



A Member of Cayuga Health System

## Laboratory Technical Bulletin

Date: 3/31/2023


Effective Date: 4/4/2023

Title: Sensitive Estradiol to replace Estradiol Testing

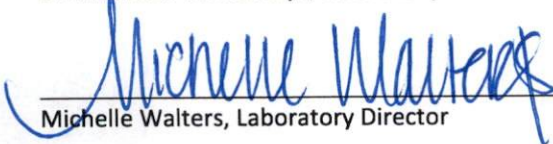
Test: Sensitive Estradiol (SNSE2)

**Explanation of change:** A new, more sensitive generation of Estradiol testing will be available at Cayuga Medical Center Laboratory that expands the lower limit of detection (LoD) from 40 pg/mL to 15 pg/mL. This allows for better monitoring of most patient populations without the need for confirmatory testing.

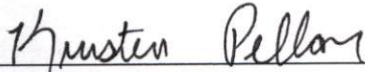
	Old	New
<i>Perform Site</i>	CMC	CMC
<i>Method</i>	Chemiluminescence	Chemiluminescence
<i>Test Code</i>	E2	SNSE2
<i>Reference Range(s) (pg/mL)</i>	<u>Post-menopausal Females:</u> < 20  <u>Ovulating Females (relative to LH peak):</u> Follicular Phase (-12 days) 10 – 50 (-4 days) 60 – 200 Mid-cycle (-1 days) 120 – 375 Luteal Phase (+2 days) 50 – 155 (+6 days) 60 - 260 (+12 days) 15 – 115	<u>Male:</u> Pre-puberty < 15.0 Puberty ≤ 34.8 Adult ≤ 31.5  <u>Non-pregnant Female:</u> Early Follicular 22.4 - 115.0 Mid Follicular 25.0 – 115.0 Ovulatory Peak 32.1 – 517.0 Mid Luteal 36.5 – 246.0 Pre-puberty ≤ 16.0 Puberty ≤ 196.0 Post Menopausal ≤ 25.1 <u>Pediatric Male &amp; Female:</u> ≤ 38.2
<i>Specimen</i>	SST or Red Top	SST or Red Top
<i>Turnaround time</i>	Daily, Continuous	Daily, Continuous

 Date 03/31/23

Dr. Elizabeth Plocharczyk, Laboratory Medical Director

 Date 3/31/23

Michelle Walters, Laboratory Director

 Date 3/31/2023

Kristen Pellor, Core Lab Manager