

Sample #	Ethnicity	Age	Gender	Hematocrit %	Blood type
1	Cauc	49	M	56	O+
2	Af Am	54	M	55	A+
3	Cauc	48	M	45	O-
4	Hisp	33	M	53	A+
5	Cauc	46	M	47	A-
6	Cauc	41	M	48	A-
7	Af Am	20	M	53	A+
8	Af Am	51	M	47	B+
9	Hisp	51	M	47	O-
10	Hisp	45	M	48	A+
11	Cauc	55	F	52	O-
12	Af Am	31	F	46	O-
13	Cauc	39	F	57	O-
14	Cauc	36	F	53	O-
15	Hisp	58	F	42	B-

Table S1: Demographic Information of samples used for human trial. Abbreviations: Caucasian (Cauc), African American (Af Am), Hispanic (Hisp).

Raw material	Cost per test (\$)
Magnetic beads	0.55
Aggregation Agent	1.3
Conjugation Reagents	0.135
Total Cost	1.985

Table S2: Cost breakdown of raw materials for each test