

**Accelerated Cure Project**  
**MS Sample & Data Repository – First Visit and Longitudinal Sample Collection – Pediatric Kit**  
Final 11/18/08

<b>Priority</b>	<b>Type of tube/sample</b>	<b>Processing/use</b>	<b>Number of experiments enabled</b>	<b>Number of tubes</b>	<b>Volume of blood collected (ml)</b>
1	CPT for cell line transformation to provide DNA, RNA	Site stores and ships to SeraCare at ambient temperature	Indefinite number after successful transformation	1	8
2	CPT for cells for immunological experiments	Site stores and ships to SeraCare at ambient temperature		2	16
3	Serum SST (red/gray speckled or tiger top)	Site centrifuges, aliquots serum into 0.5 or 1 ml tubes, freezes, ships frozen to SeraCare	6-8 per tube collected (3-4 ml of serum per tube, 0.5 aliquot distributed per experiment)	2	12
4	EDTA (lavender top) for plasma and DNA extraction	Site refrigerates and sends to SeraCare with cold pack same day or next day	DNA -- 25 or more (1-5 ug distributed per experiment)	1	6
5	Paxgene tubes for RNA	Site refrigerates and sends to SeraCare with cold pack same day or next day	Depends on investigation being performed (each tube provides 5 to 7 ug of RNA and is aliquotted into 2 5-ml samples)	3	7.5
6	CPT or ACD for fresh cells for immunological experiments, etc.	Site stores and ships to researcher directly – NOTE this tube will not be collected as part of usual kit but instead as needed to meet approved requests for live cells	Depends on investigation being performed (but each tube will be sent to only one scientist)	TBD as part of special kits to be approved on case-by-case basis	TBD
	<b>Total</b>			9	49.5