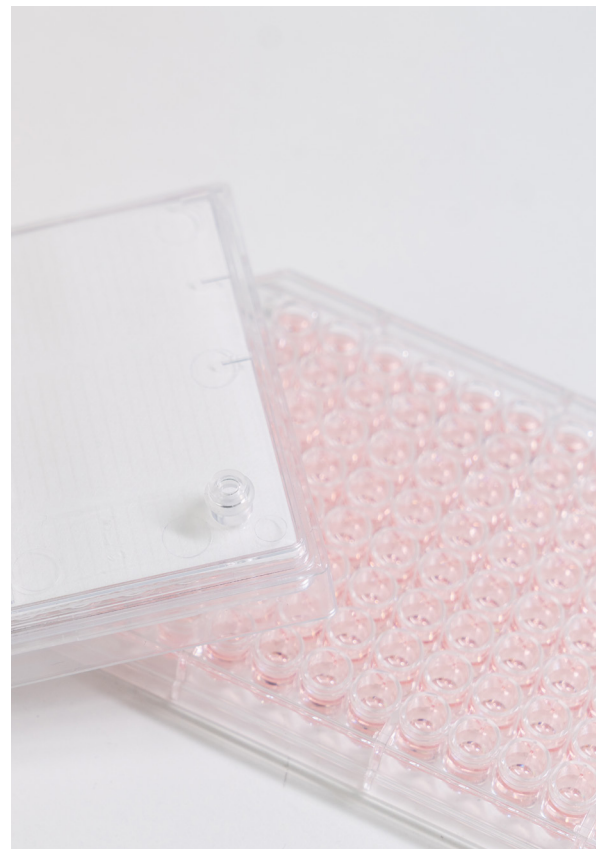


C.BIRDTM

Mix the wells, Boost your cells

Unleash the full potential of 96/24-Well Plate Cell Culture



Enable agitation culture environment in 96/24-well plates!

C.BIRD is a compact instrument that enables adjustable agitation environment in standard 96/24-well plates. C.BIRD safeguards your cell culture with the patented mixing technology, performing suction and expulsion to enable continuous or periodic reciprocating mixing

during cell culture. This feature guarantees superior oxygen transfer rate and more even distribution of nutrients, growth factors, and other critical components.

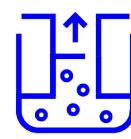
"No more worries about shaker diameter, weight loading, or countless accessories."



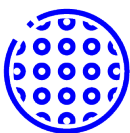
Increase oxygen transfer rate



Higher cell density, viability



Homogenous media composition



Streamlined workflows



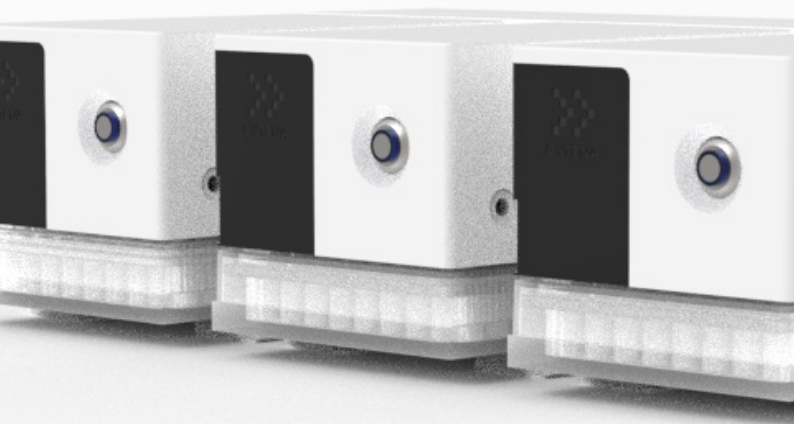
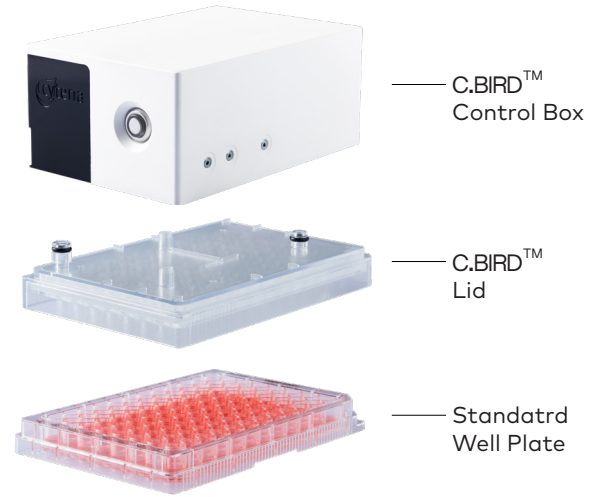
Low shear rate mixing to reduce stress on cell lines



Compact and user-friendly

Innovative Agitation Solution: C.BIRD System

The C.BIRD device consists of a control box and a consumable C.BIRD lid for mixing culture. The device is compatible with a standard 96/24-well plate. The novel C.BIRD lid with 96/24 fluidic channels is inserted into a well plate. Via these fluidic channels, the control box exerts continuous reciprocal mixing in every well, each with working volumes of 150-200 μL for 96-well plates and 1000-1600 μL for 24 well-plates.



Compact Design That Best Fits Your Workflow

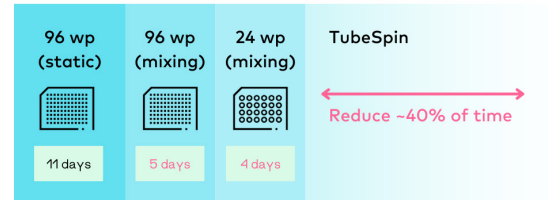
C.BIRD stands out as a compact yet automated laboratory instrument, weighing just 332g for a single control unit. The compact size of C.BIRD allows the device to run in a standard cell culture incubator. It also comes with one docking station, three control units and a user-friendly software for parameters control and monitoring. A connecting USB cable and a standard laptop for power supply (5V) and data transfer are all that are required to use C.BIRD.

Proven Effectiveness for Multiple Cell Types e.g. CHO, PBMCs, CTC....

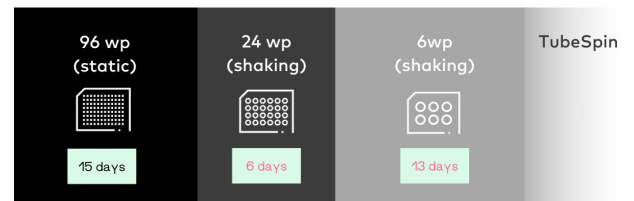
C.BIRD opens up exciting possibilities for cell growth and parameter optimization. C.BIRD users across various fields have witnessed substantial improvements in cell culture outcomes, with significantly higher cell densities and improved cell viability.

Accelerate CHO Cell Line Development Workflows by Reducing Clone Expansion Time

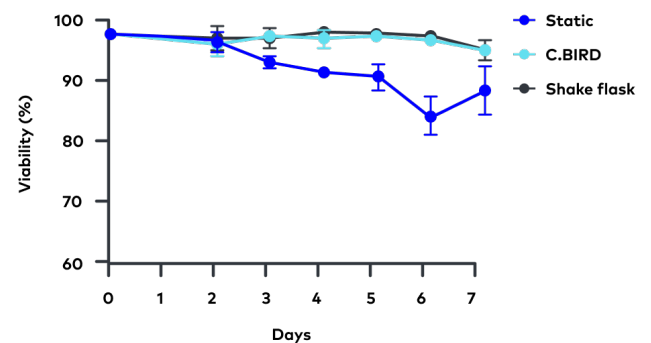
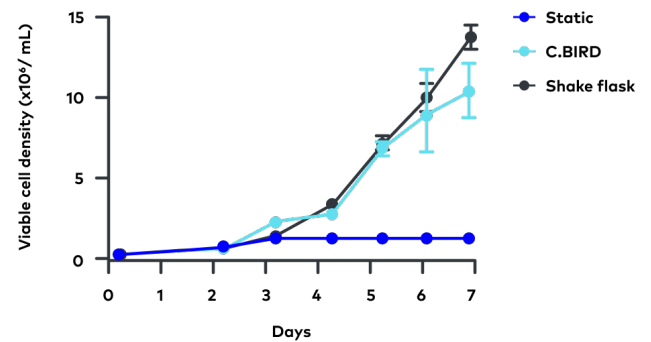
C.BIRD workflow



Conventional workflow

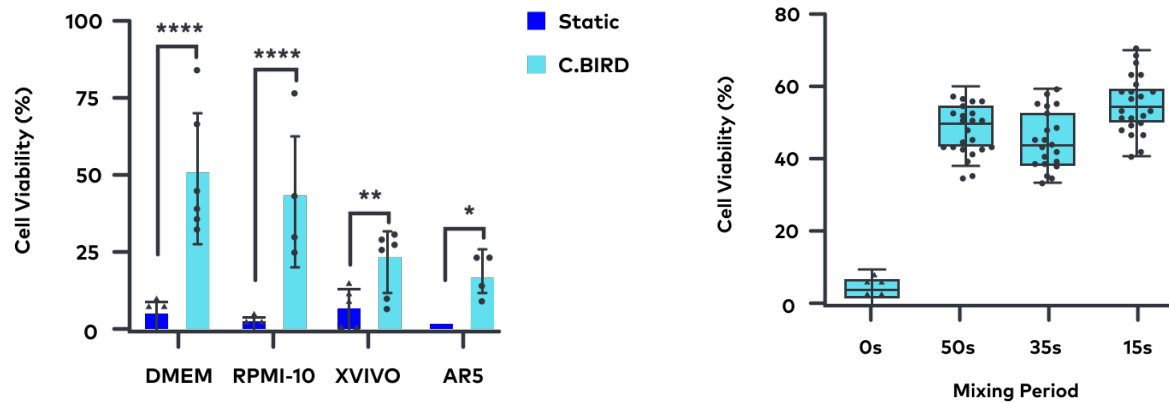


CHO Cells

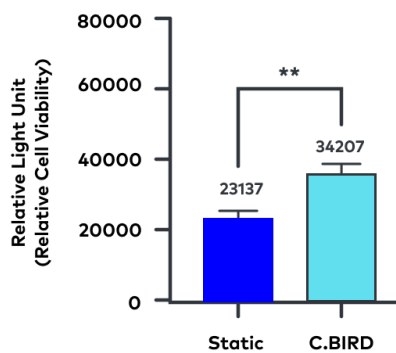


Experience a 10-Fold Viability Increase in Patient-Derived Cell Cultures

Human Peripheral Blood Mononuclear Cells (PBMCs)

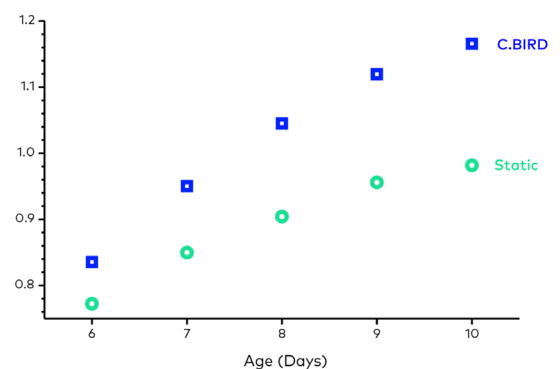
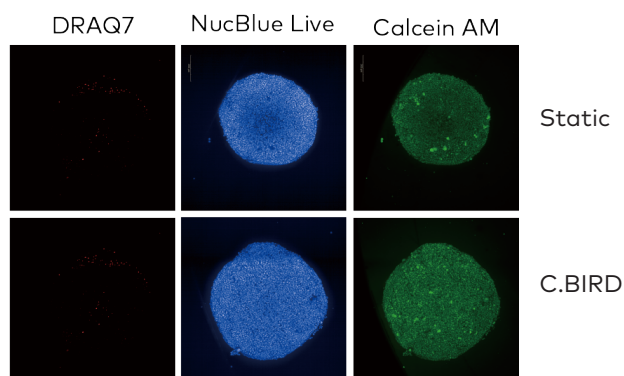


Circulating Tumor Cells (CTC)

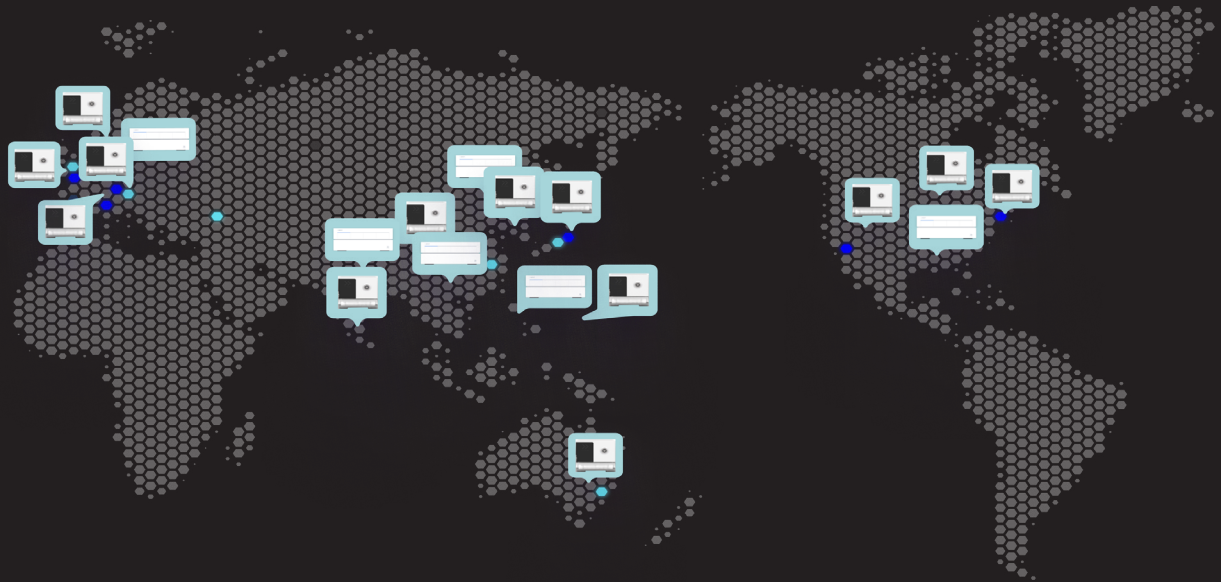


Enhanced Growth for Larger, Healthier Organoids and Spheroids

HCT116 Cells (Spheroid Culture)



"Join the ever-expanding community of C.BIRD users and experience the immense potential it holds for advancing scientific knowledge and innovation."

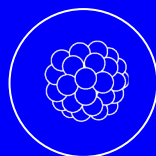


C.BIRD has garnered widespread recognition and adoption, with a growing community of users spanning the globe. From renowned research laboratories at esteemed academic institutions to industry-leading pharmaceutical companies, countless users worldwide have embraced the transformative capabilities of C.BIRD. The global network of C.BIRD users stands as a testament to its effectiveness, reliability, and ability to revolutionize cell culture workflows.



Biologics

Cell line
development



3D culture

Spheroid / Organoid



Patient-derived blood cell culture

Contact us now

info@cytena-bps.com

To learn more about C.BIRD and how it can bring your cell culture experiments to new heights. Together, let's shape the future of scientific innovation.

Specifications

General characteristics		
Dimensions of C.BIRD		
Width	183	[mm]
Depth	303	[mm]
Height	82	[mm]
Weight of Docking Station	1,280	[g]
Dimensions of Control Unit (each)		
Width	85	[mm]
Depth	128	[mm]
Height	53	[mm]
Weight	332	[g]
Power cord characteristics		
5V, 900mA, USB 3.0, 180 cm length		
Installation category	CAT II	-
Ambient conditions		
Min. temperature	5	[°C]
Max. temperature	45	[°C]
Humidity (non-condensing)	95 ± 5	[%]
Indoor use	Yes	-
Outdoor use	No	-
Pollution degree	2	-
Transportation/storage conditions		
Min. temperature	20	[°C]
Max. temperature	70	[°C]
Humidity (non-condensing)	95 ± 5	[%]
Culture conditions		
Mixing rate (96-well format)	15 – 50 s ± 2	[seconds]
Mixing rate (24-well format)	25 – 50 s ± 2	[seconds]
Working volume (96-well format)	150 – 200	[µl]
Working volume (24-well format)	1,000 – 1,600	[µl]



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