



NEWTON 7.0 VIVO

New Edge Generation
In Vivo Imaging

Newton 7.0 - BT400

Bioluminescence detection

Performance

Bioluminescence detection : femtogram level

Camera & Optics

Scientific grade CCD camera
Grade 0, zero defect
400-900nm / 4.8 O.D.
Image resolution: 10 megapixels
Native resolution: 2200x2200

Motorized V.070 lens: f:0.70
Minimum: 4x4cm
Maximum: 20x20cm

Animal Management

Biosthesis gas anesthesia module
Heated table
Choice of animal breather for 1, 3 or 5 mice

Hardware Capabilities

Intelligent Darkroom concept
Fully-automatic system

- Motorized optical lens
- Software controlled lighting
- Automatic visible lighting adjustment
- Auto-focus & Auto-exposure

Newton 7.0 - FT400

Bioluminescence & fluorescence detection

Performance

Bioluminescence detection : femtogram level
Fluorescence detection : picogram level

Camera & Optics

Scientific grade CCD camera
Grade 0, zero defect
400-900nm / 4.8 O.D.
Image resolution: 10 megapixels
Native resolution: 2200x2200

Motorized V.070 lens: f:0.70
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Animal Management

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Hardware Capabilities

Intelligent Darkroom concept
Fully-automatic system

- Motorized optical lens
- Motorized filter wheel
- Software controlled lighting
- Automatic visible lighting adjustment
- Auto-focus & Auto-exposure

Hardware Capabilities

Epi-illumination
8 excitation channels from blue to IR
10 position filter wheel
Large choice of up to 9 customer made narrow
bandpass emission filters