

Slide-In Chamber for Microscopic Observations of Plant-Microbe Interactions

Disclosure Number

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Technology Summary

The slide-in-plant chamber is a small device compatible for use with microscopes (brightfield, confocal) for visualizing events occurring around or inside the roots of plants in real time over short (hours) or long (days) timeframes without sacrificing the plant. This chamber allows imaging of root systems of various plants seeded in soil or plant growth medium. Plants are incubated upright under any lighting or temperature conditions compatible with plant growth and the chambers are moved to the microscope for imaging.

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