

# Near Field Ultrasound Phantom



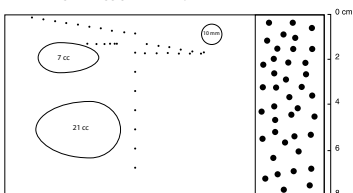
Model 050

*QA standard for high frequency probes*

The Near Field Ultrasound Phantom provides a means of assessment for uniformity, dead zone, depth of penetration, beam profile/focal zone/lateral response width, vertical distance measurement accuracy, axial resolution, lateral resolution, anechoic masses, high contrast masses, volumetric measurement accuracy, and focal lesion detectability.

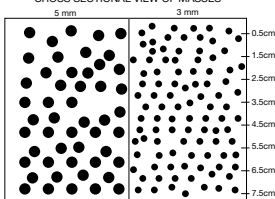
The Model 050 has a series of wire targets that appear as bright dots or lines on the ultrasound image. The targets are made from stainless steel with a diameter of 0.1 mm. There are also two known volumes, a 10 mm anechoic/+15 dB mass and anechoic focal lesions embedded within the phantom. The “masses” are made from Zerdine® with a different contrast and attenuation relative to the background material.

STAINLESS STEEL WIRE 0.1 mm DIA.



FRONT VIEW

CROSS SECTIONAL VIEW OF MASSES



END VIEW