+, and/or CD8+)

[ ] B-cells (includes CD19+ or CD20+)

[ ] Granulocytes (includes CD33+ myeloid cells)

[ ] NK cells (CD56+)

[ ] Other

If other, specify: _____

5. Were donor cells detected?

Molecular testing methods include RFLP and VNTR / STR. If a molecular method was used, indicate whether donor cells were detected. Report "yes," if the testing identified any percentage of cells as being of donor origin.

[ ] Yes

[ ] No

6. Percent donor cells

Molecular testing methods include VNTR / STR, RFLP, and AFLP. Report the percentage of donor cells identified by molecular testing. If the test result did not detect any recipient cell population within the sensitivity of the assay, report 100% donor cells. If the test detected recipient cells, but indicated donor cells "> n%," report "n + 1" percent donor cells. If the test detected donor cells but indicated donor cells "< n%," report "n – 1" percent donor cells.

_____%