

THYROID HORMONE REFERENCE CHART

Standard Adult Clinical Ranges

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HORMONE / MARKER	STANDARD RANGE	OPTIMAL RANGE	UNIT
Primary Markers			
TSH (Thyroid Stimulating Hormone)	0.45 - 4.50	1.00 - 2.50	mIU/L
Free T4 (Thyroxine)	0.82 - 1.77	1.10 - 1.50	ng/dL
Free T3 (Triiodothyronine)	2.0 - 4.4	3.2 - 4.0	pg/mL
Secondary & Antibody Markers			
Reverse T3 (RT3)	9.2 - 24.1	10.0 - 15.0	ng/dL
TPO Ab (Thyroid Peroxidase)	0 - 34	< 9	IU/mL
TG Ab (Thyroglobulin Antibody)	0 - 0.9	0	IU/mL

Clinical Interpretations

- Hypothyroidism:** High TSH, Low Free T4, Low Free T3.
- Hyperthyroidism:** Low TSH, High Free T4, High Free T3.
- Hashimoto's:** Elevated TPO or TG antibodies, regardless of TSH levels.

- **Conversion Issues:** Normal T4 with Low Free T3 and/or High Reverse T3.

This template is for educational reference only. Laboratory reference ranges may vary by facility, age, and pregnancy status. Clinical decisions should only be made by a licensed healthcare professional.