

Nikon Eclipse Ti TIRF Microscope

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Brand

Nikon

Type

eclipse Ti

Contact

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Organisation

Plant Sciences

Department

Laboratory of Cell Biology

Description

Nikon Eclipse Ti inverted microscope equipped with DIC, Nikon TIRF illuminator unit and high NA TIRF objective (100x, NA=1.49).

The microscope comes with Perfect Focus System that automatically corrects focus drift in real time during a prolonged period of time-lapse imaging.

Microscope is equipped with Photometrics EMCCD camera (QuantEM:512SC) allowing detection on a single molecule level.

Technical Details

Excitation is provided by HeNe laser (ThorLabs, 633nm, 20mW) and two solid state lasers (Cobolt AB, 473nm, 50mW; Cobolt AB, 561nm, 50mW). Custom built excitation path facilitates for a multi color TIRF measurements.