

## Inverted Microscope



### INVERTED MICROSCOPE

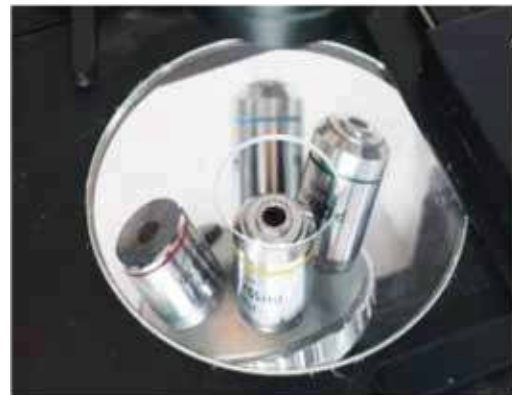
- Infinity Optical System Supply High Quality Optical image
- Infinity Phase Contrast System Included
- External Illumination, Halogen Lamp

| <b>IM-3121 Inverted Laboratory Biological Microscope</b> |   | <b>A</b>             | <b>B</b>                           |
|--|---|----------------------|------------------------------------|
| Optical System   | Infinity Optical System   |                      |                                    |
| Head   | Seidentopf Trinocular Head, 30° Inclined, Interpupillary 48~75mm, Diopter Adjustable                |                      |                                    |
| Eyepiece   | Extra Wide Field Eyepiece EW10x/22mm, High Eyepoint   |                      |                                    |
| Nosepiece  | Quintuple Nosepiece   |                      |                                    |
| Objective  | Infinity Plan LWD<br>Achromatic Objective   | 4x/0.1, W.D.18mm     | 40x/0.6, W.D.2.6mm,<br>Cover Glass |
|  | Infinity Plan Phase Contrast Achromatic Objective   | PH10x/0.25, W.D.10mm | PH20x/0.40, W.D.5.1mm              |
| Focusing   | Coaxial Coarse & Fine Adjustment, Coarse Stroke 37.7mm Per Rotation, Fine Stroke 0.2mm Per Rotation |                      |                                    |
| Working Stage  | --Plain Stage 160*250mm   |                      |                                    |
| Condenser  | ELWD Condenser N.A.0.3, Long Working Distance 72mm, Up to 150mm Without Condenser                   |                      |                                    |
| Phase Contrast   | --Centering Telescope, Tube Dia.30mm  |                      |                                    |
| Filter   | Green, Blue, Ground Glass, Dia.45mm   |                      |                                    |
| Illumination   | External Kohler Illumination, Halogen Lamp 6V30W, Brightness Adjustable                             |                      |                                    |

| <b>IM-3121 Inverted Laboratory Biological Microscope Optional Accessories</b> |   |                      |             |
|---|---|----------------------|-------------|
| Objective   | Infinity Plan LWD<br>Achromatic<br>Objective                            | 10x/0.25,W.D.10mm    | A5M.2633-40 |
|   |   | 20x/0.4,W.D.5.1mm    | A5M.1031-20 |
| Phase<br>Contrast   | Infinity Plan   | PH40x/0.6,W.D.0.35mm | A5C.1023-40 |
|   | Phase Contrast Slide, 3 Holes For 10x-20x-40x Objective                 |                      | A5C.1013-3  |
| Working<br>Stage  | Attachable Mechanical Stage, X-Y Coaxial Control, Moving Range 120*78mm |                      | A54.1006-XY |
|   | Terasaki Holder   |                      | A54.1006-T  |
|   | Petri Dish Holder Dia.38mm  |                      | A54.1006-38 |
|   | Slide Glass Holder Dia.54mm   |                      | A54.1006-54 |
|   | Slide Glass Holder Dia.90mm   |                      | A54.1006-90 |
| Adapter   | Photo Adapter   |                      | A55.1001    |
|   | C-Mount 1.0x  |                      | A55.1002-10 |
|   | C-Mount 0.5x  |                      | A55.1002-05 |
| Fluorescent   | Fluorescent Attachment, Upgrade to A16.1023                             |                      | A5F.1003    |

## WORKING STAGE

Plain Stage 160\*250mm Glass Insert Plate  
 Auxiliary Stage 70\*180mm



## FOCUSING

Low position, coaxial coarse & fine Adjustment,  
 Coarse Stroke 37.7mm Per Rotation, Fine Stroke  
 0.2mm Per Rotation



## ILLUMINATION

External Kohler Illumination, Halogen Lamp  
 6V30W, Brightness Adjustable with Phase  
 Contrast Annular Plate 10x, 20x, 40x.

## INVERTED BIOLOGICAL MICROSCOPE

- LWD Infinity Plan/Plan Phase Contrast Objective
- Transmit Illumination, 6V30W Halogen Lamp, Koehler Illumination
- Wide Field Eyepiece WF10x, View Field Up To  $\Phi$ 22mm

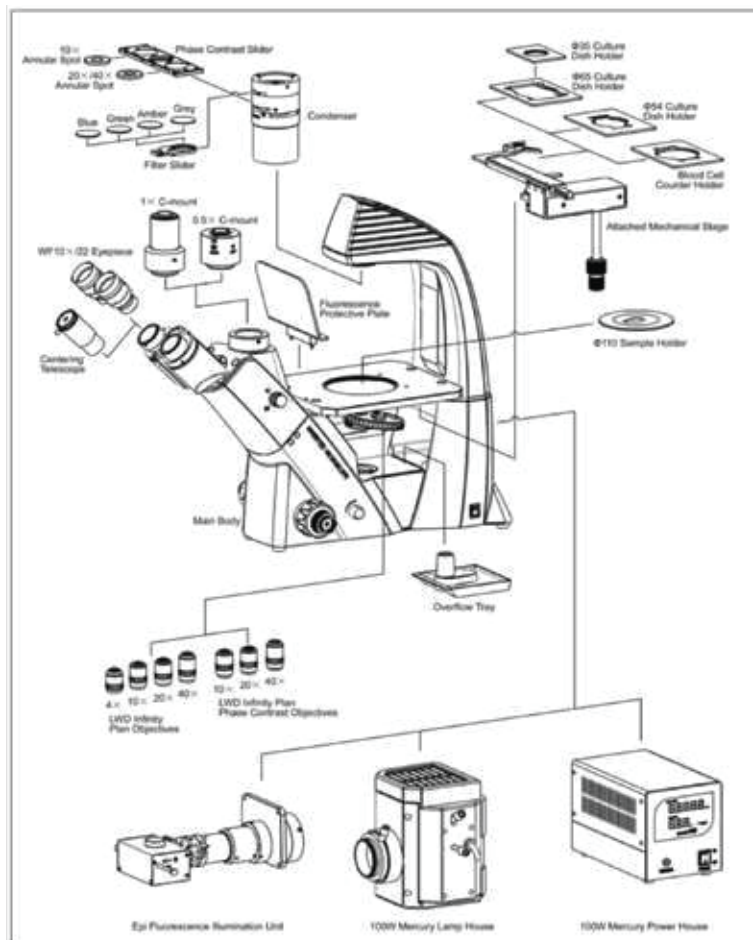


### IM-3263 Inverted Microscope Specification

|                |  |
|----------------|--|
| Head           | Seidentopf Trinocular Head, Inclined 45°, Interpupillary Distance 48~76mm  |
|                | Light Split (Both) 100:0 and 80:20   |
| Eyepiece       | WF10x/22mm, Diopter Adjustable   |
| Nosepiece      | Large Diameter Quintuple   |
| Objective      | <b>LWD Infinity Plan Objective</b>   |
|                | LPL10x/0.25 WD=8.3mm   |
|                | LPL20x/0.40 WD=7.2mm   |
|                | LPL40x/0.60 WD=3.4mm   |
|                | <b>LWD Infinity Plan Phase Contrast Objective</b>  |
|                | 20x/0.40 WD=7.2mm  |
| Focus System   | Low Position, Coaxial Coarse & Fine Focusing System, Coarse Stroke 42mm /Rotation, Fine Stroke 0.2mm /Rotation, Minimum Reading 2 $\mu$ m  |
| Stage          | Mechanical Stage Size 210x241mm, Round Slide Size Dia.118mm, With Attachable Mechanical Stage For 96 Holes Plate, Moving Range 128x80mm, With Culture Dish Holder 54mm, Knob Can Be Changed By Left Or Right |
| Condenser      | Long Working Distance, N.A.0.3, Working Distance 72mm (With Condenser),195mm (Without Condenser For Extra High Culture Dish), Quickly Detachable   |
| Phase Contrast | Phase Contrast Annular Plate For 20x/40x   |
| Filter         | Blue, Green  |
| Light Source   | Transmit Light, Halogen 6V30W, Koehler Illumination  |
| Power Supply   | Wide Range Voltage 110~240V  |

| <b>Optional Accessories</b> |   | <b>Item No.</b> |
|-----------------------------|---|-----------------|
| Eyepiece                    | WF15x/16mm  | A51.2621-15A    |
|                             | 10x Reticle Eyepiece (0.1mm)  | A51.2605-10     |
| Objective                   | Infinity LWD Plan Objective LPL4x/0.11, WD=12.1mm   | A52.2609-4A     |
|                             | Infinity Plan Phase Contrast Objective 10x/0.25 W.D.=8.3 mm   | A5C.2630-10A    |
|                             | Infinity Plan Phase Contrast Objective 40x/0.60 W.D.=3.4mm  | A5C.2630-40A    |
| Phase Contrast              | Centering Telescope   | A5C.2610-B      |
|                             | Phase Contrast Annular Plate For 10x  | A5C.2611-10     |
| Filter                      | Amber   | A56.2616-A      |
|                             | Grey  | A56.2616-N      |
| Culture Dish Holder         | 65mm  | A54.2606-65     |
|                             | 35mm  | A54.2606-35     |
| Adapter                     | C-Mount Adapter 0.5x (Focus Adjustable)   | A55.2601-05A    |
|                             | C-Mount Adapter 1.0x  | A55.2601-10     |
| Fluorescence                | Upgrade To A16.2613 Fluorescent Microscope by:<br>--Epi Fluorescence Unit, Field Diaphragm, Center Adjustable<br>--100W Mercury Lamp<br>--Digital Mercury Lamp Power Box, Input Voltage:100~240V<br>--Fluorescent Filter B, G | A5F.2601-A      |

**IM-3263 Inverted Biological Microscope General Layout Diagram:**



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