

# Fetal Ultrasound Biometrics Phantom



Model 068

*Instruct and develop ultrasound examination techniques*

The CIRS Model 068 Fetal Ultrasound Biometrics Phantom facilitates teaching and demonstration of fetal ultrasound examination techniques in a non-stressful situation. A tissue equivalent full fetal model is suspended in a non-echoic, amniotic fluid like environment.

#### **Model 068 Includes:**

- Complete external fetal anatomy and surrounding non-echoic medium
- Asymmetric head with upper portion of the skull
- Right and left brain lobes
- Lateral and third ventricles
- Right and left femoral shafts with distal epiphysis

Trans abdominal measurements of biparietal diameter (BPD), anterior/posterior diameter (APD), femur length, abdominal circumference and crown to rump length can be taken. Because the phantom is housed in a rotatable cylinder, a variety of fetal / transducer orientations can be achieved for more challenging examinations. All anatomies are based on published biometric data at normal fetal growth rates for a gestational age of 21 weeks. This enables assessment of composite measurement techniques and biometric analysis programs common to most ultrasound scanners. The phantom can also be used for 3D reconstructions, surface rendering and a variety of other applications.



Reference markers ensure repeatable measurements of AC and BPD



Longitudinal measurements of femur length



Cross section measuring BPD