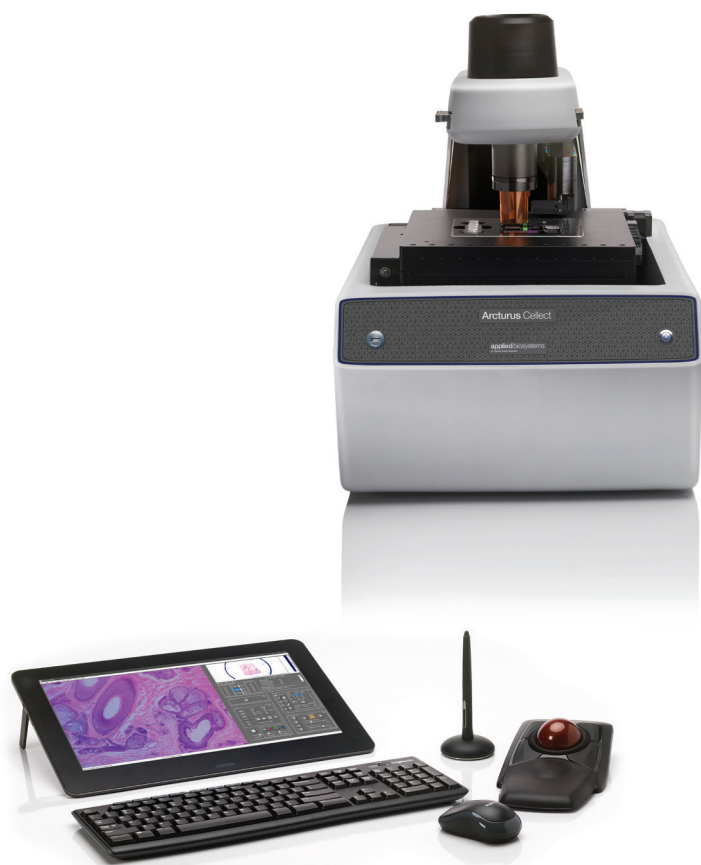


Arcturus Collect Laser Capture Microdissection System

Power and precision in a complete system for microgenomics

The Applied Biosystems™ Arcturus™ Collect Laser Capture Microdissection (LCM) System enables the capture of pure cell populations from heterogeneous tissue to help reveal accurate, cell-specific data that is otherwise obscured in mixed cell samples. Whether you are working with single cells or isolating pure cell populations for oncology, neuroscience, or proteomics research, your downstream analysis is enriched for more relevant results.

Dual-laser technology lets you take control and precisely capture only the material needed for analysis without worrying about contamination or effect on morphology. The infrared (IR) laser allows you to select individual cells or small groups of cells, and work with glass slides. The ultraviolet (UV) laser allows you to quickly capture large areas and work with dense tissue structures such as plant or bone tissue. The instrument's compact design saves valuable bench space while integrating both lasers and an onboard computer with intuitive, workflow-based software.



Specifications

Attribute	Detail
Microscope	Purpose-built, inverted, motorized microscope base
Lasers	UV cutting laser: solid-state, diode-pumped (355 nm) IR capture laser: solid-state, near-IR (808 nm)
Illumination	High-intensity LED illumination system
Objectives	2x, 4x, 10x, 20x, 40x, and 60x objectives
Stage	Motorized, trackball-actuated in X and Y axis with 1 μ m precision Stage inserts for 3 traditional slides (75 mm x 26 mm), 2 large-format slides (75 x 50 mm), or 1 petri dish (50 x 7 mm)
Contrast methods	Brightfield, phase contrast Optional: Fluorescence (LED)
Cameras	Color camera (10 MP) Optional: Dedicated, cooled monochrome camera (1.4 MP) comes with fluorescence
Dimensions, D x W x H	57 x 46 x 61 cm (22.5 x 18.25 x 24 in.)
Work surface required, D x W x H	57 x 86 x 61 cm (22.5 x 34 x 24 in.)
Weight	49 kg (108 lb)
Power	100–240 volts AC (VAC), 50–60 Hz; 600 W
Computer	Onboard PC (Intel™ NUC) with Microsoft™ Windows™ 10 software: not accessible or serviceable by the customer
Display	Ultra HD, touchscreen display Optional: Large ultra HD, touchscreen display

Ordering information

Product	Cat. No.
Arcturus Collect LCM System	A40330
With fluorescence option	A40331
With large monitor option	A40328
With fluorescence and large display option	A40329

Find out more at thermofisher.com/collect