

Dihydrotestosterone (DHT), Serum

Method:	Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS)
Description:	DHT in human serum are extracted by Solid Phase Extraction (SPE), eluted by High Performance of Liquid Chromatography (HPLC), and determined by Mass Spectrometry (MS) in Electrospray Ionization (ESI+) source. Deuterated stable isotope dilution is utilized as an internal standard for the calibration of assay.

Collection and Performance Characteristics

Tube type:	Preferred: SST Alternate:
Minimum Volume:	0.5 mL
Lowest Reportable Value:	1 ng/dL
Dynamic Range:	1-100 ng/dL
Precision:	Intra-assay variation is <7% RSD Inter-assay variation is <9% RSD
Reference Range:	<p>Males</p> <p>Cord blood: ≤ 100 ng/dL</p> <p>≤ 6 months: ≤ 120 ng/dL</p> <p>>19 years: 11.2-95.5 ng/dL</p> <p>Females</p> <p>Cord blood: ≤ 5 ng/dL</p> <p>≤ 6 months: ≤ 1,20 ng/dL</p> <p>20-55 years: ≤ 30 ng/dL</p> <p>>55 years: ≤ 12.8 ng/dL</p>