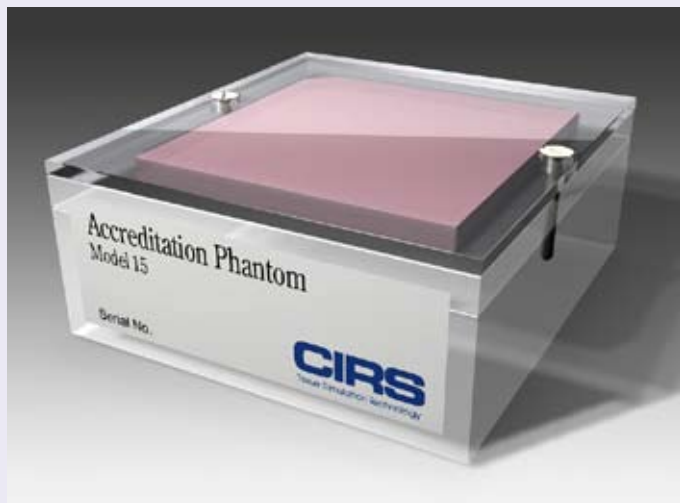


Mammographic Accreditation Phantom



Model 015

Required for MQSA program

The Mammographic Accreditation Phantom tests the performance of a mammographic system by a quantitative evaluation of the system's ability to image small structures similar to those found clinically. Objects within the phantom simulate calcifications, fibrous calcifications in ducts, and tumor masses. The Phantom determines if mammographic systems can detect small structures that are important in the early detection of breast cancer.

The 4.4 cm thick phantom is made of a 7 mm wax block insert containing 16 sets of test objects, a 3.4 cm (approx. 1-3/8") thick acrylic base,

and a 3 mm (1/8") thick cover. All of this together approximates a 4.2 cm compressed breast of average glandular /adipose composition. Included in the wax insert are aluminum oxide (Al_2O_3) specks to simulate micro-calcifications. Six different size nylon fibers simulate fibrous structures and five different size lens shaped masses simulate tumors.

Phantom includes a 4 mm acrylic step wedge, operating instructions, faxitron X-ray image and magnifying lens.

