

Supplementary Table 2. Reagents and calibrator information for the 10 laboratories

Participant laboratory	Reagent	Manufacturer	Calibrator	Calibrator lot no.	Calibrator assigned value, mg/dL
Total cholesterol					
GC Labs	CHOL	Roche ^a	C.f.a.s	175190	158
A	CHOL ₂	Roche	C.f.a.s	175190	158
B	Determiner-C-TC	Kyowa ^b	HDL.LDL-C	235ADG	202
C	Total cholesterol	Siemens ^c	Chemistry CAL	459400	183
D	Determiner-C-TC	Kyowa	Liquid cal.	153081	221
E	CHOL ₂	Roche	C.f.a.s	175190	158
F	Determiner-C-TC	Kyowa	Liquid cal.	164051	221
G	CHOL ₂	Roche	C.f.a.s	176123	160
H	Cholesterol N	Denka Seiken ^d	C.f.a.s	177953	175
I	Determiner-C-TC	Kyowa	HDL.LDL-C	235ADG	202
HDL-C					
GC Labs	HDLC ₃	Roche	C.f.a.s Lipids	172156	76.5
A	HDLC ₃	Roche	C.f.a.s Lipids	174327	75
B	Determiner-L	Kyowa	HDL.LDL-C	235ADG	74.9
HDL-C					
C	HDL-C	Siemens	HDL/LDL	308123	68
D	Determiner-L HDL-C	Kyowa	HDL.LDL-C	235ADG	74.9
E	HDLC ₃	Roche	C.f.a.s Lipids	178923	79
F	Determiner-L	Kyowa	HDL.LDL-C	234ADD	74.9
HDL-C					
G	HDLC ₃	Roche	C.f.a.s Lipids	175839	75
H	Determiner-L HDL-C	Kyowa	HDL.LDL-C	235ADG	74.9
I	Determiner-L	Kyowa	HDL.LDL-C	235ADG	74.9
HDL-C					
LDL-C					
GC Labs	LDL-C	Roche	C.f.a.s Lipids	172156	146
A	LDL-C	Roche	C.f.a.s Lipids	174327	146
B	Determiner-L	Kyowa	HDL.LDL-C	235ADG	110
LDL-C					
C	LDL-C	Siemens	HDL/LDL	308123	128
Cholesterol CAL					
D	Determiner-L	Kyowa	HDL.LDL-C	235ADG	110
LDL-C					
E	LDL-C	Roche	C.f.a.s Lipids	178923	166
F	Determiner-L	Kyowa	HDL.LDL-C	235ADD	110
LDL-C					
G	LDL-C	Roche	C.f.a.s Lipids	175839	159
H	Determiner-L	Kyowa	HDL.LDL-C	235ADG	110
LDL-C					
I	Determiner-L	Kyowa	HDL.LDL-C	235ADG	110
LDL-C					

Supplementary Table 2. Continued

Participant laboratory	Reagent	Manufacturer	Calibrator	Calibratorlot no.	Calibrator assigned value, mg/dL
Triglycerides					
GC Labs	TG	Roche	C.f.a.s	175190	127
A	TRIGL	Roche	C.f.a.s	175190	127
B	Determiner-C-TG	Kyowa	Liquid Calibrator	235ADG	77
C	TG ₂	Siemens	Chemistry CAL	459400	186
D	Determiner-C-TG	Kyowa	Liquid Calibrator	153081	151
E	TRIGL	Roche	C.f.a.s	175190	127
F	Determiner-C-TG	Kyowa	Liquid Calibrator	164051	153
G	TRIGL	Roche	C.f.a.s	176123	134
H	Determiner-C-TG	Kyowa	C.f.a.s	17795301	146
I	Determiner-C-TG	Kyowa	Liquid Calibrator	235ADG	77
Creatinine					
GC Labs	CREA	Roche	C.f.a.s	175190	4.29
A	CREJ ₂	Roche	C.f.a.s	175190	4.2
B	CREA	Roche	Liquid Calibrator	153081	4.3
C	Creatinine	Siemens	Chemistry CAL	459400	9.12
D	Creatinine FS	DiaSys ^e	Trucal U	19846	3.65
E	CREJ ₂	Roche	C.f.a.s	175190	4.21
F	CREA	Roche	Liquid calibrator	164051	4.15
G	CREJ ₂	Roche	C.f.a.s	176123	4.06
H	Creatinine FS	DiaSys	C.f.a.s	177953	3.9
I	L-CRE-L	Shinyang ^f	C.f.a.s	175190	4.04
Glucose					
GC Labs	GLU	Roche	C.f.a.s	175190	200
A	GLUC ₃	Roche	C.f.a.s	175190	200
B	Glucose	Denka Seiken	Liquid Calibrator	153081	203
C	Glucose	Siemens	Chemistry CAL	459400	244
D	Glucose	Denka Seiken	Liquid Calibrator	153081	203
E	GLUC ₃	Roche	C.f.a.s	175190	200
F	Glucose	Denka Seiken	Liquid Calibrator	164051	188
G	GLUC ₃	Roche	C.f.a.s	176123	195
H	L-type glucose 2	Wako ^g	C.f.a.s	17795301	205
I	Glucose Hexokinase FS	DiaSys	C.f.a.s	175 190-01	196

GC Labs, Green Cross Laboratories; C.f.a.s, calibrator for automated systems; TC, total cholesterol; HDL-C, high density lipoprotein cholesterol; LDL-C, low density lipoprotein cholesterol; CAL, calibrator; TG, triglyceride; TRIGL, triglyceride; CREA, creatinine; CREJ₂, creatinine Jaffe generation 2; FS, fluid stable; GLU, glucose; GLUC₃, glucose hexokinase generation 3.

^aRoche Diagnostics, Mannheim, Germany.

^bKyowa, Tokyo, Japan.

^cSiemens Healthcare Diagnostics, Marburg, Germany.

^dDenka Seiken, Tokyo, Japan.

^eDiaSys, Waterbury, CT, USA.

^fShinyang, Seoul, Korea.

^gWako, Richmond, VA, USA.