Sonora Quest Laboratories offers clarity in choosing from a broad portfolio of Maternal Serum Screening tests

Sonora Quest Laboratories supports your goals for Maternal Serum Screening (MSS)

- Maximize detection of fetal chromosomal abnormalities
- Minimize false-positive test results

...and offers a full range of test options

Weeks of Gestation

9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

1st Trimester Screen, h–hCG*
Sequential Integrated Screen Part 1
Integrated Screen Part 1
Serum Integrated Screen Part 1
CVS†
NT ‡
Sequential Integrated Screen Part 2
Integrated Screen Part 2
Serum Integrated Screen Part 2
Penta Screen
Quad Screen
Amniocentesis

*Hyperglycosylated human chorionic gonadotropin (h–hCG), formerly known as invasive trophoblast antigen (ITA)
†Chorionic villus sampling (CVS)
‡Nuchal translucency (NT) is not a laboratory test and is not offered by Sonora Quest Laboratories. Measurements of NT performed locally by credentialed ultrasonographers are considered in conjunction with serum screens to calculate risk of fetal chromosomal abnormalities. NT measurement is typically performed from 10 4/7 - 13 6/7 weeks. For the above tests requiring an NT measurement, serum may be obtained prior to 10 4/7 weeks and the results calculated after NT is submitted.

Integrated Test Technology under license from Intema Ltd, UK.
## A Full Range of Maternal Serum Screening Tests

<table>
<thead>
<tr>
<th></th>
<th>First Trimester</th>
<th>First + Second Trimester</th>
<th>Second Trimester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1st Trimester Screen, h-hCG</td>
<td>Sequential Integrated Screen</td>
<td>Integrated Screen</td>
</tr>
<tr>
<td>Down Syndrome Detection Rate</td>
<td>84%&lt;sup&gt;2&lt;/sup&gt;</td>
<td>92%&lt;sup&gt;3&lt;/sup&gt;</td>
<td>92%&lt;sup&gt;4&lt;/sup&gt;</td>
</tr>
<tr>
<td>False-Positive Rate</td>
<td>5%</td>
<td>4%</td>
<td>3%</td>
</tr>
<tr>
<td>CVS an Option?</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>NT Required?</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>CPT Codes</td>
<td>82397; 84163</td>
<td>Part 1: 84702; 84163</td>
<td>Part 2: 82105; 82677; 86336</td>
</tr>
</tbody>
</table>

hCG = human chorionic gonadotropin; PAPP-A = pregnancy-associated plasma protein; AFP = alpha-fetoprotein; uE3 = unconjugated estriol; DIA = dimeric inhibin A

* A second trimester specimen can be drawn as early as week 14, however Open Neural Tube Defect (ONTD) risk may not be reported for specimens drawn prior to 15 weeks.

### References


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