

Odyssey CLx Infrared Imaging System



Li-Cor Odyssey CLx scanner allows precise quantification of the signal of near-infrared fluorophores. It is mainly used to scan nitrocellulose or PVDF membranes, but also gels, plates and small animals can be scanned as well. Odyssey scanner uses two independent infrared lasers and detectors, with wavelength 700 nm and 800 nm. This system allows analysis of two fluorescent dyes at one time, with higher sensitivity when compared with systems using LED or visible white light. Detection area is 25 x 25 cm.

Applications:

Infrared Western blot, In-gel Western analysis, Coomassie-stained gels, SYTO 60, In-Cell Western analysis, On-Cell Western analysis, Protein array, ELISA, small animals imaging, tissue imaging.

Parameters:

700 Channel Laser Source: Solid-state diode laser at 685 nm.

800 Channel Laser Source: Solid-state diode laser at 785 nm.

Detectors: Silicon avalanche photodiodes.

Scanning Speed: 5-40 cm/s.

Resolution: 21-337 μm .

Focus: Adjustable to be aligned to the top surface of the scan bed up to 4 mm above the scan bed to obtain the best signal-to-noise ratio of sample in membranes, gels, or microplates.

Dynamic Range: 4 logs (Manual); >6 logs (Auto).

Location:

Dall building, 1st floor, room 131b

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