**Preeclampsia Screen℠ | T1**

**Turn around time:** 2-5 business days from sample receipt at the laboratory.

**CPT Codes:** 1 x 83520, 1 x 84163, 1 x 82105

**Test Description:**
Preeclampsia | T1 includes measuring first trimester maternal serum Placental Growth factor (PIGF), Pregnancy associated plasma protein A (PAPP-A) and alpha-fetoprotein (AFP) and optionally mean arterial pressure (MAP) and uterine artery Doppler pulsitivity index (UtAD-PI). These measurements are compared to median values for a given gestational age and an MoM is calculated for each. The results are entered into a multivariate algorithm that includes nulliparity, previous or family history of PE and chronic hypertension to report a risk assessment for early onset preeclampsia.

**Indications:** General population screening of all pregnant women.

**Gestational Age:** Draw blood specimen between 10 weeks 0 days and 13 weeks 6 days gestation. To include Uterine Artery Doppler-Pi in the result, the UtAD-PI must be performed when CRL is between 45 and 84 mm. Mean arterial pressure (MAP) must be assessed between 11 weeks 1 day and 13 weeks 6 days.

**Testing requirements:**

**Biochemical:**

Container/Tube: Red-top Vacutainer® tube or Serum Separator Tube (Red/Grey or Gold top SST).
Specimen Volume: 0.5 ml of spun serum or 5 ml of unspun whole blood.
Specimen Stability: Serum samples are stable at ambient temperature for 6 days.

**Biophysical:**

Uterine artery doppler must be obtained from a sonographer who is credentialed by, and participating in, an Uterine artery Doppler quality review program.

Mean arterial pressure must be obtained in accordance with guidelines of the Fetal Medicine Foundation.

**Shipping Information:**

Ship samples to the following address:

Eurofins NTD, LLC.
80 Ruland Road, Suite 1
Melville, NY 11747

**Questions?** For more information about NTD prenatal screening, ordering test supplies, or billing support, please call us at 1-888-NTD-LABS (683-5227) or email us ntdclientservices@eurofins.com