

# XPERT 80-L™

## Large Specimen Radiography System For Science and Research



The XPERT 80-L™ is a self-contained, shielded cabinet X-ray system designed to meet the requirements of various large area X-ray imaging applications in Pathology and Laboratory Research. These applications include:

**Pathology**  
**Botany**

**Drug Discovery**  
**Marine Biology**

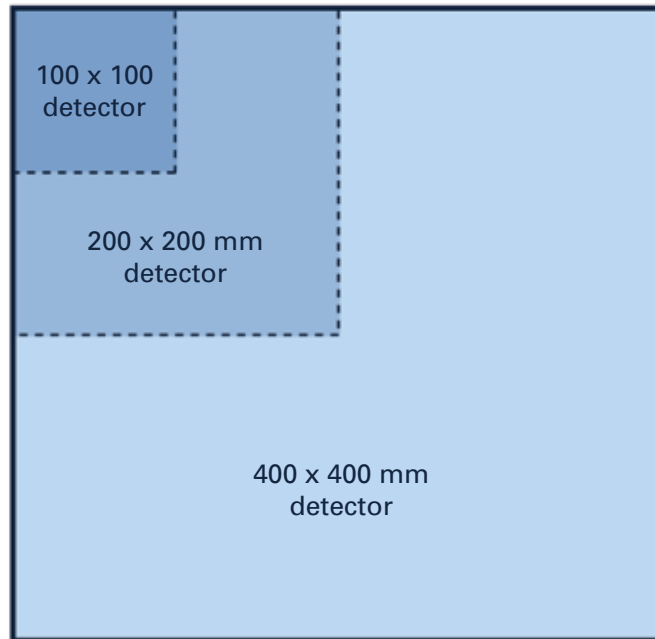
**Large Animal Research**  
**Forestry**

The ability to accommodate film sizes up to 14" x 17" and digital detectors up to 16" x 16" facilitates the imaging of entire animals or large tissue samples in a single image. One can image primates, goats or up to sixteen mice in a single image. Similarly, large tissue specimens can be imaged in a single frame, in Pathology. This image can then provide multiple films worth of information, while saving precious time during the procedure. The accompanying image analysis software also provides a plethora of tools to enhance the image without exposing the specimen to unnecessary radiation. Images can be saved in DICOM, TIFF, or JPEG formats.

With its small focal spot X-ray source and adjustable sample positioning capability, the XPERT 80-L™ provides variable magnification up to 5X for film based imaging, for increased visibility and sharpness of detail.

The XPERT 80-L™ is easy and simple to operate. Its compact size, low weight, and standard AC power requirement allow it to be conveniently located and operated in any laboratory or field setting. With its complete shielding and other required radiation safety features, the XPERT 80-L™ is in full compliance with US Federal and State requirements for radiation safety.

### ***Digital Detector Sizes:***



### ***Specifications:***

- Energy Range: Up to 120 kV
- Tube Current: 1.0 mA
- Timer: 1 to 999 seconds
- Window Filtration: 0.005" beryllium
- X-ray Coverage: 40 degrees
- Power: 90-250 VAC, 50/60 Hz, 400VA
- Size: 30" w x 32" d x 40" h
- Weight: 300 lbs.

### ***DIGIVIEW™ Digital Imaging Option:***

- 50 x 50, 50 x 100, 100 x 100, 200 x 200 and 400 x 400 mm Field of View
- Up to 10 lp/mm Resolution
- Up to 65,536 Grayscale Contrast Resolution
- DICOM compliant Image Processing Software
- Dedicated Workstation with 19" flat panel monitor

Specifications are subject to change without notice.

### ***Financing and Trade-In Options:***

Contact us to obtain information about our lease to own and rental options. Also ask us about trading in or upgrading your existing units to digital capability.