

MEET REBEL

THE MICROSCOPE TO CHALLENGE
THE STATUS QUO.

REBEL WITH A CAUSE

Rebel was built around a singular vision: to rethink traditional microscope design. Every aspect of usability, workflow, and ergonomics were pushed to create a powerful, yet simple instrument.

As it came together, the result was something entirely new. Something radically different from anything before it – an instrument that will change the way you view science.



TWO MICROSCOPES IN ONE

Despite sharing many optical components, conventional microscopes have always existed in two configurations: Upright or Inverted.

Where most labs have to purchase two seperate microscopes for viewing different samples, ECHO has developed the world's first hybrid microscope that can be flipped to perform in either configuration.

Rebel is the most flexible microscope in its class. For the first time, labs no longer have to choose between one system or the other, and users can quickly tailor their microscope to suit their specific needs.



MORE BENCH SPACE

Have more freedom with Rebel's small footprint and mobility.



COST EFFICIENT

71% of labs purchase both an Upright and an Inverted System.



VERSATILE

Ability to explore more applications.

UPRIGHT



INVERTED



CONFIGURATIONS

Upright

Ideal for viewing glass slides.
Clean approach to oil immersion applications.
Useful for Water Dipping applications.
Use with optional high resolution condenser.

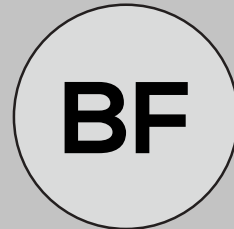


Inverted

Designed for viewing live samples in fluidic chambers such as dishes and well plates.
Allows for easier manipulation of samples.
Ideal for Long Working Distance applications.

Brightfield

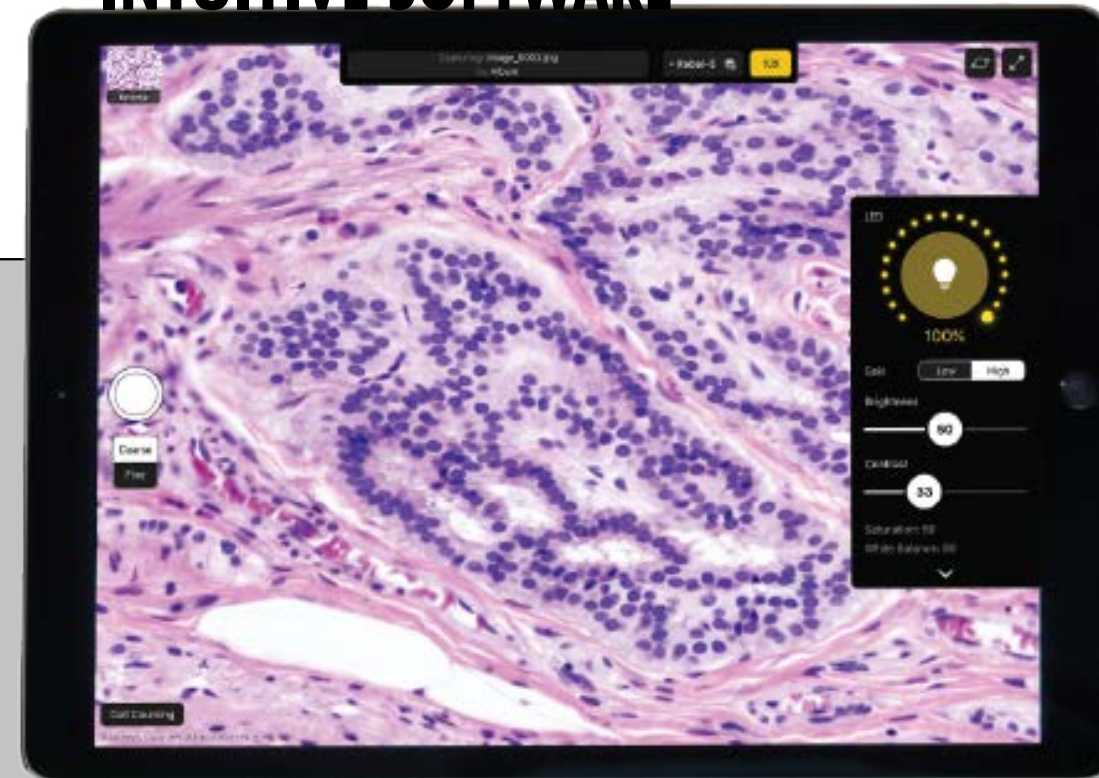
Stunning detail. Perfect color.
8 MP color camera.
HD video, 120 fps.



Phase Contrast

Exceptional performance.
Contrast enhancing technique to view transparent sample.

INTUITIVE SOFTWARE



ANNOTATIONS

No more clicking. Tap to count cells. Draw lines and regions to measure.

REPEAT

Restore settings from previously captured images to accurately reproduce your experiments.

PINCH TO ZOOM

Intuitive touch screen actions such as Pinch to Zoom are integrated into the Echo App.

RESPONSIVE

Touchscreen functions drive cameras and illumination, replacing manual turrets and levers.

SHARE DATA

Share findings in seconds with Dropbox™, AirDrop®, USB, and other iOS file sharing options.



FOCUS REIMAGINED

The Rebel is incredibly easy to use. You'll feel and appreciate the difference of using a familiar interface with responsive touch control.

The **Remote Focus Driver** allows users to comfortably place and adjust their hands as needed. With programmable buttons, capture and control focus speeds with ease.



REMOTE FOCUS DRIVER

CELL COUNTING MADE EASY

Counting cells manually presents many pain points. The elements of an increased likelihood of user variability, the excess time it takes to count with a clicker or tally counter, and the increased user frustration, are alleviated with our new Automated Cell Counting Software.



SAVE VALUABLE TIME

Automated cell counts in seconds.
Minimal training required.



GET ACCURATE RESULTS

Multi-view mode offers controls to verify accuracy.
Multi-photo acquisition averages data to give a more accurate analysis.
Eliminate user-to-user variability.



VIABILITY

HISTOGRAM W/GATING

MULTI-IMAGE CAPABILITIES

INDIVIDUAL CELL ANALYSIS

ERGONOMICS REDEFINED

An issue that routine users struggle with is pain and fatigue from using their microscopes for extended periods of time. We collaborated with **Labconco**, the world's leading manufacturer of lab equipment and furniture to develop two first of its kind products to help relieve the user of neck and wrist pain as well as eye fatigue.

The **True Ergo Table** and **Rebel Logic Plus Biosafety Cabinet** bring the microscope stage flush with the working table top surface to drastically improve comfort and workflow for the user.



SMOOTH WORKFLOW

Brings microscope stage flush with table.



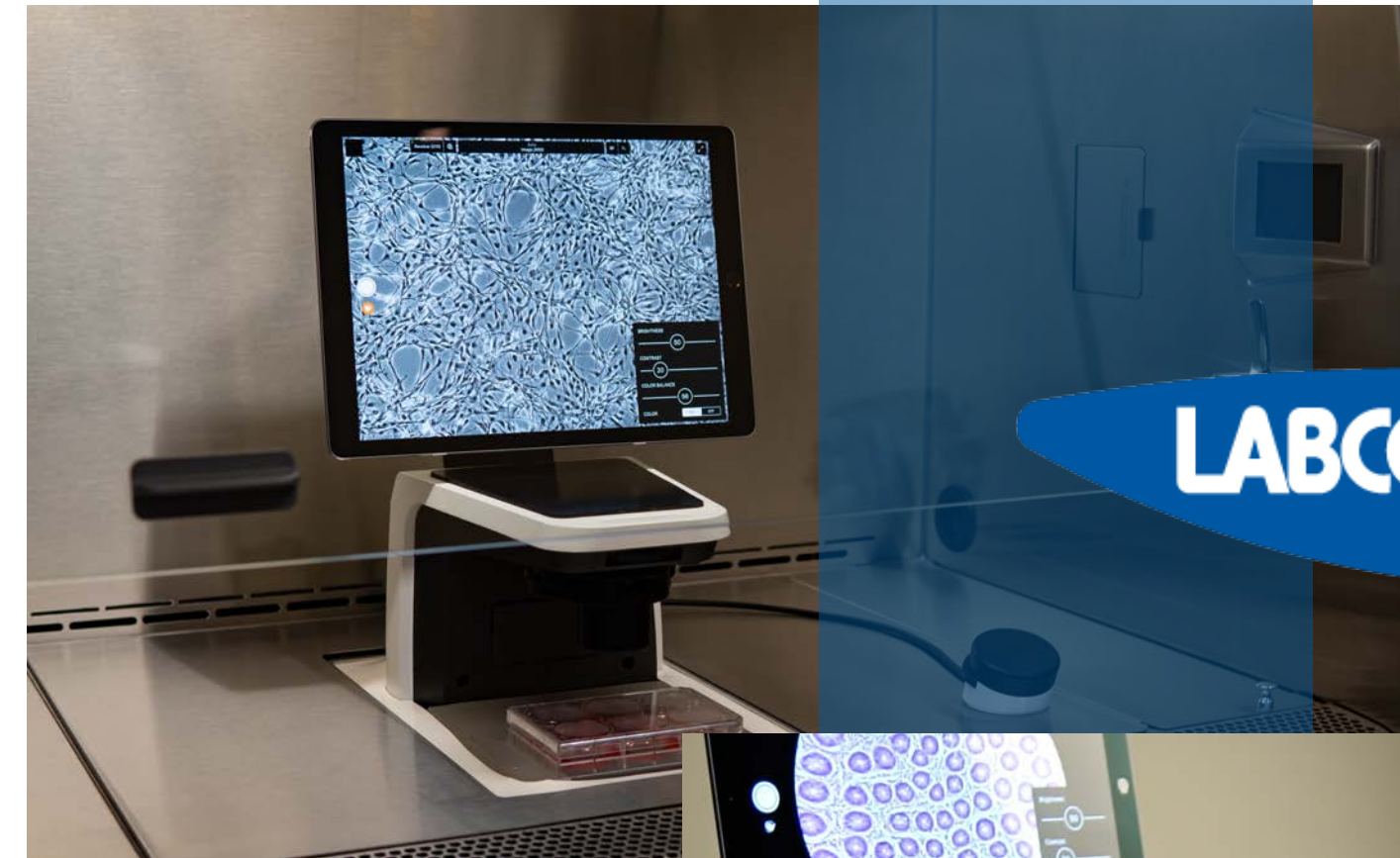
PAIN RELIEVING

Ergonomic design to avoid pain to wrists and neck from extensive use.

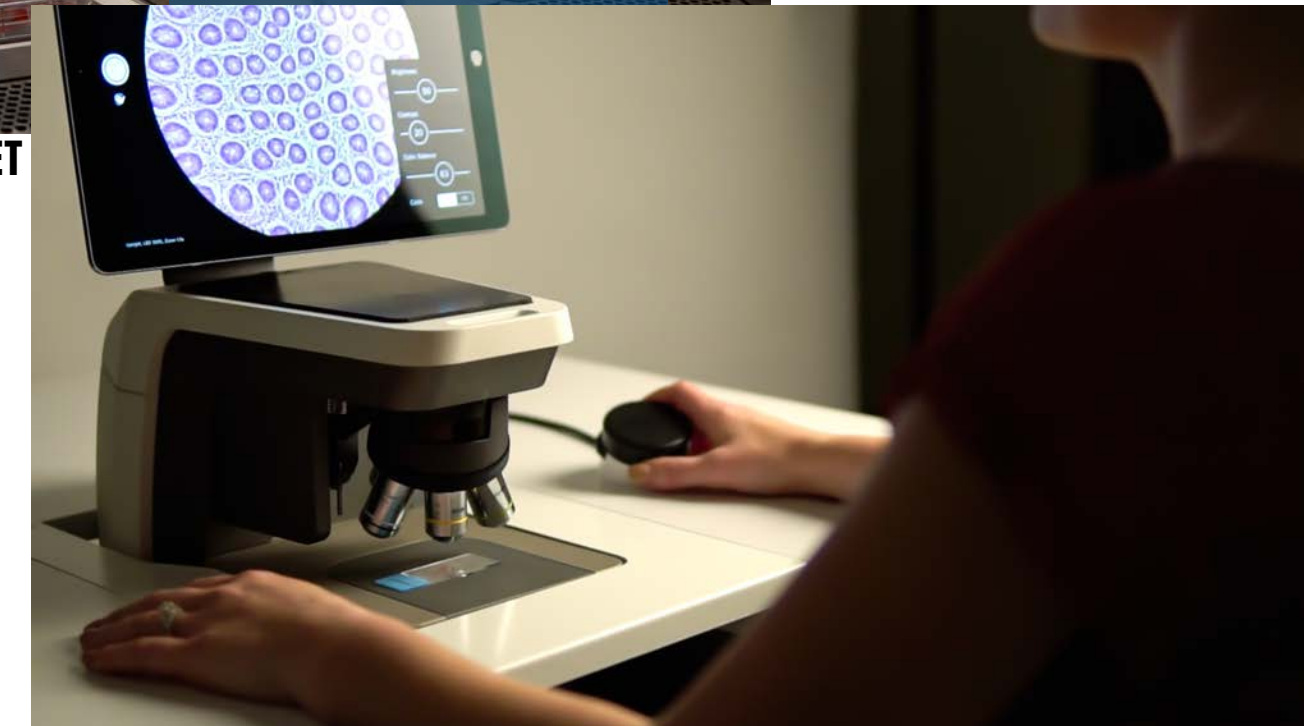


CUSTOM COMFORT

Ability to adjust height of Biosafety Cabinet and True Ergo Table to preference.

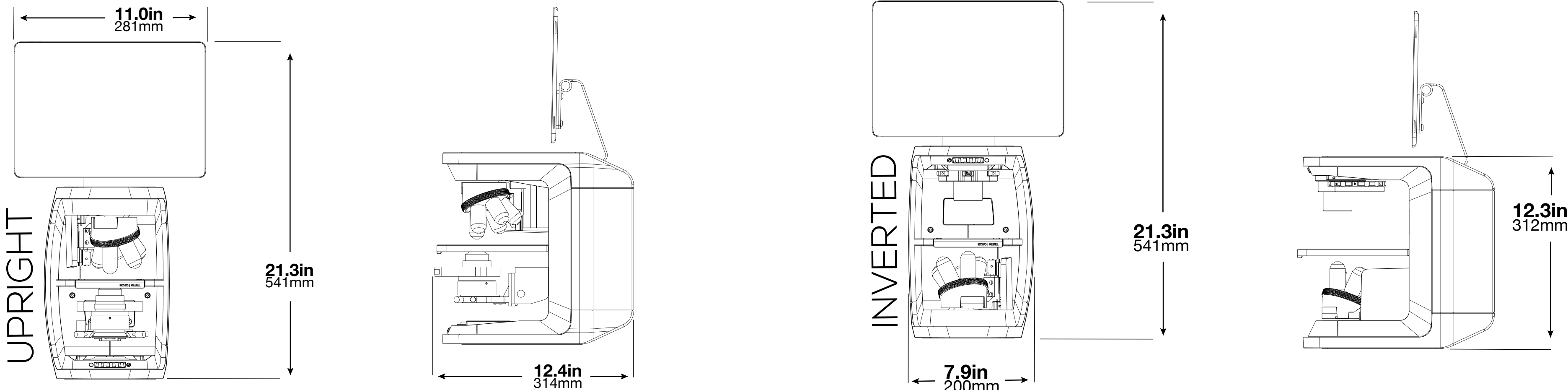


REBEL LOGIC PLUS BIOSAFETY CABINET



REBEL TRUE ERGO TABLE

PRODUCT SPECIFICATIONS



 STAND	 CAMERA	 DISPLAY	 DATA	 ERGONOMICS	 SOFTWARE	 OPTICS	 POWER
Hybrid Microscope: Performs both UPRIGHT and INVERTED observation modes Removable display Optional binocular module	Brightfield: 8MP CMOS color camera Repeatable camera and LED light settings	Apple iPad Pro: 12.9" Retina® display 2732 x 2048 (264 pixels/inch) Full circular FOV (field of view) as seen through conventional eyepieces Touchscreen interface	Transfer via: USB AirDrop® (iOS and Mac) Seamless integration with file sharing	Remote Focus Controller for coarse / fine focus TRUE ERGO TABLE by Labconco: Adjustable height table with flush mounted stage for improved workflow REBEL Logic+ Biosafety Cabinet by Labconco: Flush mounted stage for improved workflow	Touch interface for microscope and camera control Measurement annotations: Length, Area, Cell Count, Scale Bar Touch-based cell counting tool (up to 6 different cell types) Downloads and updates available via App Store	2x – 100x Plan Achromat and Plan Apochromat options Brightfield and Phase Contrast capabilities Extra Long Working Distance (ELWD) condenser available High Resolution (High N.A.) Flip-out condenser available	Voltage Input: 100 ~ 240 V (50/60Hz) Voltage Output: 12V Current Output (Max): 5A Power: 60W

A COLLABORATIVE EXPERIENCE

View science the way you've always wanted to see it. Use an Apple TV to create an immersive microscopy experience. Whether it's in a lecture, lab, or personal device, airplay allows the user to mirror their discoveries on external displays without any cords.



A PAINLESS DELIVERY PROCESS

We created Rebel to be a little different.



Risk Free Trial

We give you 30 days to try Rebel on us. Don't love it? We'll pick it up and give you a full refund.



Delivered in a Small Box

Delivered straight to your location
In a 30 x 25 x 25 box. Plug in the scope and you're ready.



Exceptional Customer Service

Microscopy specialists are available M-F to answer any questions you may have.