

Table 1. Laboratory Analytes and Repository Plan - Health ABC

	Examination 1 N=3212 ¹	Examination 2 N=2944 ¹	Examination 3 N=2734 ¹	Examination 4 N=2850	Examination 5 N=2800	Examination 6 N=2800	Examination 7 N=2800
Stored specimens:	1 extracted DNA, microtiter plates	Cells for later transformation					
	19 aliquots serum ²	10 aliquots serum	4 serum	4 serum		10 serum	
	12 aliquots EDTA plasma ³	10 aliquots EDTA	4 citrated	7 plasma		10 plasma	
	4 aliquots citrated plasma ⁵	plasma	plasma*				
	3 aliquots urine ⁴	4 aliquots citrated plasma 1 Vitamin C aliquot 4 urine aliquots	Cells for later transformation* Platelets*				
		Platelets frozen from citrated plasma for mitochondrial DNA	*plasma & platelets only collected from those who had cells collected in Year 3 (plasma sent to LCBR for pilot studies				
Total specimens for storage in each examination:	139,087	94,238	12,101	12,000		11,400	

¹ N includes 5% blind duplicates

² Aliquots = 13 aliquots 0.5 ml, 6 aliquots 1 ml.

³ Aliquots = 8 aliquots 0.5 ml, 4 aliquots 1 ml.

⁴ Aliquots = 2 ml, 1 acidified, 2 not.

⁵ Aliquots = 0.5 ml

<u>Analytes obtained:</u>	Examination 1	Examination 2	Examination 3	Examination 4	Examination 5	Examination 6	Examination 7
	Fasting glucose, insulin, two-hour glucose (after glucola); glycated hemoglobin	Fasting glucose TSH, Free T-4*	Non-fasting, CBC, Arterialized venous pH	Fasting glucose, glycated hemoglobin		Fasting glucose, glycated hemoglobin Total cholesterol, HDL-cholesterol, triglycerides	
	Total cholesterol, HDL- and LDL-cholesterol, triglycerides, creatinine			Total cholesterol			
	Albumin, alkaline phosphatase	* in those with TSH alert					

<u>Analytes added:</u>	Examination 1	Examination 2	Examination 3	Examination 4	Examination 5	Examination 6	Examination 7
	Serum IL-6, TNF- α , CRP, leptin, PAI-1, Oxidized LDL						

<u>Analytes proposed</u>	Examination 1	Examination 2	Examination 3	Examination 4	Examination 5	Examination 6	Examination 7
	Selected polymorphisms: ACE, IL-6, TNF-alpha, PPAR-8, RxR, HSP70-2, PAI-1 Selected musculoskeletal genes						