

Supplemental Data Table S1. Immunoassays used in this study

Manufacturer	Principle	Instruction for use approval or modification date	Measurement range (nmol/L)	Limit of detection (nmol/L)	Cross reactivity with T3 (%)	Cross reactivity with rT3 (%)	Reference range (nmol/L)	Manufacturer declared precision (%)	Calibrator lot	Reagent lot
Abbott	CMIA	2014/12/22	12.9–309.6	NA	<3.2	NA	62.82–151.19	≤7.3	7K66-01	55935UI00
Autobio	CMIA	2014/6/18	6.45–30.00	NA	<2.3	<2.3	58.05–154.8	≤15	2015101503	20151121
Beckman-Coulter	CLIA	2012/9/29	6.45–387	6.45	1.24	19.95	78.56–157.77	≤10	33805	527911
Mindray	CMIA	2013/4/12	6.45–387	≤6.45	0.94	6.07	64.5–146.93	≤10	20150901	150701
Roche	ECLIA	2014/9/25	5.42–320.69	5.42	<1.53	NA	65.79–181.89	≤6.9	18150202	188364
Siemens	CLIA	2015/1/26	3.87–387	3.87	1.20	2.70	58.05–140.61	≤5.5	53803A86	4003169

Abbreviations: T3, 3,3',5-triiodo-L-thyronine; rT3, reverse T3; CMIA, chemiluminescence microparticle immunoassay; CLIA, chemiluminescence immunoassay; ECLIA, electrochemiluminescence immunoassay.