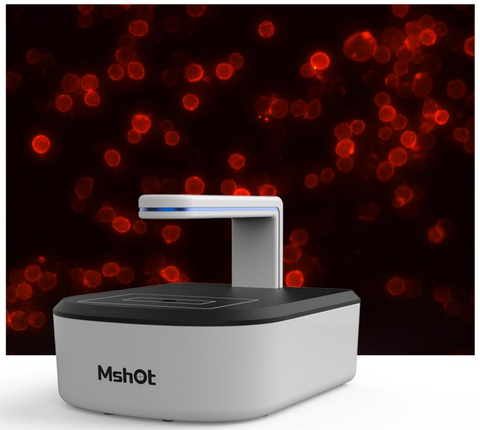
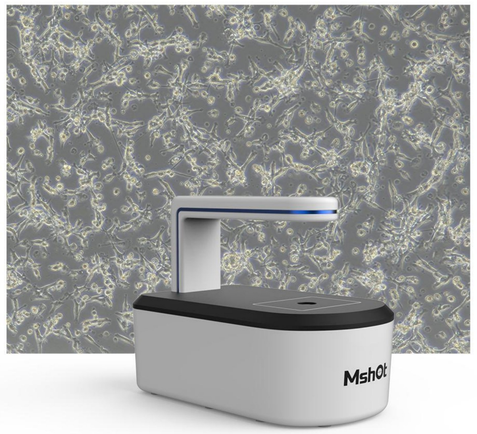
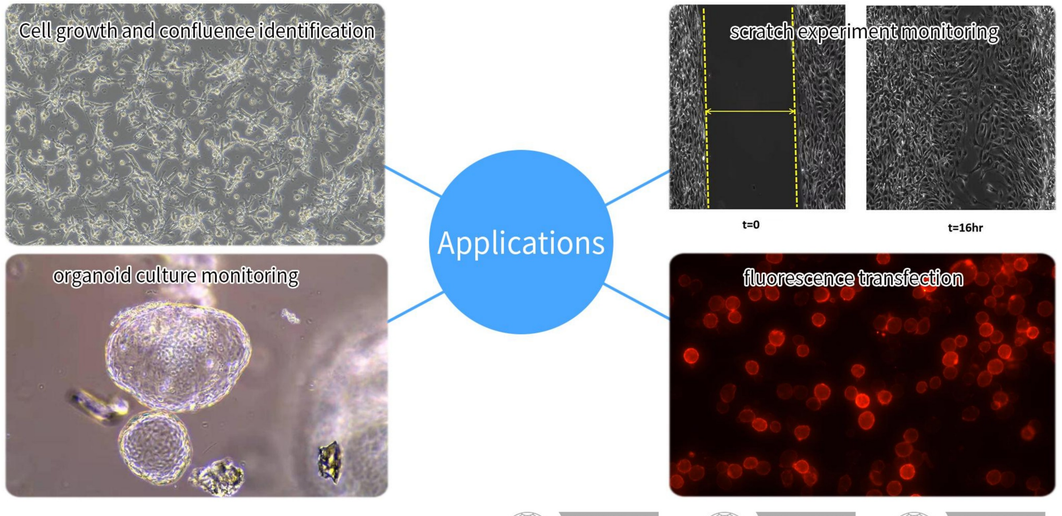




MCS21MCS22	MCS11
combine brightfield, phase contrast and fluorescence imaging, equipped with blue and green fluorescence channels , suitable for monitoring cell transfection and cell viability scenes	The 625nm red LED light source can reduce cell whitening, suitable for cell observation,-confluence analysis, scratches and other scenarios.

Compatible with automated brightfield/fluorescence imaging in incubator,MSHOT MCS11&MCS21 &MCS22 Live-Cell Imaging System allows for long-term dynamic monitoring and analysis of live cells. With easy-to-use software and an AI intelligent analysis system, it can timely help you visualize and analyze sample morphology and behavior changes , and can also realize cell culture progress reminders.



ISO CERTIFICATED 9001:2015 ISO CERTIFICATED 14001 ISO CERTIFICATED 13485

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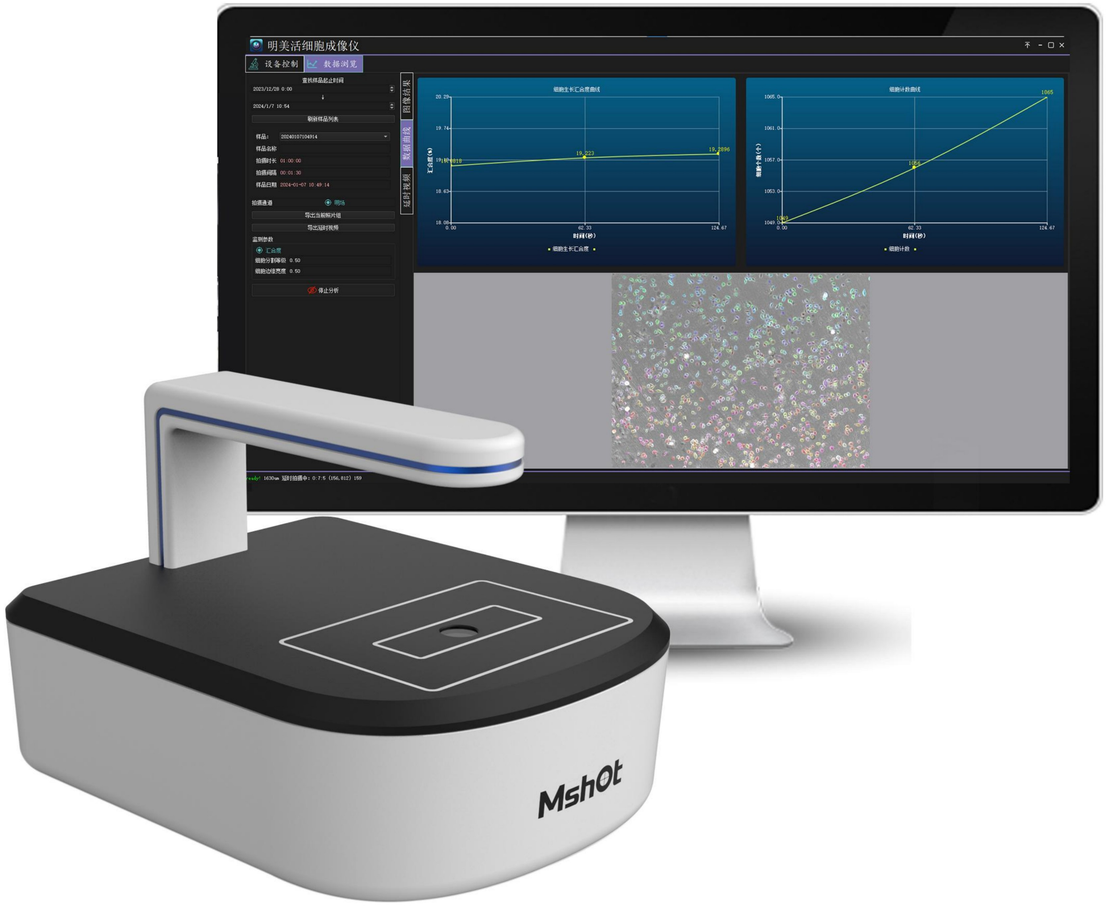
Mshot Live-Cell Imaging System



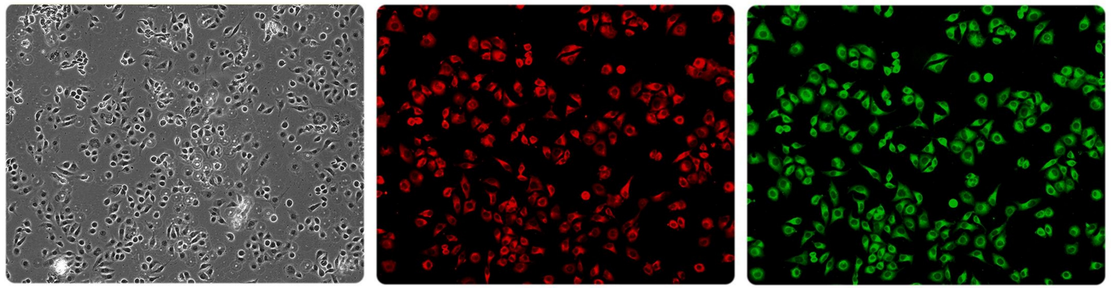
Intelligent cell culture

Assist in improving cell quality

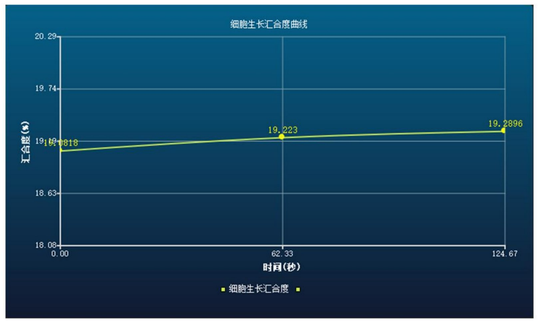
Features

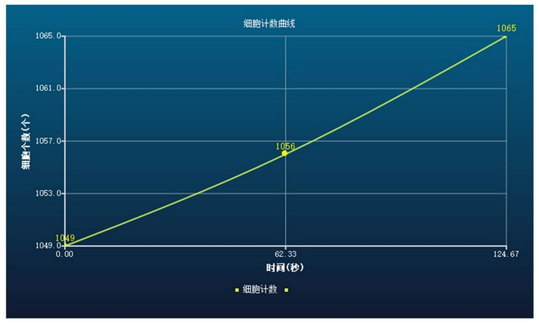
The MCS11/MCS21/MCS22 Live-Cell Imaging System greatly simplifies your workflow through automated scheduled observation, analysis and reporting, you can remotely monitor the progress of cell culture without entering the clean room or opening the incubator, greatly improving work efficiency and avoiding the risk of disturbing growth and contaminating samples.

High-quality phase contrast, fluorescence imaging

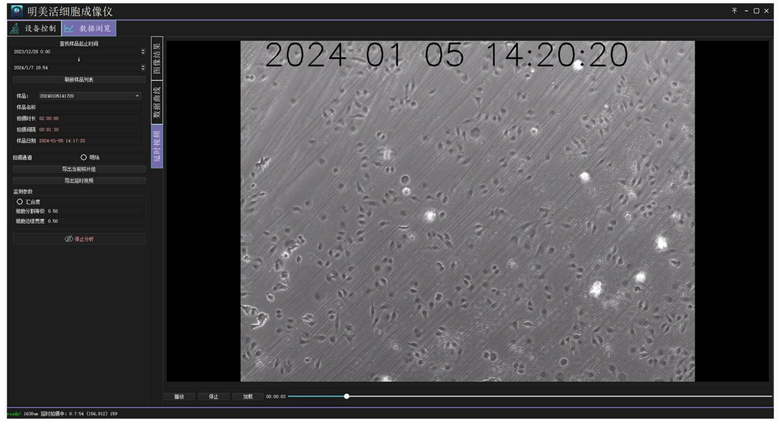


Confluence analysis/cell counting



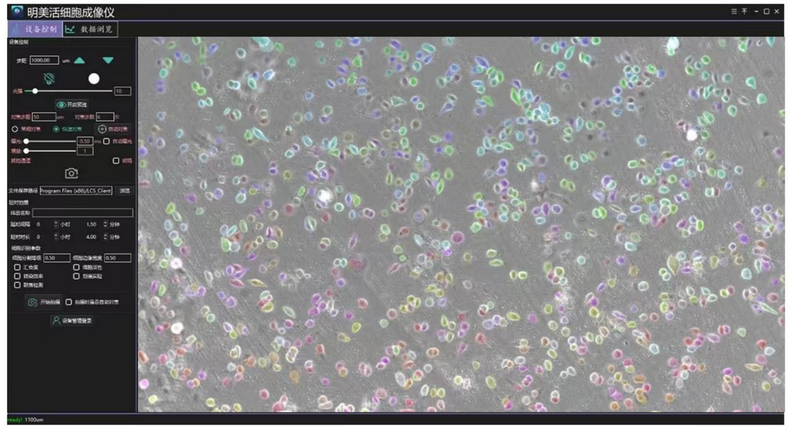


Time-lapse recording

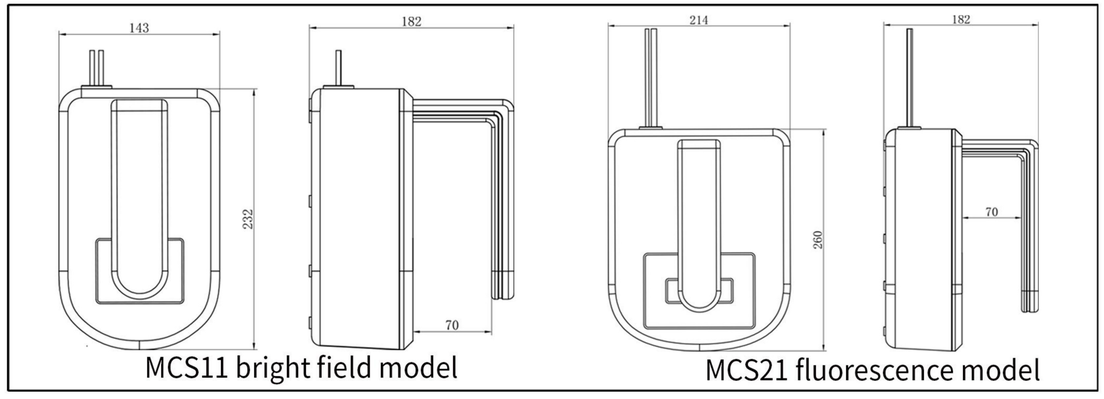


Email reminder and romote control

Email reminder



Specifications

Live-Cell Imaging System			
	MCS11	MCS21	MCS22
Bright field observation	Transmitted phase contrast illumination, WD: 70mm		
	Long life low phototoxicity LED light source: 625nm		
Fluorescence observation	No such function	Blue(B): 475/30nm	
		Green(G):560/40nm	
		Three colors of fluorescence are available, and the wavelength can be customized	
Objective lens	Single objective lens: 4X/10X/20X objective lens optional	Single objective lens: 4X/10X/20X objective lens optional	Dual objective lens: electric switching 4X/10X/20X objective lens optional
Stage	Flat stage, manual movement		
Dimensions	Width*length*height: 143mm*232mm*182mm	Width*length*height: 214mm*260mm*182mm	
Z axis	Electric focus, auto focus		
Camera	5-megapixel brightfield camera	High-speed and high-sensitivity fluorescence camera 5 million pixels Chip size: 2/3 inch; Frame rate: 40fps	
Software	Adopts C/S architecture and supports remote control, including lighting control, camera recording, photography, video recording, time-lapse photography, cell counting, cell confluency, scratch experiment; external network control, email reminder		
Data transmission/power supply	USB data cable + DC power supply cable		
working environment	5-42，5-95%RH		

Dimension