

Cat No. **INV-16M**

Satisfying for the signal detection and accurate detection the auto iris control and elevator system

# ***Davinch* Invivo Imaging System**

**Invivo, Fluorescence,  
Bioluminescence**

**Very strong detection for weak light**

**Easy analysis for ROI values**

**High sensitivity and -55°C cooling camera**

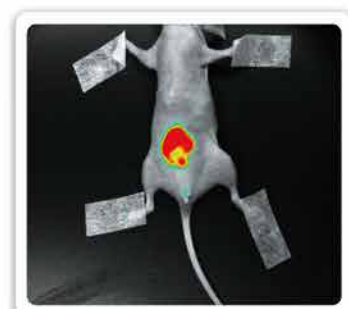
**Mouse live view**

■ **Very weak signal detection**

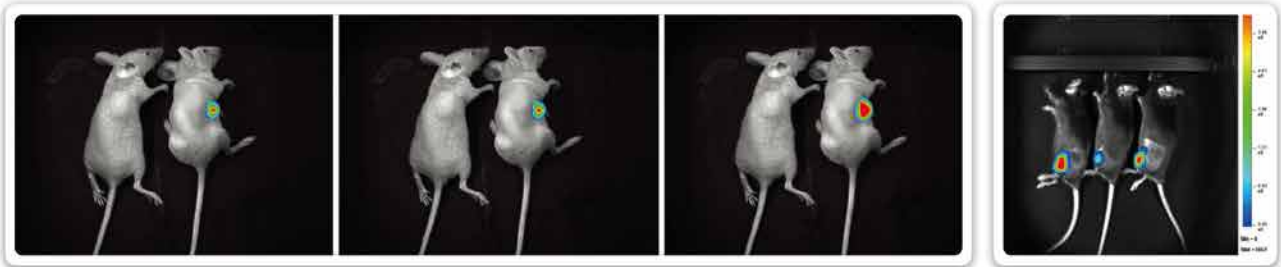
■ **Mouse 1~10 and Rat 2~3 possible**

**\* Davinch-K**

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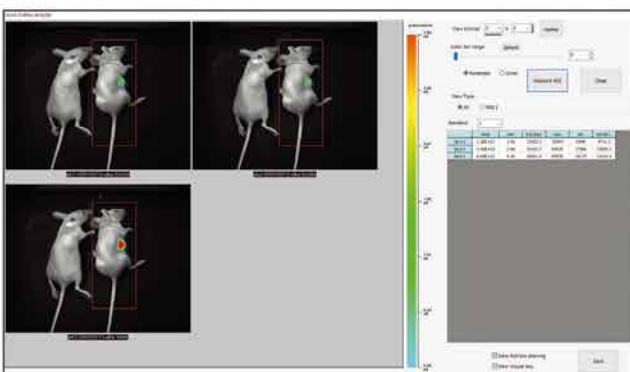


- Auto control the elevating the tray positions & heating bed
- Perfect darkroom by double protection from the light

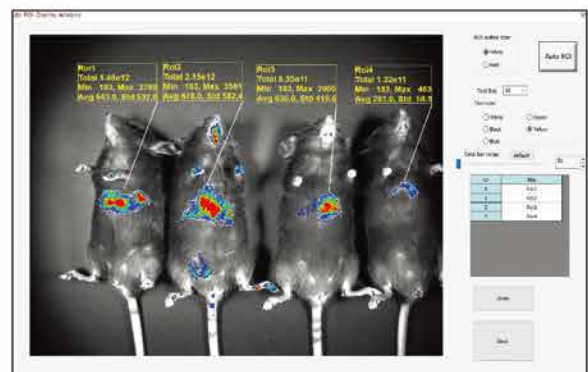


- High grade CCD camera detect the very weak signal
- Wide wavelength detection range from visible to NIR
- Easy mouse signal compare and analysis
- Easy mouse signal invivo and overlay with mouse image
- Mouse anethecesia gas inlet & outlet
- After finishing the program, it automatically turn off
- Perfect darkroom cabinet system
- Auto 8 tray positions by programed elivator positions
- Invivo analysis to 16 samples with simultaneously

### [ Invivo Analysis ]



### [ Auto ROI detection ROI name changing ]



The 16 images comparing ROI values



## [ Easy capture and analysis program ]

- **Luciferin + many fluoro wavelength detection system**  
(Bioluminescence + 8 Excitation light source + 8 Emission filters(50nm))

## ■ Specifications

Cat No.	INV-16M
High resolution	6 Mega image
Powerfull cooling	-55°C (from Room temp)
Pixel size	High sensitivity CCD sensor
Lens	Ultra sensitivity F0.85 lens, no distortion image
Iris	Automatic iris control by software
Focusing	Already focused each tray positions
Fluoro and Chemiluscence	8 types (Fluorescence and Chemiluscnce, Bioluminescence)
Heating	Mouse heating bed
Anesthesia gas	Anesthecia gas Inlet / outlet
Auto Filter wheel	50mm 8 hole emissions(GFP, RFP, cy5, Cy5.5, Cy7, ICG)
Auto 8 light source	8 excitation (visible to NIR) Luci, 488, 540, 590, 645, 675, 740, 780nm
Auto 8 Emission Filters	Emissions(520nm, 575, 640, 675, 715, 780, 830nm) GFP, RFP, Cy3, Cy5, Cy5.5, Cy7, ICG
Multi ROI Analysis Software	Auto ROI analysis and many ROI analysis program
System off	Auto turn off system for safety after 10 min