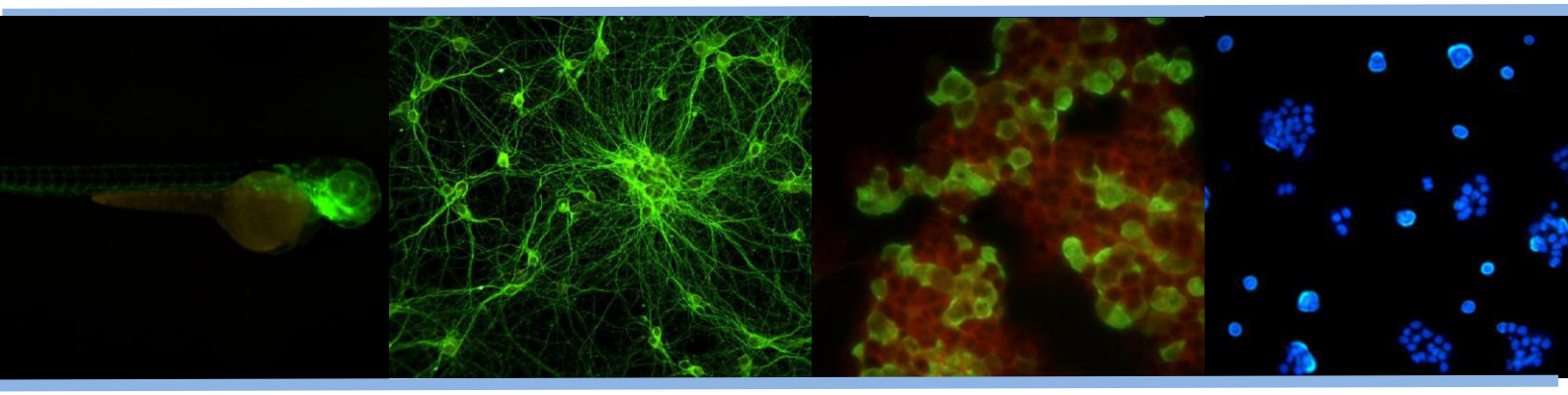
LED Fluorescence Illumination

High efficiency, Safe, Cost effective

Mshot LED fluorescence illuminations are design to upgrade conventional optical microscopes to fluorescence functional, it takes use of LED lamp to instead of mercury lamp.

3 Series for different type microscopes

Quicker fluorescence, Less Cost



Fit to Olympus, Nikon, Leica, Zeiss

MF Series

For upright biological microscopes

Item: MF-LED

Fit microscopes
Olympus CX22/23/31/41,BX31/41
Nikon E100/200/Eclipse
Leica DM500/750
Zeiss PrimoStar

2 positions :One position for fluorescent filter, another position is blank for bright field

Slider transfer

Filter sets: blue/Royal blue/Green/Violet

Filter: UV

4 positions :Three positions for fluorescent filter, one position is blank for bright field

Slider transfer

Filter sets:
Two colors a group - blue & green / royal blue & green/ blue & UV/ green &UV/ royal blue&UV
Three colors a group - blue & green & UV / royal blue & green & UV

4 positions :Three positions for fluorescent filter, one position is blank for bright field

Wheel transfer

Filter sets: blue & green & Violet & UV

MZX Series

For stereo microscopes

Item: MZX-LED

Fit microscopes
Olympus SZX
Leica M
Zeiss Stemi

3 positions

(Two positions for fluorescent filter, one position is blank for bright field)

Wheel transfer

Filter sets: GFP / blue & green/ GFP & green

MI Series

For Inverted microscopes

Item: MI-LED

Fit microscopes

Olympus CKX41 & CKX53

2 positions

(One position for fluorescent filter, another position is blank for bright field)

Slider transfer

Filter sets: blue & green

3 positions

(Two position for fluorescent filter, one position is blank for bright field)

Slider transfer

Filter sets: blue & green & UV

Specifications

Series	MF				
Filter	Blue	Royal blue	Green	Violet	UV
Excitation	460~490nm	420~480nm	510~550nm	395~415nm	330~380nm
Dichroic	>510nm	>500nm	>570nm	>420nm	>400nm
Emission	>520nm	>510nm	>590nm	>440nm	>420nm
LED power	3W	3W	3W	3W	5W
LED lamp	1	1	1	1	1
Filter holder	Slider				
Brightness	Continues adjustable				

Series	MZX		
Filter	Blue	Green	GFP
Excitation	460~490nm	510~550nm	460~490nm
Dichroic	>510nm	>570nm	>505nm
Emission	>520nm	>590nm	510-550nm
LED power	3W	3W	3W
LED lamps	2	2	2
Filter holder	Wheel		
Brightness	Continues adjustable		

Series	MI		
Filter	Blue	Green	UV
Excitation	460~490nm	510~550nm	460~490nm
Dichroic	>510nm	>570nm	>505nm
Emission	>520nm	>590nm	510-550nm
LED power	3W	3W	3W
LED lamp	1	1	1
Filter holder	Slider		
Brightness	Continues adjustable		

Optional higher grade filters

Filter	Blue band pass	Royal blue HQ	Green band pass
Excitation	475/40nm	450/50nm	525/45nm
Dichroic	500nmLP	485nmDC	560LP
Emission	535/45nm	>495nmLP	595/60nm

Recommend applications

Filter	Suitable see fluorochrome
Blue	GFP /FITC /EGFP/ Malaria diagnostic/ Alexa 488 / Cy2@ / Fluo-4 / FluorX@ / Fluoro-Jade
Royal blue	Auramine O (TB diagnostic)
Green	PI / EB / EH/ part of rhodamine
UV	DAPI / Hoechst 33342&33258 / AMCA/AMCA-X / Alexa 350
GFP	GFP

* More fluorohrome applications please consider Chroma website
https://www.chroma.com/products/fluorochrome

www.m-shot.com | sales@m-shot.com