

# First-Trimester Serum Markers

MARKERS	VALUES		
<b>PAPP-A</b>	0.5 to 2.5 MoM	<b>&lt; 0.4 MoM:</b> increased risk of obstetrical complications (preeclampsia, IUGR, prematurity)*	T21: LOW T18: LOW
<b><math>\beta</math>hCG</b>	0.5 to 2.5 MoM	<b>&lt; 0.5 MoM:</b> increased risk of obstetrical complications (preeclampsia, IUGR, prematurity)* <b>Increase:</b> can be associated with triploidy in the fetus or with maternal kidney failure	T21: HIGH T18: LOW
<b>PIGF</b>	0.5 to 2.5 MoM	<b>&lt; 0.5 MoM:</b> increased risk of obstetrical complications (preeclampsia, IUGR, prematurity)*	T21: LOW T18: LOW
<b>AFP</b>	0.5 to 2.5 MoM	<b>Increase:</b> can be associated with a neural tube defect in the 2nd trimester only	T21: LOW T18: LOW
<b>Nuchal Translucency</b>	< 3 mm	<b>&gt; 3 mm:</b> fetal echocardiography needed <b>&gt; 3.5 mm:</b> genetic testing recommended	T21: LOW T18: LOW

\* Results to be correlated with the clinical case