



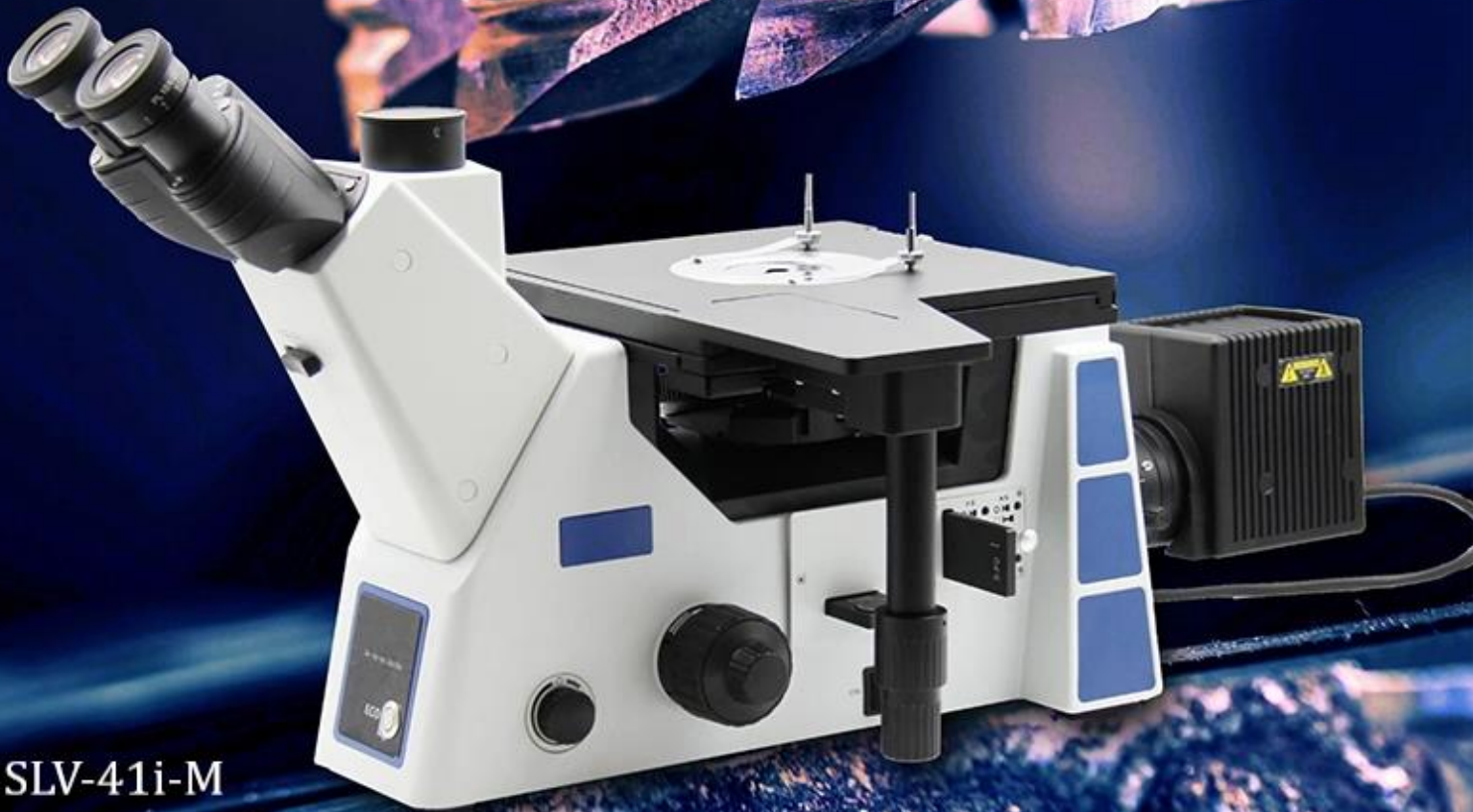
LABMICRO

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Inverted Metallurgical Microscope, BF,DF,DIC,PL,ECO,Semi-APO



SLV-41i-M

 Shop No.1, Basement floor, Best Apartments, Dr. Arunachalam Road, 5th Stage BEML Layout,
Rajarajeshwari Nagar, Bengaluru - 560 098

LABMICRO SLV-41i Series Inverted Microscope, is research level lab inverted microscope, combined Bright Field, Dark Field, Phase Contrast, Fluorescent, DIC, Semi-APO optical system, designed for laboratory biological research, or industry metallurgical & geography research. It has front view information screen which can show brightness, objective & fluorescent filters condition without checking inside of the microscope, make your work in dark room easier.

This series has 3 models :

SLV-41i- Biological Inverted Microscope, With BF, PH View

SLV-41i-FL - Fluorescent Inverted Microscope, With BF, PH, FL View

SLV-41i-M - Metallurgical Inverted Microscope, With BF, DF, PL, DIC View

SLV-41i-M Metallurgical Inverted Microscope

- * Inverted Metallurgical Microscope Reflect Halogen 12V100W
- * Infinity Plan LWD BF/DF DIC 5x,10x,20x Semi-APOFL50x, 100x
- * Quintuple Nosepiece with DIC slot, DIC Slide Optional
- * 3 Layer Mechanical Stage 240x250mm/ Moving 50x50mm
- * Polarizer & 360° Analyzer, Brightness Indicator & ECO Function



SLV-41i Biological Inverted Microscope

- Infinity Color Corrected Optical System + Positive Phase Contrast
- Plan WF10x/22mm, Diopter Adjustable, High Eye-point
- Infinity LWD Plan Achromatic Objective 4x/10x/40x & Phase Contrast 20x
- Phase Contrast Filter & Centering Telescope
- 5W LED With Light Indicator, With ECO Auto On/Off Function



SLV-41i-FL Fluorescent Inverted Microscope

- Inverted Fluorescent Microscope BF+PH+FL Semi-APO Optical System
- LWD Infinity Plan Fluorescent 4x10x, LWD Infinity Plan Semi-APO 20x40x
- Working Stage 215x250mm, Attachable Stage Moving Range 120x78mm
- LWD Condenser N.A.0.3, W.D.78mm, Phase Contrast Slide
- Reflect Fluorescent LED 3 Bands, Fluorescent Filter B,G,U,UV Available



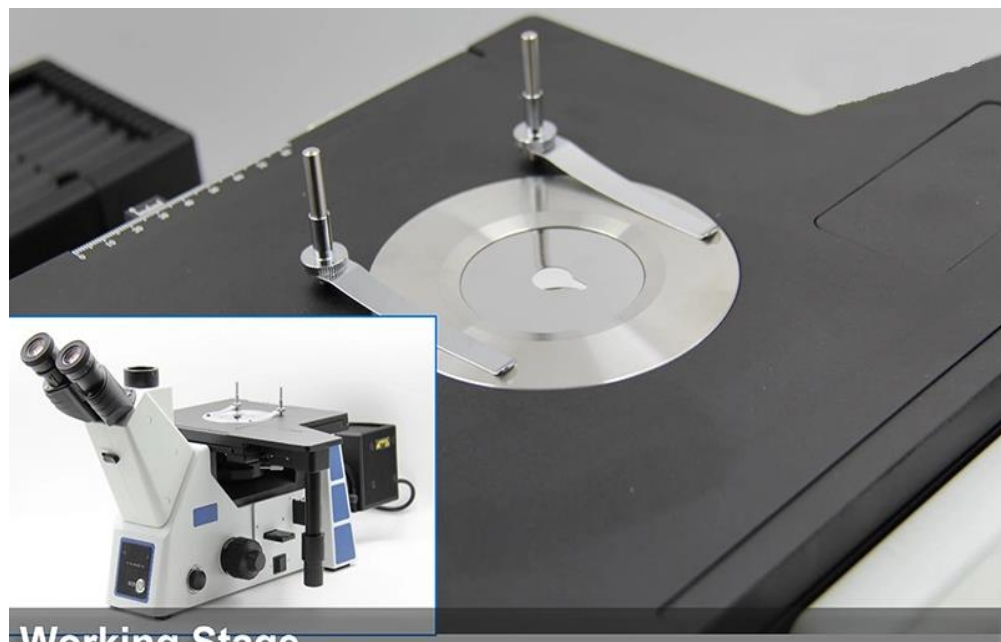
Head

Trinocular head, 45° inclined, 360° rotatable, IPD 50-75mm, light split ratio 100:0/0:100 switchable



Eyepiece

Wide field plan PL10x/22mm, high point, diopter adjustable.
Optional: PL10x/22mm with reticle, PL15x/16mm



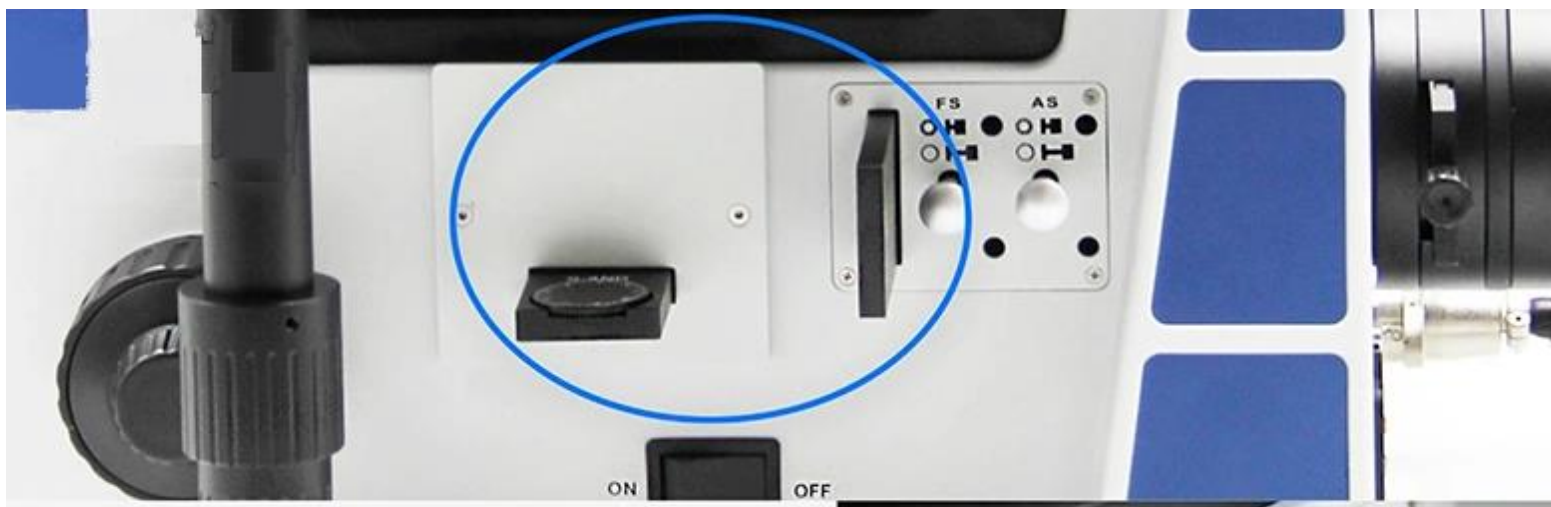
Working Stage

Three-layer mechanical stage, size 240x250mm, moving range 50x50mm, both way linear guide rail, right hand controls, low position, metal round plate, hole dia.25mm(Optional dia12mm)



BF/DF, DIC, Semi-APO Objective

Infinity LWD BD DIC plan metallurgical DIC: 5x/0.15 W.D.11mm, 10x/0.3 W.D.9.5mm, 20x/0.45 W.D.3.4mm
 Infinity LWD BD Semi-APO plan metallurgical FL 50x/0.55 W.D.7.5mm, (Optional FL 100x/0.8 W.D.2.1mm)



Polarizing

Polarizer & 360° Analyzer for reflect light source



Filter Slider And Dust Proof
Slide for polarizing slot and dust proof slide for DIC slot



BF/DF Shifter
BF/DF shifter lever on left side of main body

DIC Slot & Slide

Bright/dark field quintuple nosepiece with DIC slot, DIC slider(optional)



Coded Nosepiece

Coded BD quintuple with DIC slot, show objective on front panel



ECO
ECO auto on/off function switch and light indicator





LABMICRO®



SLV-41i



SLV-41i-FL



SLV-41i-M

TECHNICAL SPECIFICATION

| SLV-41i Biological, SLV-41i-FL Fluorescent, SLV-41i-M Metallurgical Series Inverted Microscope | | SLV-41i Biological | SLV-41i-FL Fluorescent | SLV-41i-M Metallurgical |
|---|--|---------------------------|-------------------------------|--------------------------------|
| Observation Method | Bright Field | • | • | • |
| | Phase Contrast | • | • | - |
| | Fluorescent | - | • | - |
| | Dark Field (with BF/DF Shifter) | - | - | • |
| | Polarizing | - | - | • |
| | DIC | - | - | • |
| Head | Trinocular Head, 45° Inclined, 360° Rotatable, IPD 50-75mm, Light Split Ratio 50:50 | • | - | - |
| | Trinocular Head, 45° Inclined, 360° Rotatable, IPD 50-75mm, Light Split Ratio 100:0/0:100 Switchable | - | • | • |
| Eyepiece | Wide Field Plan PL10x/22mm, High Point, Diopter Adjustable | • | • | • |
| | Wide Field Plan PL10x/22mm, High Point, Diopter Adjustable With Reticle | ○ | ○ | ○ |
| | Wide Field Plan PL15x/16mm, High Point, Diopter Adjustable | ○ | ○ | ○ |
| Nosepiece | Quintuple | • | • | |
| | Coded BD Quintuple With DIC Slot, Show Objective On Front Panel | - | - | • |
| Objective | Infinity LWD Plan Achromatic 4x/0.10, W.D.22mm, Cover Glass 1.2mm | • | ○ | - |
| | Infinity LWD Plan Achromatic 10x/0.25, W.D.7.94mm, Cover Glass 1.2mm | • | ○ | - |
| | Infinity LWD Plan Achromatic 20x/0.50, W.D.7.66mm, Cover Glass 1.2mm | ○ | ○ | - |
| | Infinity LWD Plan Achromatic 40x/0.60, W.D.3.71mm, Cover Glass 1.2mm | • | ○ | - |
| | Infinity LWD Plan Achromatic 60x/0.70, W.D.2.50mm, Cover Glass 1.2mm | ○ | ○ | - |
| | Infinity LWD Positive Phase Contrast 4x/0.13 WD=10.75mm | ○ | ○ | - |
| | Infinity LWD Positive Phase Contrast 10x/0.25 WD=7.45mm | ○ | ○ | - |
| | Infinity LWD Positive Phase Contrast 20x/0.40 WD=6.92mm | • | ○ | - |
| | Infinity LWD Positive Phase Contrast 40x/0.65 WD=2.74mm | ○ | ○ | - |
| | Infinity LWD Plan Fluorescent LWDPL4x/0.13, W.D.18.52mm | - | • | - |
| | Infinity LWD Plan Fluorescent LWDPL10x/0.3, W.D.7.11mm | - | • | - |
| | Infinity LWD Plan Fluorescent LWDPL20x/0.45, W.D.5.91mm | - | ○ | - |
| | Infinity LWD Plan Fluorescent LWDPL40x/0.65, W.D.1.61mm | - | ○ | - |
| | Infinity LWD Plan Fluorescent LWDPL60x/0.75, W.D.1.04mm | - | ○ | - |

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|----------------------------------|---|---|---|---|
| | Infinity LWD Plan Semi-APO Phase Contrast & Fluorescent LWDPL20x/0.45 W.D.5.91mm | - | ● | - |
| | Infinity LWD Plan Semi-APO Phase Contrast & Fluorescent LWDPL40x/0.65 W.D.1.61mm | - | ● | - |
| | Infinity LWD BD DIC Plan Metallurgical DIC-5x/0.15 W.D.11mm | - | - | ● |
| | Infinity LWD BD DIC Plan Metallurgical DIC-10x/0.3 W.D.9.5mm | - | - | ● |
| | Infinity LWD BD DIC Plan Metallurgical DIC-20x/0.45 W.D.3.4mm | - | - | ● |
| | Infinity LWD BD Semi-APO Plan Metallurgical FL50x/0.55 W.D.7.5mm | - | - | ● |
| | Infinity LWD BD Semi-APO Plan Metallurgical FL100x/0.8 W.D.2.1mm | - | - | ○ |
| Focusing | Coaxial Coarse & Fine Focusing, With Tension Adjustment Ring, Coarse Focusing Range 9mm, Up 6.5mm + Down 2.5mm, Fine Focusing Precision 0.002mm | ● | ● | ● |
| Working Stage | Three-Layer Mechanical Stage, Size 240x250mm, Moving Range 50x50mm, Bothway Linear Guide Rail, Right Hand Controls, Low Position | - | - | ● |
| | Fixed Working Stage, Size 215x250mm | ● | ● | - |
| | Attachable Mechanical Stage, Moving Range 120(X)x78(Y)mm | ○ | ● | - |
| | Stage Extension Plate | ○ | ● | - |
| | Glass Plate with Round Hole | ● | ● | - |
| | Metal Round Plate, Hole Dia.25mm | - | - | ● |
| | Metal Round Plate, Hole Dia.12mm | - | - | ○ |
| | Metal Plate with Kidney Hole | ● | ● | - |
| | Petri Dish Holder, Hole Dia.35mm | ● | ● | - |
| | Slides Holder, Hole Dia.54mm + 26.5x76.5mm | ○ | ● | - |
| | Teraseki Holder, Hole Dia.65mm + 56x81.5mm | ○ | ● | - |
| Condenser | LWD Condenser N.A. 0.30, W.D. 72mm, Dismountable, With Phase Contrast Slot | ● | ● | - |
| Phase Contrast | Centre-Adjustable Phase Contrast Slide Plate, For 4x10+20x40x Objectives | ● | ● | - |
| | Cantering Telescope Dia.30mm | ● | ● | - |
| Polarizing | Polarizer & 360° Analyzer | - | - | ● |
| DIC | DIC Slider | - | - | ○ |
| Transmit Light Source | 5W LED Illumination, Intensity Adjustable | ● | ● | - |
| | LBD Color Temperature Change Filter Dia.45mm | ● | ● | - |
| | IF550 Green Interference Filter Dia.45mm | ● | ● | - |
| Reflect Light | 12V100W Halogen Light Source, Brightness Adjustable | - | - | ● |
| Reflect Fluorescent Light Source | LED Fluorescent Lamp House, 4 Bands LED Switching By Servo Motor, Built-in LEDs For Fluorescent Filter 385nm, 470nm, 560nm. | - | ● | - |
| | 3 Bands Fluorescent Filter Switching Mechanism, Automatically Switch Filters & LED Light Together And Show Fluorescent Filter On Front Panel | - | ● | - |
| | Fluorescent Filter B1 470nm | - | ● | - |
| | Fluorescent Filter G1 560nm | - | ● | - |
| | Fluorescent Filter V1 410nm | - | ○ | - |
| | Fluorescent Filter UV1 385nm | - | ○ | - |

| | | | | |
|----------------|---|---|---|---|
| Main Body | Reflect and Transmit Frame Body | ● | ● | - |
| | Reflect Frame Body | - | - | ● |
| Front Panel | ECO Auto On/Off Function Switch | ● | ● | ● |
| | Light Indicator | ● | ● | ● |
| | Fluorescent Band Indicator | - | ● | - |
| | Objective Indicator, Work With Coded Nosepiece | - | - | ● |
| Power Supply | External Wide Voltage Transformer, Input 100-240V | ● | ● | ● |
| Camera Adapter | C-Mount 0.35x | ○ | ○ | ○ |
| | C-Mount 0.65x | ○ | ○ | ○ |
| | C-Mount 0.5x | ○ | ○ | ○ |
| | C-Mount 1.0x | ○ | ○ | ○ |
| Packing | Foam+Carton, 1pc/Carton, 68*67*47cm, G.W.21Kgs | ● | - | - |
| | Foam+Carton, 1pc/Carton, 74*67*57cm, G.W.24Kgs | - | ● | - |
| | Foam+Carton, 1pc/Carton, 49*51*73cm, G.W.22Kgs | - | - | ● |

Note: "●"In Table Is Standard Outfits,"○"Is Optional Accessories"- "Is Unavailable

