With the FM-SERIES fluorescence microscope, WESWOX is once again setting new standards in medical and biological research fields covering the whole range of applications from the most simple routine examination to fully automatic, software-controlled multi-parameter fluorescence analysis.

With WESWOX FM-SERIES, microscope operations become secondary to your investigations. Viewing your material examinations in the best light is our top priority.
TRINOCULAR FLUORESCENCE RESEARCH MICROSCOPE

FM-2000

- **MECHANICAL BODY**: Single mold sturdy stand with anti-rust materials. Extended base for better stability.
- **TRINOCULAR OBSERVATION HEAD**: TRINOCULAR observation head inclined at 40° and 360° rotatable. Diopter adjustment ring on ocular tube interpupillary distance from 55 to 75mm. The light path selector lever directs either 100% to Binocular or 80% to the vertical photo tube & 20% to Binocular Head.
- **EYE PIECES**: WF10x (PAIRED) FOV 22mm, anti-fungal.
- **NOSEPIECE**: Reverse angle quadruple nosepiece revolves on ball bearing with positive indexing. Soft rubber knurled grip on nosepiece.
- **OBJECTIVES INFINITY CORRECTED**:• CIS Fluorescence objective 4x
• CIS Fluorescence objective 10x
• CIS Fluorescence objective 40x (SL)
• CIS Fluorescence objective 100x (SL) Oil Immersion.
- **MECHANICAL STAGE**: Mechanical stage with Size 135mmx142mm, supported on ball bearing guideways and having low positioned co-axial controls for stage movement.
- **CONDENSER**: A chromatic aplanatic condenser N A 1.3.
- **FOCUSING**: Co-axial focusing control with ball bearing guideways & large knobs, pre focusing lever & tension adjustment ring and rubber tubes for excellent grip. The slow motion has 1DIV = 0.002mm.
- **ILLUMINATION**: Built-in base illumination system incorporates 6V/30W halogen Tungsten bulb, AMPS and intensity Control knob. The system is based on Koehler’s principle.
- **MAGNIFICATION**: 40X-1600X
- **FILTER**: B Excitation (400NM-490NM) Standard
C Excitation (510NM-550NM) Standard
- **LIGHT SOURCE**: 1. Transmitted 6V/30W Tungsten Halogen bulb.
2. Epi-Fluorescence source 100W high pressure mercury lamp.
- **GLASS FILTER**: Yellow, Green, Blue, Grey.
- **OPTIONAL ACCESSORIES**: High pressured mercury vapour lamp. Halogen Lamp 6V/30W.

Technical Specifications

- **Backward nosepiece with superior objectives** make the best viewing effect and more space for the operation.
- **High precision focussing adjustment system and humanised configuration design** provides operator more comfort.

ISO 9001:2008 CERTIFIED
Technical Specifications

- **MECHANICAL BODY**: Single mold sturdy stand with anti rust materials. Extended base for better stability.

- **OBSERVATION HEAD**:
  - Siedentopf TRINOCULAR observation head inclined at 30º rotatable at 360º.
  - Interpupillary distance adjustable between 55-75mm.
  - Diopter adjustment ring on ocular provides correction for eye acuity.

- **EYEPieces**: Wide Field Eyepiece 10X (PAIRED) FOV 22mm

- **NOSEPICE**: Reverse angle quadruple nosepiece revolves on ball bearing with positive indexing. Soft rubber knurled grip on nosepiece.

- **OBJECTIVES INFINITY CORRECTED**
  - PL 4X/0.10 (Work distance) 19.8mm
  - PL 10X/0.25 (Work distance) 5.0mm
  - PL FL 40X/0.65 spring (Work distance) 0.70mm
  - PL 100X/1.25 (Spring, oil) Work distance 0.36mm

- **MECHANICAL STAGE**: Mechanical stage with Size 210mmx140mm, supported on ball bearing guideways and having low positioned co-axial controls for stage movement.

- **CONDENSER**: Sub stage Abbe condenser NA 0.9/0.25 having a spherical lens, adjustable iris diaphragm and swing out filter holder.

- **FOCUSING**: Co-axial focusing control with ball bearing guideways & large knobs, pre focusing lever & tension adjustment ring. The slow motion has 1DIV = 0.002mm.

- **ILLUMINATION**:
  - **EPI FLUORESCENT ILLUMINATION SYSTEM**: 3W high brightness LED. Enable selecting monochromatic or bichromatic LED for light source, every monochromatic LED wave bend: Green(520nm-530nm), Blue (460nm-470nm)
  - **TRANSMITTED ILLUMINATION SYSTEM**: Blue filter and ground glass collector for LED illumination and integrated field diaphragm. 3W high brightness white LED, brightness adjustable.

**STANDARD ACCESSORIES**: STYRO FOAM Molded pack.

CERTIFIED ISO 9001:2008
**Microscope Accessories**

**HLM-6**

**WESWox Substage Microscope Lamp**
Workable on direct 220 volts AC Mains fitted with blue filter, Off/On switch and 15W Bulb.

**HLD-10**

**WESWox Double Demonstration Eyepiece**
Fitted with finest Prism. Beam splitting prism of optical glass two eyepieces, pointer covers the entire field, being visible both the viewers. Semimat black finish in velvet lined box.

**ML-1**

**WESWox Substage Microscope Lamp**
Workable on direct 220 volts AC Mains fitted with blue filter, Off/On switch and 15W Bulb.

**MS-1**

**WESWox Mechanical Stage**
Detachable for X & Y movement of slide with graduated scales & verniers can be easily fitted on the stage of our WESWox Microscopes or any other make microscope.

**SM-1**

**WESWox Substage Microscope Lamp**
Workable on direct 220 volts AC Mains fitted with blue filter, Off/On switch and 15W Bulb.

**HLP-3**

**WESWox Camera Lucida (Prism Type)**
Fitted with Finest Prism. Lehman optical glass Prism, specially designed hangs over the eyepiece tube for the microscope, the pencil on the graph is visible moving on the image of the specimen in the microscope and hence the image drawn on the graph is very compact in design.
Semimat Black Finish, in velvet lined box.

**HLM-6**

**WESWox Camera Lucida (Mirror Type)**
Fitted with Finest Prism. Consists of a Beam splitting prism of optical glass positional over the eyepiece of the microscope with a large size mirror swinging about the extension arm under which the image is drawn as in the above camera Lucida PRISM Type.
Semimat Black finish.
Packed in velvet lined box.

**HLD-10**

**WESWox Double Demonstration Eyepiece**
Fitted with finest Prism. Beam splitting prism of optical glass two eyepieces, pointer covers the entire field, being visible both the viewers. Semimat black finish in velvet lined box.
Designed for Superior Clarity!!

KeOWa Optics

- Anti-Reflection coated
- Anti-Fungus Treated
- Fully Parfocal
- Numerical Aperture ranging from 0.10 to 1.25
- Working Distance ranging from 16.00 mm to 0.14 mm
- Unique Feature - Individual adjustment through Parfocal
- Fully paired extra wide high Eyepoint Eyepieces

KeOWa

High Precision Microscope Optics

All Keowa Objectives are made from Japanese Technology perfected over the years.

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