

T4, FREE; FT4, SERUM

ng/dL

(CLIA)

Link with age for all males and females ( $\leq 20$  years) except 5-14 days for which format exists at end of file.

REFERENCE GROUP	REFERENCE RANGE IN ng/dL
1-4 days	2.20-5.30
5-14 days	Not Established
2 weeks – 20 years	0.80-2.00

Link with age for Males  $> 20$  years

REFERENCE GROUP	REFERENCE RANGE IN ng/dL
Males $> 20$ years	0.89 – 1.76

Below mentioned Table to appear only for female patients ( $> 20$  years – 55 years) No value in reference range column

Interpretation

REFERENCE GROUP	REFERENCE RANGE in ng/dL
Adult Females ( $>20$ years)	0.89 – 1.76
Pregnancy	
1 <sup>st</sup> Trimester	0.70 -2.00
2 <sup>nd</sup> Trimester	0.50 -1.60
3 <sup>rd</sup> Trimester	0.50 -1.60

Clinical Use

- Initial test of thyroid function in patients with suspected thyroid dysfunction

- Assess thyroid status in patients with abnormal total T4 concentrations
- Distinguish Euthyroid hyperthyroxinemias from hypothyroidism

Increased Levels: Thyroid hormone resistance, Hyperthyroidism

Decreased Levels: Primary hypothyroidism, Secondary hypothyroidism

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