mylabglobal.com

Mylab®
Discovery solutions

MyBeam®

Medical Handheld X-ray

About Mylab

Mylab began with an idea to simplify the complex nature of disease detection, making it more affordable and bringing cutting-edge science and technology to everyday detection. In just a few years, that idea has evolved into best-in-class products and services that empower the work of many hospitals and laboratories globally.

Mylab is a Dynamic Biotechnology company, that develops and commercializes diagnostic solutions, to empower labs to obtain reliable, timely, and actionable answers. We offer a wide range of solutions applicable in diverse markets including clinical diagnostics, pharmaceutical drug discovery, biomedical research, agrigenomics and animal and food safety. We accelerate reliable answers while simplifying complexity and deliver certainty with a seamless experience.

Quality Over Quantity

Superior Services

Precise Solutions

MyBeam® Features

Portable

Easy to carry, as it is light weight-2.9kg only.

Minimized Radiation

It only uses 3mA current.

AI Solution

Software assistance in diagnosis of diseases.

Wireless

Easy to connect

Software Assistance

Optional AI software assists diagnosis of diseases using simple X ray images and clinical information. This system is based on hybrid artificial neutral network technology or lesion detection and disease classification. It also provides AI analyzed probability of having a given disease. It assists physicians to diagnose diseases based on the image.

Calculate Bone Age

The software can help calculate the bone age and detects bone fracture. It has a capability to predict precocious puberty, the growth rate and adult height by analyzing the bone age in children. The bone age Assessment Solution supports precocious puberty or growth disorder diagnosis by measuring the bone age, margin of error being 8 months.

MyBeam® X-Ray System

MyBeam® X-Ray is the best handheld X-Ray System designed to provide utmost user-convenience and safety while offering high-quality images.

- MyBeam X-Ray Generator
- Detector DXD 14"x17"
- Laptop
- Additional acessories
  - Detector Stand
  - X-Ray Generator Stand

Specifications

MyBeam® X-Ray Generator

Input Power	**Battery Charger:** AC 100~240V, 50~60Hz,1A
Selectable exposure time	0.01 sec - 2.0 sec
Output Power	120W to 210W
Power Supply	24V (Battery)
Adiustable Function	KV & Exposure Time
Tube kV/mA	40kV - 70kV/3mA
Focal Spot Size	0.4 mm
Weight	2.9 kg

Digital Detector DXD 14"x17"

External Dimension/Weight	384mm x 460mm x 15.6mm / 3.0 kg, 6.6lb
Image Area	X-ray Sensitive Pixel : 2560 x 3072 pixels X-ray Sensitive Area : 358.40 x 430.08 mm
MTF DQE	MTF @ 0.5lp/mm : (Typ.) 84% DQE @ 0.11p/mm : (Typ.) 78%
TFT Type	Oxide
A/D Conversion /Data Output	16bit / 16bit
Scintillator	CsI
Pixel Size	140 µm
Cycle Time / Full Image	4.5 sec. (Wired) / 5 sec. (Wireless)

Mylab Discovery solutions

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