

## Estradiol in Serum and Plasma

<b>Method:</b>	Liquid Chromatography-Tandem Mass Spectrometry (LC/MS/MS)
<b>Description:</b>	<p>Estradiol in human serum is extracted by Solid Phase Extraction (SPE) and eluted by High Performance of Liquid Chromatography (HPLC). The determination is done by</p> <p>Mass Spectrometry (MS) in Electrospray Ionization (ESI) source Deuterated stable isotope is utilized as for the calibration of assay.</p>

### Collection and Performance Characteristics

<b>Tube type:</b>	Preferred: SST Alternate: Plasma
<b>Minimum Volume:</b>	0.5 mL
<b>Special Processing Considerations</b>	
<b>Lower limit of Quantization (LOQ):</b>	1 pg/mL
<b>Linear Range:</b>	1-500 pg/mL
<b>Precision:</b>	Intra-assay variation is <5% Inter-assay variation is <12%
<b>Reference Range:</b>	<p>Male: 10 - 50 pg/mL</p> <p>Female (premenopausal): 30 - 400 pg/mL</p> <p>Female (postmenopausal): 0 - 30 pg/mL</p>