

Table S1. Assay methodology

Analyte	Name (Manufacturer, location)	FAS or LLD	Intra-assayCV ^a	Inter-assayCV ^a
Tg ^b				
<i>PGH</i>	B·R·A·H·M·S Tg-pluS RIA, Thermo Scientific Biomarkers, Hennigsdorf, Germany	0.3 µg/L ^c	1.0%–13.9%	1.1%–21.0%
<i>CHT</i>	B·R·A·H·M·S TgS RIA, Thermo Scientific Biomarkers, Hennigsdorf, Germany	0.1 µg/L ^c	0.9%–2.9%	2.2%–3.6%
TgAb ^c				
<i>PGH</i>	B·R·A·H·M·S Tn RIA, Thermo Scientific Biomarkers, Hennigsdorf, Germany	0.1 IU/mL	2.0%–7.5%	3.1%–5.5%
<i>CHT</i>	Dia Source TG AB, RIA R-CI-100, Louvain-la-Neuve – Belgium	6 IU/mL	1.6%–4.9%	2.1%–6.3%
Anti-TPO				
<i>PGH</i>	B·R·A·H·M·S anti-TPOn Thermo Scientific Biomarkers, Hennigsdorf, Germany	5.0 IU/mL	1.9%–4.8%	3.7%–9.1%
<i>CHT</i>	Dia Source TPO AB, RIA R-CO-100, Louvain-la-Neuve – Belgium	1.3 IU/mL	2.7%–5.5%	4.2%–9.5%

PGH, Papageorgiou Hospital, *CHT*, Cancer Hospital Theagenio, Anti-TPO, anti-thyroperoxidase autoantibodies; CV, coefficient of variation; FAS, functional assay sensitivity; LLD, lower limit of detection; Tg, thyroglobulin; TgAb, anti-thyroglobulin autoantibodies. ^a CVs depended on analyte level or antibody titre. ^b Tg assays were calibrated to the Certified Reference Material-457 standard. ^c The interfering cut-off of TgAb was 20IU/ml

Table S2. Reference values for TgAb ^a

TgAb value	Interpretation
>30 IU/ml	Negative for Thyroglobulin autoantibodies
30–70 IU/ml	Limit
>70 IU/ml	Positive for Thyroglobulin autoantibodies

^a Values reported above are indicated by the manufacturer who recommends that each laboratory determines its own reference interval.