Lumi *i* Western

Marker Signal Merge
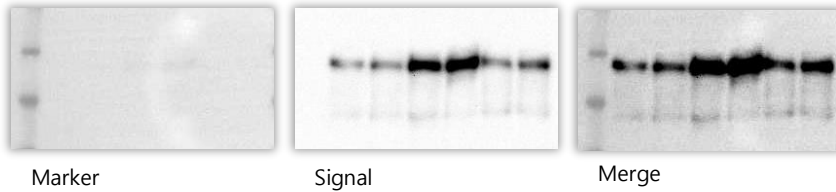

Lumi i Western is optimized for Western blot experiment, using the highly efficient Cooling CCD Camera. Its compact size (260 x 260 x 400mm) helps make better use of a space in the laboratory. Its exposure time can be set by the users manually. And the images can be accumulated which enable users to choose the best image. Users can select a certain Region Of Interest (ROI), measure the ROI and manage the data using Microsoft Excel.

Easy to Use

Imaging program for Lumi i Western has an intuitive interface so that first-time users can easily learn how to use it. You can take pictures in three ways. Capture, Accumulate and Auto-accumulate. The Accumulate method acquiring images of the set exposure time and sequentially accumulating the images. Auto-accumulate acquires image accumulated by the time determined by Imaging program according to the sample situation. This function is useful when the intensity of the signal is unknown.

Lumi i Western's compact size and simple structure make it easy to use and manage.

High-sensitive Camera

Lumi i Western uses highly sensitive sensor with a quantum efficiency of up to 77%. Noise can be minimized by 40 ℃s cooling the sensor.

Quantitation

You can quantify the signal based on area and intensity. Quantitative data can be shown in tables and can be expert to csv file.

Specification

Resolution	6.1 Mega pixel
Camera cooling	Ambient - 40°C
Working temperature	0 ~ 60°C
Size (WxDxH)	260 x 260 x 400mm
Interface connector	Standard USB 2.0
Field of View	220 x 180mm
Exposure type	Manual or Accumulate
Maximum exposure time	30 min
Data backup	Save the backup data at the same time
Measurements	ROI area, intensity and integrated density
ROI setting	Manually or automatically

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