

Mammography Artifact Evaluation Phantom

Model 014C & 014E



QUICKLY DETECT ARTIFACTS

The American College of Radiology and MQSA recommend a uniform 4 cm thick "high grade" cassette sized phantom for evaluation of mammography artifacts as it is often difficult to identify artifacts based on clinical or standard phantom images.

CIRS has designed two phantoms to meet these recommendations. Model 014C consists of 2 slabs measuring 18 x 24 x 2 cm thick, and Model 014E consists of 2 slabs measuring 24 x 30 x 2 cm thick.

Both are made from tissue equivalent BR-12 with a thickness tolerance of .25 mm and all phantoms are image tested and carefully screened for homogeneity and impurities. Other glandular equivalencies are available upon request.

Features

- Tissue Equivalent Material
- Free of impurities
- Comply with ACR & MQSA recommendations

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Tissue Simulation & Phantom Technology

MAMMOGRAPHY ARTIFACT EVALUATION PHANTOM

MODEL	STANDARD GLANDULARITY	QTY	LENGTH (CM)	WIDTH (CM)	THICKNESS (CM)
014C	BR12	2	18	24	2
014E	BR12	2	24	30	2

Mammography slabs are available individually in various glandularities, sizes, and thicknesses. Refer to Model numbers beginning with "ST" for pricing. Standard glandularities include 100% gland, 30/70, BR12, 50/50, 70/30 and 100% adipose. Standard thicknesses include 0.1, 0.2, 0.5, 1, 2, 3, 4, 5, 6, and 7 cm. Other glandularities, sizes and thicknesses are available. Contact CIRS Customer service for a quote.

References:

White, D.R., R.J. Martin, and R. Darlison, Epoxy resin based tissue substitutes, British Journal of Radiology, 5, 814-821, 1977.

Materials are formulated to maximize simulation properties at 20 keV for the mammographic range, 80 keV for the diagnostic range and 0.5 MeV and above for the therapeutic range.

