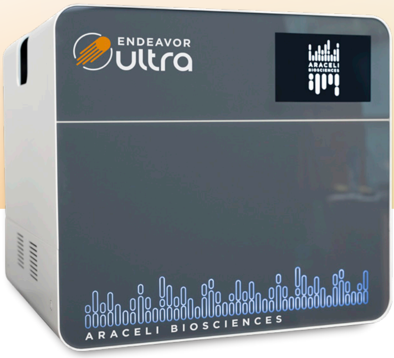
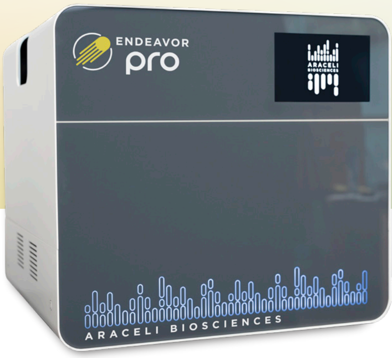
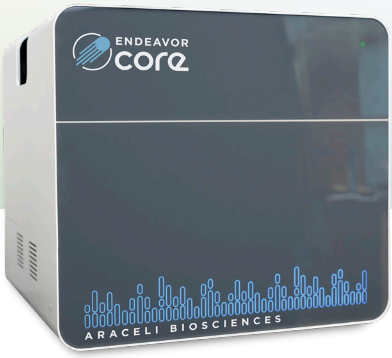
Araceli Endeavor® Portfolio

Scalable High Content Imaging for Every Throughput Need







ENDEAVOR ultra

The Fastest Path to Breakthroughs

Purpose-built to meet the demands of **ultra-high-throughput workflows**, delivering full-plate, high-resolution imaging across 96, 384, and 1536-well formats with industry-leading speed.

Optimized for scale, it offers up to 1.5x greater acquisition throughput than Araceli Endeavor® Pro—ideal for accelerating large-volume screens where time and data output are critical.

With ClaireRT, Araceli's real-time quality control engine, Ultra detects focus and assay variability during acquisition to reduce reruns and ensure reliable data from every plate.

ENDEAVOR pro

The Workhorse You Can Rely On

The dependable screening engine where **high-throughput meets high performance**, optimized for 96, 384, and 1536-well formats.

With automation-ready design and robust data handling, it integrates seamlessly into modern workflows to keep your lab focused on results.

Whether used standalone or alongside specialized systems, Pro delivers consistent, daily performance that drives discovery forward.

ENDEAVOR core

No Frills, No Limits

All Essentials Starting at 225k

Equipped for **high-performance high content imaging** through EndeavorOS, our intuitive, user-friendly software shared across the Endeavor portfolio.

Designed for accessibility and ease of use, it enables rapid onboarding and smooth operation for users at all experience levels.

With maximized well coverage and imaging speeds up to 2x faster than legacy systems, Core is the ideal solution for assay development and small-to-mid-scale screening workflows.

	Possible Plates* per Day (24 hr)	Possible Plates* per Week (24 hrs/day)	Possible Plates* per Month (24 hrs/day)
Endeavor Ultra	283	1,984	8,628
Endeavor Pro	212	1,487	6,464
Endeavor Core	66	460	1,999

**1536 well plates; 4 channels + transmitted light; B/G/FR/R/TL exposure in ms: 10/30/60/50/4*

Learn more about the Endeavor portfolio »

System Specifications	ENDEAVOR ultra	ENDEAVOR pro	ENDEAVOR core
Throughput	Ultra	High	Medium
Acquisition Time per Plate (min)** Maximized Well Coverage	4	6	22
Automation Compatible	●	●	●
Supported Microtiter Plates 96, 384, 1536	●	●	●
Laser Autofocus	●	●	●
Illumination LED wavelengths (nm) 390, 470, 555, 630, and brightfield	●	●	●
Digital Resolution 0.27 µm/pixel	●	●	●
Objective 20x, 0.75 NA	●	●	●
Camera 1.1" CMOS – 4400 x 4400 pixels	●	●	●
Parallelized Image Processing Proprietary light paths, full resolution	●	●	
Touch Screen Display	●	●	
High Performance Acquisition System	●		
ClaireRT Real-time assay monitoring	●		

**Single plane, 1.2 mm x 1.2 mm FOV; full resolution, 4 channels + transmitted light, *B/G/FR/R/TL exposure in ms: 10/30/60/50/4*, for supported microtiter plate formats; *FOVs: 4x4 for 96, 2x2 for 384, 1x1 for 1536*

Excitation and Emission Spectra for All Endeavor Platforms