

FAXITRON[®]

DIGITAL RADIOGRAPHY SYSTEM



Faxitron Model DX-50

- Small, table top cabinet.
- Superior image quality.
- Ideal for small specimens.
- Electronic control of brightness, contrast and magnification.
- Complete radiation safety with shielded, interlocked enclosure.
- Simple to operate and maintain

APPLICATION

The Faxitron[®] Model DX-50[™] is a direct digital, cabinet X-ray imaging system when combined with a desktop computer and high-resolution monitor. The system is the result of five years of digital camera experience and special X-ray tube design.

The DX-50[™] is ideal for digital imaging of biological specimens and small animals in a laboratory environment. Images can be obtained rapidly and displayed with conventional image processing using the wide dynamic range of a computer for selective enhancement. The small cabinet is electrically interlocked and radiation shielded to provide a safe, convenient environment. The system is simple to operate and can be controlled manually or controlled through the computer.

SPECIFICATIONS

- Energy Range 10-35 kV
- Tube Current 0.1 mA
- Active image area: 50x50 mm. std
50 x 100 mm. optional
- Resolution: 10 lp/mm
- Typical image acquisition time: 6 seconds
- Focal Spot Size: 50 um nominal
- Window Filtration: 0.03" Beryllium
- X-Ray Coverage: 5.75" dia. (14.6 cm.)
- Power 100 - 240 VAC, 50/60 Hz 300 VA
- Size 14.25" w x 13.5" d x 15.5" h
(36.2 cm. w x 34.3 cm. d x 39.4 cm. h)
- Weight 55 lbs. (24.9 kg)

SAFETY

The DX-50 has a fully shielded cabinet and redundant safety interlocks. Certified to comply with standards set by U.S. Food and Drug Administration Center for Devices and Radiological Health, (21 CFR-1020.40). Classified by Underwriters Laboratories Inc. in the U.S. and Canada with respect to electrical fire, shock, and mechanical hazards. Certified to comply with European Low Voltage and EMC Directives.





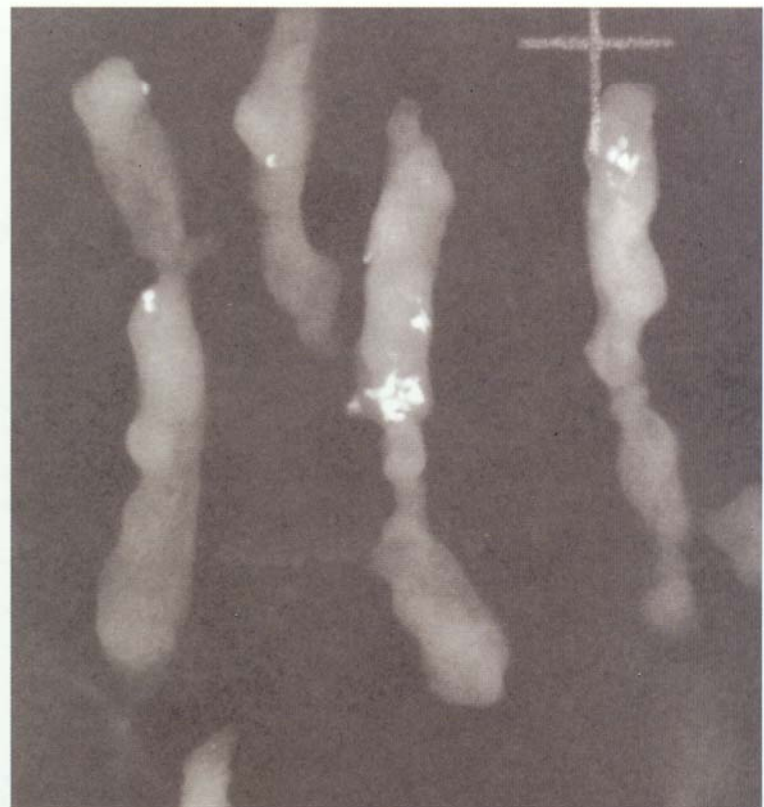
LOADING SPECIMEN



INITIATING EXPOSURE



MOUSE LEG



LARGE CORE NEEDLE BIOPSY

Specifications are subject to change without notice

faxitron x-ray
CORPORATION

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