LigandTracer® GREEN

Size	0.2 × 0.25 × 0.4 m (w × h × d)
Detector	Interchangeable LED-based fluorescence detector
Detector models	Blue (488 nm) - Green (535 nm) Yellow (590 nm) - Red (632 nm) Red (632 nm) - NIR (670 nm) *Detector models for other fluorophores will be developed on a regular basis, see www.ligandtracer.com for the current list of available detectors.*
Cell dish holder	Adapted for a dish diameter of 87 - 89 mm
Accessories	Delivered with a laptop computer and an interactive self-learning package
Signal unit	Fluorescence intensity (I)
Typical signal levels	10 - 500 I (Blue-Green and Yellow-Red) 50 - 2500 I (Red-NIR)
Typical noise	2 I (Blue-Green and Yellow-Red) 20 I (Red-NIR)
Typical data frequency	0.1 - 0.01 Hz
Typical assay time	1 - 10 h
Typical kinetic constants that can be estimated	K_D: 5 pM - 500 nM, k_a: 10^2 - 10^5 $M^{-1}s^{-1}$, k_d: 10^{-2} - 10^{-6} s^{-1}

LigandTracer® YELLOW

Size	0.2 × 0.2 × 0.4 m (w × h × d)
Detector	Solid state gamma-ray detector
Detector energy interval	0.1 - 1 MeV
Recommended label	^{111}In, ^{177}Lu, ^{99m}Tc, ^{18}F, ^{11}C and similar
Cell dish holder	Adapted for a dish diameter of 87 - 89 mm
Accessories	Delivered with a laptop computer and an interactive self-learning package
Temperature control	+7 to +37 °C
Signal unit	Counts per second (CPS)
Typical signal levels	10 - 1000 CPS
Typical noise, 30 s detection time	< 8 CPS
Typical data frequency	0.1 - 0.01 Hz
Typical assay time	1 - 24 h
Typical kinetic constants that can be estimated	K_D: 5 pM - 500 nM, k_a: 10^2 - 10^5 $M^{-1}s^{-1}$, k_d: 10^{-2} - 10^{-6} s^{-1}

LigandTracer® GREY

Size	0.2 × 0.2 × 0.4 m (w × h × d)
Detector	Solid state X-ray detector
Detector energy interval	10 - 60 keV
Recommended label	^{125}I
Cell dish holder	Adapted for a dish diameter of 87 - 89 mm
Accessories	Delivered with a laptop computer and an interactive self-learning package
Temperature control	+7 to +37 °C
Signal unit	Counts per second (CPS)
Typical signal levels	2 - 200 CPS
Typical noise, 30 s detection time	< 2 CPS
Typical data frequency	0.1 - 0.01 Hz
Typical assay time	1 - 24 h
Typical kinetic constants that can be estimated	K_D: 5 pM - 500 nM, k_a: 10^2 - 10^5 $M^{-1}s^{-1}$, k_d: 10^{-2} - 10^{-6} s^{-1}

LigandTracer® WHITE

Size	0.2 × 0.2 × 0.4 m (w × h × d)
Detector	Solid state electron/positron detector
Detector energy interval	0.05 - 1 MeV
Recommended label	^{14}C, ^{35}S, ^{32}P, ^{33}P and positron emitters (e.g. ^{18}F)
Cell dish holder	Adapted for a dish diameter of 87 - 89 mm
Accessories	Delivered with a laptop computer and an interactive self-learning package
Temperature control	+7 to +37 °C
Signal unit	Counts per second (CPS)
Typical signal levels	1 - 100 CPS
Typical noise, 30 s detection time	< 0.4 CPS
Typical data frequency	0.1 - 0.01 Hz
Typical assay time	1 - 24 h
Typical kinetic constants that can be estimated	K_D: 5 pM - 500 nM, k_a: 10^2 - 10^5 $M^{-1}s^{-1}$, k_d: 10^{-2} - 10^{-6} s^{-1}