

FM - 3000

Fluorescent Microscope



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

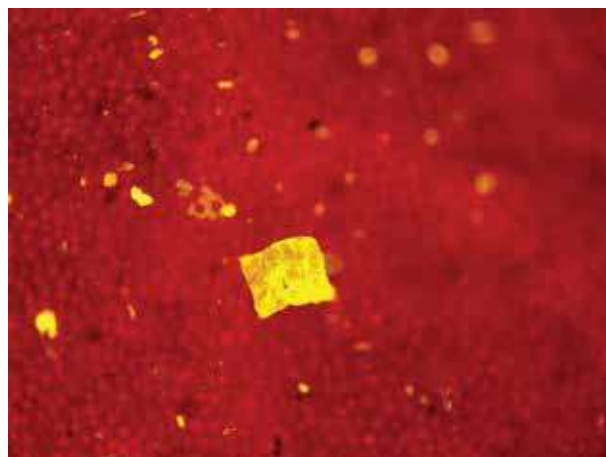
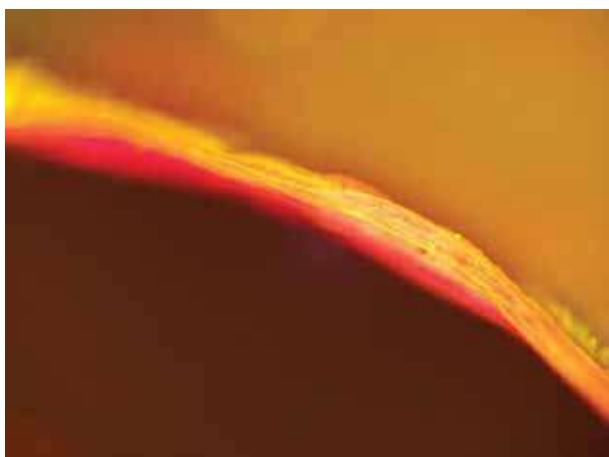
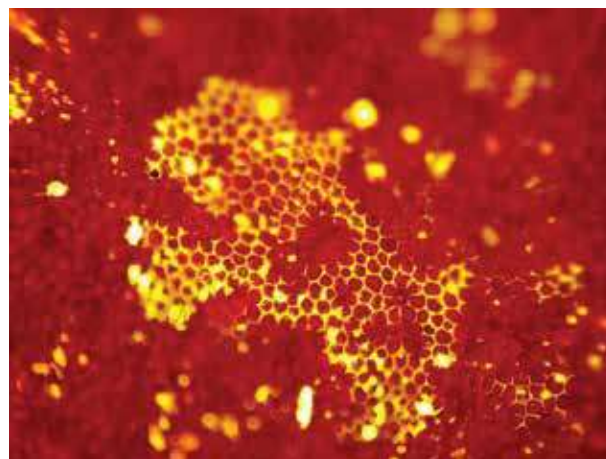
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►► PRODUCT INTRODUCTION

FM 3000, EPI-Fluorescent Microscope is used for fluorescence microscopy and transmitted field observation. It is equipped with chromatic aberration infinity plan achromatic fluorescent objectives & wide field eyepieces, has clear picture & wide view field. The transmitted and Epi-fluorescent illumination light source are high power & brightness LED, but power consumption is lower and use life longer, very good radiating heat effect. Safely and comfortably using the instrument, the cost of use and maintenance are lower. It is the ideal instrument in biology, cytology, oncology, genetics, immunology etc. It also can be used in scientific research, universities, medical treatment, epidemic prevention etc.

Name	Excitation filter (nm)	Dichroic mirror cut-off (nm)	Emission filter (nm)
B (Blue)	420 ~ 485	505	515
G (Green)	460 ~ 550	570	590
V (Violet) optional	395 ~ 415	440	455
UV (Ultraviolet) optional	330 ~ 400	415	425



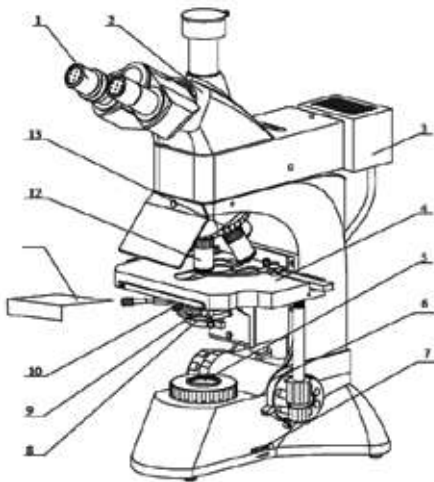
►► FEATURES

- Adopt infinity optical system and modular function design.
- Equipped with infinity plan achromatic fluorescent objectives, enable obtain clearer and brighter image.
- Wide-field plan eyepieces: field number $\Phi 22\text{mm}$.
- Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: $2\mu\text{m}$
- Transmitted illumination: 3W high brightness white LED, brightness adjustable.
- Epi-illumination: 3W high brightness monochromatic LED, enable changing for different wave length LED, but the brightness can't be adjustable.
- Trinocular can be used in observing from eyepieces and micro photography in 100% light flux, suits for low illuminance micro photography.

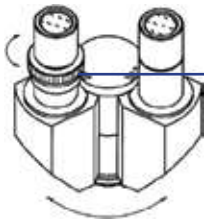
TECHNICAL SPECIFICATIONS:

Stand	Stable & Sturdy, corrosion resistant. Anti-fungal mould treated, single mold modular stand
View Body	30° Inclined Siedentopf Binocular/Trinocular tubes, 360° rotatable with IPD 53-75 mm and diopticadjustment
Eyepiece	WF 10x/22mm with Eye-guards. Anti-fungal mould treated
Nosepiece	Quadruple Reverse angle nosepiece
Objectives	FL Series Fluorescent Plan Objectives, anti-fungal mould treated 4x/NA0.10, 10x/NA0.25, 40x/NA 0.65 (spring loaded), 100x/NA1.25 (spring loaded & oil)
Stage	Double layer mechanical stage 210mm x 140mm, range of motion 75mm x 50mm. Integrated mechanicalstage with vernier, low-position coaxial control knobs
Focus Mechanism	Adjustable tension control to prohibit drift and adjustable up-stop to protect slides, slide glass andobjective lens; Coaxial coarse and fine adjustments with dial marking at $2\mu\text{m}$ increments
Condenser	N.A. 1.25 Abbe condenser with Iris diaphragm, rack and pinion focusing
Illumination / Reflected Fluorescence System	3W high brightness white LED, brightness adjustable 3W blue Led (460/470nm), with blue fluorescent filter system. Brightness not adjustable
Power	Input 110-240V 50/60Hz
Packaging	Packed in molded Styrofoam box with: Operation Manual, Cleaning Cloth and Dust Cover
Accessories	Orange color plastic screen for protection against UV light, Power code, Spare fuses, Immersion Oil

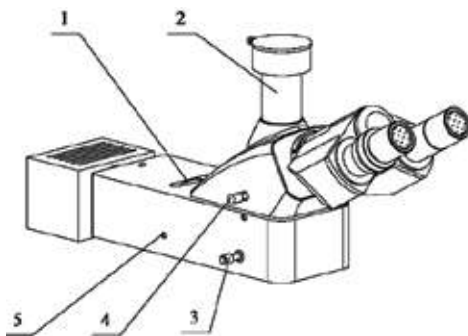
The Microscope, the precision instrument has been designed to require a minimum of optical and mechanical maintenance. Its excellent design assures years of high quality, reliable service.



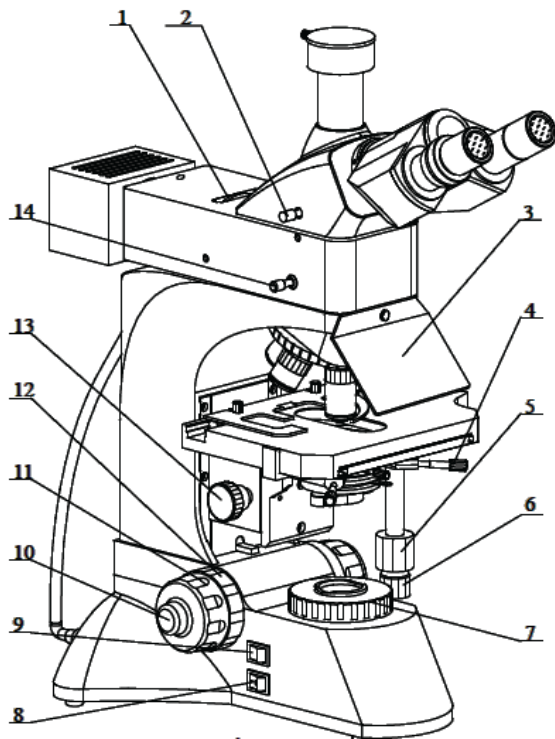
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|----------------------------|-----------------------------|
| 1. Eyepieces | 8. Attachment Lens |
| 2. Trinocular Head | 9. Condenser Iris Diaphragm |
| 3. LED lamp box | 10. Condenser Set Screw |
| 4. Stage | 11. Light guard |
| 5. Filter Seat | 12. Objective |
| 6. Up Stop | 13. Nosepiece |
| 7. Brightness Control Knob | (Transmitted Illumination) |



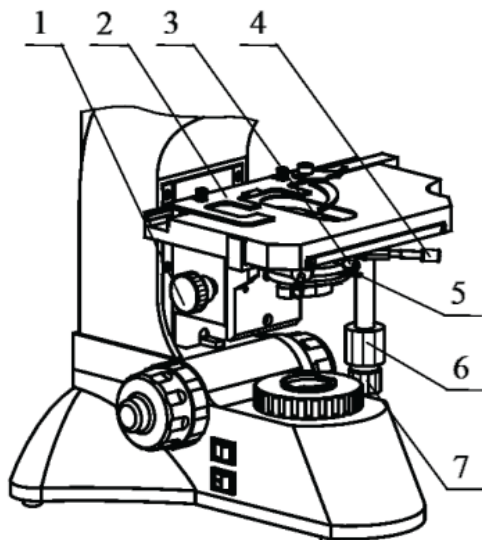
Dioptic Adjustment Ring



- | |
|--|
| 1. Field Diaphragm
Adjustment Knob |
| 2. Camera Port |
| 3. Push Rod to
Transmitted or Reflecte |
| 4. Push Rod to Direct
Image to Binocular
Eyepieces/Camera Port |
| Compensator |
| 5. Field Diaphragm
Centering Screw |



1. Field Diaphragm Adjustment Knob
2. Push Rod to Direct Image to Eyepieces or Camera Port
3. Baffle (Orange Screen Guard)
4. Condenser Centering Screw
5. Longitudinal Adjustment Knob
6. Transverse Adjustment Knob
7. Field Iris Diaphragm
8. External Power Switch
9. Transmitted / Reflection Illumination Toggle Switch
10. Fine Focus Control Knob
11. Coarse Focus Control Knob
12. Focus Tensional Adjustment Knob
13. Substage Adjustment Knob
14. Push Rod to Transmitted or Reflected



1. Substage Adjustment Knob
2. Slide Holder
3. Condenser Set Screw
4. Condenser Centering Screw
5. Iris Diaphragm Control Lever
6. Longitudinal Adjustment Knob
7. Transverse Adjustment Knob

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HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

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Spectrophotometer



Liquid Particle
Counter



Optical Emission
Spectrophotometer



DSC/TGA



Semi Auto Bio
Chemistry Analyzer



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Hematology
Analyzer



Micro Plate
Reader/Washer



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system

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