

Maternal Fetal ScreenSM | T1

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

CPT Codes: 1 x 82105, 1 x 84704, 1 x 84163 1 x 83520, 1 X 86336

Test Description: The Maternal Fetal Screen | T1 (MFST1) is first-trimester screen for Down syndrome and trisomy 18/13 with an option to add screening for early onset preeclampsia. The test includes free Beta HCG (fbhCG), pregnancy- associated plasma protein A (PAPP-A), alfafetoprotein (AFP), Placental Growth Factor (PIGF), Inhibin A, nuchal translucency measurement and optionally nasal bone assessment and Uterine Artery Doppler Pulsativity Index (UtAD-PI). Analyte values are compared to median values at a given gestational age and multiple of the median (MoM) results obtained. The MoM results are used in a multivariate algorithm that includes the mother's age to report a risk assessment for Down syndrome, trisomy 18/13, and early-onset preeclampsia (optional).

Indications: General population screening of all pregnant women.

Gestation Age: Draw blood specimen between 10 weeks 0 days and 13 weeks 6 days gestation. Nuchal translucency, nasal bone, UtAD-PI, and mean arterial pressure (MAP) should be performed between 11 weeks 1 day and 13 weeks 6 days (CRL: 45-84mm).

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:

Nuchal translucency measurements must be obtained from a sonographer who is credentialed by, and participating in, an NT/NB quality review program such as NTQR or FMF.

If early onset preeclampsia screening is ordered the following is also required:

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