

BMT CTN 0102

Research Sample Types and Collection Schedule

Subject	Sample Type	Sample Aliquot Volume & Quantity	Prior to First Auto Transplant	Prior to Second Auto/Allo Transplant	Post-Second Auto/Allo Transplant							
					Day 56	Day 180	Day 270	Day 365	Day 540	Day 730	Day 900	Day 1095
Patient	Serum	0.5-3.5 mL 1-2 aliquots	X	X	X	X	X	X	X	X	X	X
	PBMC	PBMC from 10 mL Peripheral Blood 1-2 aliquots	X	X	X	X	X	X	X	X	X	X
Allogeneic HSC Donor	Stem Cell Product Aliquots	~ 5 1 mL aliquots		X								

Note 1: Sample aliquot processing was performed by the clinical sites. 10 mL peripheral blood was collected and PBMC isolated using Ficoll gradients, cells re-suspended in 4 mL freezing diluent containing DMSO and 2 mL of cell suspension added to 1-2 cryovials and frozen at -70 ° C. Donor stem cell product samples were often stored in vapor phase liquid nitrogen or at -80° C. Frozen sample aliquots were periodically batch-shipped to the NHLBI Repository. All Biorepository samples are being stored at -80° C.

Note 2: Various PBMC and donor stem cell product processing and freezing procedures were used at the clinical centers. Post-thaw viability may be low for these PBMC and donor stem cell product samples in this collection. Additionally, based upon experience in a previous study, the quality of RNA isolated from thawed PBMC biospecimens may vary from sample to sample; with the quality being reduced or poor in a number of cases. Therefore, considerable caution should be observed when considering study requests wanting to use PBMC samples for RNA expression studies.