

**Table 3. Blood Sampling Frequency and Volumes (all volumes are shown in milliliters)
Revised: 21 December 2015**

Sample Type		Age in Months																				
		Screening: Birth	3	4	5	6	7	8	9	10	11	12	15	18	21	24	24-48 mo Every 3 mo Tests	>48 mo Every 6 mo Tests	>24 mo Yearly Tests	4 Years	8 Years; 14 Years	
Cord Blood		X																				
Venous/capillary Blood (ml)		X*	X			X		X			X	X	X	X	X	X#	X#					
Additional HLA	Whole blood					0.5 [^]		1 [^]			1 [^]	1 [^]										
Autoantibodies	Serum		0.2			0.2		0.2			0.2	0.2	0.4	0.4	0.42	0.4	0.4	0.02**				
Serum cytokines/ inflammation markers	Serum		0.1			0.1		0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1					
Additional serum aliquots	Serum															0.2§	0.2					
Thyroid Autoantibodies	Serum																					0.1
Enterovirus & rotavirus PCR	Plasma		0.3			0.3		0.3			0.3	0.3	0.3	0.3	0.3	0.3	0.3					
Antibodies	Plasma		0.1			0.1		0.1			0.1	0.1	0.1	0.1	0.1	0.1	0.1					
Additional infectious agents	Plasma		0.4			0.4		0.4			0.4	0.4	0.4	0.4	0.4	0.4	0.4					
Vitamin D	Plasma		0.05			0.05		0.05			0.05				0.05			0.05				
Alpha-tocopherol, gamma-tocopherol	Plasma					0.07					0.07				0.07			0.07				
Carotenoids	Plasma					0.06					0.06				0.06			0.06				
Ascorbic acid	Plasma					0.05					0.05				0.05			0.05				
Additional plasma aliquots	Plasma															0.8§	0.8					
RBC Membrane Fatty Acid	RBC		0.5			0.5					0.5				0.5			0.5				0.5
MRNA	Whole blood		2.5			2.5		2.5			2.5	2.5	2.5	2.5	2.5	2.5	2.5					
Non-HLA genotyping	Whole blood																					5
All above samples	Serum	-	0.3			0.3		0.3			0.3	0.3	0.5	0.5	0.52	0.7	0.7	0.02				
	Plasma	-	0.85			1.03		0.85			1.03	0.8	0.8	0.8	1.04	1.6	1.6	0.23				
Repository samples	Serum	-	0.5			0.5		1.0			2.5	2.5	2.3	2.3	2.3	3.03§	3.03					
	Plasma	-	0.15			0.9		1.65			2.9	3.2	3.2	5.2	4.9	6.15§	6.15					
Local laboratory backup	Serum/Plasma	-	0.2			0.2		0.2			0.2	0.2	0.2	0.2	0.2	0.2	0.2					
	Total serum	-	1.0			1.0		1.5			3.0	3.0	3.0	3.0	3.0	3.75§	3.75					
	Total plasma	-	1.0			2.0		2.5			4.0	4.0	4.0	6.0	6.0	7.75§	7.75					
	Total whole blood	-	2.5			2.5		3.5			2.5	2.5	2.5	2.5	2.5	2.5	2.5					
	PBMC	X				X		X			X	X	X	X	X	X	X					
	Total RBC	-	1.0			2.0		4.0			4.0	4.0	4.0	4.0	4.0	4.0	4.0					
	Serum tube		2.0			2.0		3.0			6.0	6.0	6.0	6.0	6.0	7.5§	7.5					
	Plasma tube		2.0			4.0		5.0			8.0	8.0	8.0	12	12	15.5§	15.5					
	ABI tube		2.5			2.5		2.5			2.5	2.5	2.5	2.5	2.5	2.5	2.5					
	HLA confirmation					0.5 [^]		1 [^]			1 [^]	1 [^]										
	Total Blood Volume	-	6.5			8.5		10.5			16.5	16.5	16.5	20.5	20.5	25.5	25.5+					
						or 9.0 [^]		or 11.5 [^]			or 17.5 [^]	or 17.5 [^]										
Blood Glucose		At every visit once subject tests positive for any autoantibody																				
OGTT		Every six months once subject tests positive for two autoantibodies, regardless of autoantibody positivity confirmation or persistence, at any previous visit and is three years of age or older																				

HbA1c	0.25 mL sample taken at every visit from children who are positive at the 9 month visit or later for at least one autoantibody (regardless of autoantibody positivity confirmation or persistence)		
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*If cord blood is not available for HLA typing then capillary blood should be drawn.

**Additional 0.02 ml for tissue transglutaminase antibodies measurement added to the islet antibody sample sent to the Autoantibody Reference Lab.

#Children four years of age and older who have been deemed persistent autoantibody positive will remain on the three month visit schedule.

^ Only one HLA confirmation sample is needed from the earliest visit with a full volume blood draw.

§ Beginning at the 36 month visit

+ As children get older additional blood volume will be collected based upon local IRB/Ethics Board approval and the weight of the child. At no time will the blood draw volume exceed what is allowable according to the subject's body weight - 3 mL/kg per visit