

## Determining an Amniotic Fluid Index

Use the Amniotic Fluid Index (AFI) measurement method to calculate an index for amniotic fluid volume. This method requires a measurement made in one to four quadrants, using a separate image for each quadrant.



*Example of measurement markers (horizontal lines) anchored using the **AFI** selection. The vertical line facilitates visualization.*

If you acquire and freeze images for each quadrant before activating the measurement function, then you can choose to measure the quadrants either sequentially or non-sequentially. The sequential workflow automatically displays a measurement marker (horizontal line) for the next quadrant in the sequence when you complete each quadrant measurement. The nonsequential workflow displays a marker after you select a quadrant.

The system automatically updates the calculated amniotic fluid index after each quadrant measurement.

To sequentially measure AFI quadrants (Q1 through Q4):	To measure selected AFI quadrants, complete the following steps for each quadrant:
<ol style="list-style-type: none"> <li>1. During an OB exam, acquire and freeze four 2D-mode images and then activate the measurement function. <b>Note:</b> Use the system presets to specify the method for activating the measurement function.</li> <li>2. Roll the trackball to select <b>AFI</b> on the left of the screen and then press the <b>SET</b> key. The system displays the first measurement marker (horizontal line) for the first quadrant (<b>Q1</b>).</li> <li>3. For each quadrant measurement:               <ol style="list-style-type: none"> <li>a. Roll the trackball to position the first measurement marker and then press the <b>SET</b> key. The system anchors the marker and displays the second marker. The second marker contains a vertical line (to facilitate visualization) in addition to the second horizontal line.</li> <li>b. Roll the trackball to position the second marker and then press the <b>SET</b> key. The system anchors the marker, displays the vertical distance value in the measured results, and updates the calculated amniotic fluid index. The system also displays a marker (horizontal line) for the next quadrant in the sequence.</li> </ol> </li> </ol>	<ol style="list-style-type: none"> <li>1. During an OB exam, acquire and freeze one or more 2D-mode images and then activate the measurement function. <b>Note:</b> Use the system presets to specify the method for activating the measurement function.</li> <li>2. For each image on the screen:               <ol style="list-style-type: none"> <li>a. Roll the trackball to select the required AFI quadrant (such as <b>Q2</b>) on the left of the screen and then press the <b>SET</b> key. The system displays the first measurement marker (horizontal line) for the selected quadrant.</li> <li>b. Roll the trackball to position the first measurement marker and then press the <b>SET</b> key. The system anchors the marker and displays the second marker.</li> <li>c. Roll the trackball to position the second marker and then press the <b>SET</b> key. The system anchors the marker, displays the vertical distance value in the measured results, and updates the calculated amniotic fluid index.</li> </ol> </li> </ol>