

## Fluorescent Microscope-Widefield Systems for Live Cell Imaging

**Manufacturer: Leica**

**Model: AF6000**

### Descriptions:

The Leica AF6000 systems offer full flexibility to adapt to your changing needs. You will benefit from the utmost reliability and convenience, regardless of the modules and components you select to configure an individual system. As many of the system components are designed and developed by Leica Microsystems, we offer unparalleled automation control due to complete integration of our hardware within the software platform. Add a control unit to convert the system into a high-speed live cell imaging work station with full real-time control. Leica Microsystems' technical experts perform the upgrade on site at your facility, minimizing system downtime.

### Hardware Specifications

<b>SuperZ Galvo z-positioner</b>	
travel range	250 µm
step size	61 nm
<b>Leica EL6000 External light source</b>	
lamp	HXP 120 W 45C VIS (Osram), Metal Halogenide bulb
light intensity	3.5 W (with IR filter, at the end of light guide)
life time	average 2000 h
shutter time	6 ms
<b>Leica External Filter Wheels</b>	
Excitation, emission and attenuation filter wheels	
filter positions	5
switching time	27 ms between adjacent positions 36 ms for maximum position distance
<b>Incubator BL/Incubator BL TIRF</b>	
temperature min.	3° C above room temperature
temperature max.	20° C above room temperature
control accuracy	+/- 0.1° C at sensor
step size	0.1° C

