

XDY-1

倒置荧光显微镜
INVERTED FLUORESCENCE MICROSCOPE



XDY-1倒置荧光显微镜由落射荧光显微系统与倒置生物显微系统组成，配置长工作距离平场物镜与大视野目镜。旋转摆入摆出式聚光系统工作距离长，可对高培养皿或圆筒状烧瓶进行无沾染培养细胞观察，也可进行相衬观察。落射荧光显微系统采用模块化设计理念，可以安全、快捷地调整照明系统，切换荧光滤色片组件。产品可应用于细胞组织，透明液态组织的显微观察，也可用于生物制药，医学检测、疾病预防等领域内的荧光显微术观察。

XDY-1 inverted fluorescence microscope is composed with EPI-fluorescence microscope and inverted microscope, equipped long working distance plan achromatic objectives and wide field eyepieces. The enable turning out or into condenser system working distance is longer and suited for observation in a high culture dish, can be used in phase-contrast microscopy. The Epi-fluorescence microscope system is adopted modularization function design idea, so that adjust the fluorescence illuminating system and switching-over fluorescence filters safely and quickly. This is a sort of ideal optical instrument for micro observation in cell tissue and transmitted liquid tissue, even in dynamic observation in the culture dish tissue, can be applied in the fluorescence microscopy, such as biological pharmacy, medicine checking and measure, disease prevent and etc.

XDY-1
倒置荧光显微镜
INVERTED FLUORESCENCE
MICROSCOPE

技术规格 Specification

目镜 Eyepiece	大视野 WF10X (视场数Φ20mm) Wide field WF10X(field number:Φ20mm)			
	对中望远镜 Centering telescope			
平场消色差物镜 Plan achromatic objective	物镜 Objective	PLL 10X0.25 盖玻片厚度 Cover glass thickness: 1.2mm.		
		PLL 25X0.40 盖玻片厚度 Cover glass thickness: 1.2mm.		
		PLL 40X0.60 盖玻片厚度 Cover glass thickness: 1.2mm.		
	相衬物镜 Phase Contrast Objective	PLL 10X0.25 PHP2 盖玻片厚度 Cover glass thickness: 1.2mm.		
		PLL 25X0.40 PHP2 盖玻片厚度 Cover glass thickness: 1.2mm.		
		PLL 40X0.60 PHP2 盖玻片厚度 Cover glass thickness: 1.2mm.		
目镜筒 Eyepieces tube	三目镜, 30°倾斜 Trinocular, Inclination 30°			
落射荧光照明系统 EPI-fluorescence illumination system	电源箱 Power supply unit			
	汞灯 Mercury lamp: 100W/DC			
	荧光滤色片组 Fluorescence filters			
	组别 Group	类型 Type	激发片波长 Wavelength of excitation light	发射片波长 Wavelength of emitted light
	紫外+紫(UV+V)	Ultraviolet light (UV)	330nm~400nm	425nm
		Violet light (V)	395nm~415nm	455nm
蓝+绿(B+G)	Blue light (B)	420nm~485nm	515nm	
	Green light (G)	460nm~550nm	590nm	
调焦机构 Focus system	粗微动同轴, 带锁紧和限位装置, 微动格值: 2 μm. Coaxial coarse/fine focus with tension adjustable and up stop, minimum division of fine focusing: 2 μm.			
转换器 Nosepiece	五孔转换器 Quintuple nosepiece			
载物台 Stage	固定载物台尺寸: 224mmX208mm. Fixed stage size: 224mmX208mm			
	机械式移动尺寸, 移动范围: 纵向 79mm, 横向112mm Mechanical moving device, moving range: 79mm (longitudinal)X112mm (transverse)			
	培养皿托板一 Culture dish holder 1	内槽尺寸: 86mm (宽)X129.5mm (长), 可适配圆形培养皿Φ87.5mm Inside locating slot size: 86mm (W)X129.5mm (L), optional with a circular culture dish Φ87.5mm		
	培养皿托板二 Culture dish holder 2	内槽尺寸: 34mm (宽)X77.5mm (长), 可适配圆形培养皿Φ68.5mm Inside locating slot size: 34mm (W)X77.5mm (L), optional with a circular culture dish Φ68.5mm		
透射照明系统 Transmitted illumination system	转盘式相衬离聚光镜, 工作距离50mm Turnplate phase contrast condenser, working distance: 50mm			
	6V30W卤素灯, 亮度可调 6V30W halogen lamp, brightness adjustable			
	磨砂玻璃, 蓝、绿滤色片 Frosted glass and blue, green filter			
选配件 Optional Accessory	目镜 Eyepiece	分划目镜 Dividing eyepiece 10X (Φ20mm)		
	CCD接头 CCD adapter	0.5X、1X、0.5X带分划 (with dividing)		
	摄像仪 Camera	USB输出: 130/300/500/900万像素 USB output: 1.3M/3.0M/5.0M/9.0Mpixel VIDEO输出: 380/520 电视线 VIDEO output: 380/520 TV Line		
	数码相机接头 Digital camera adapter	CANON (EF) NIKON (F)		