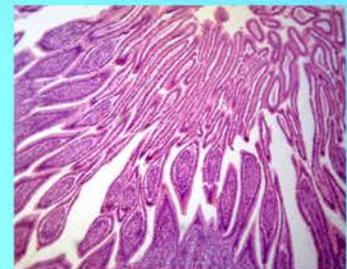
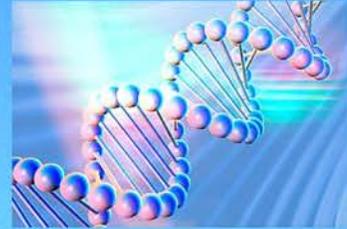




LABOMED, INC.

www.labomed.com
spectro@labomed.com



LB-1290 Compound Digital LCD Inverted Biological Microscope (12.0MP) with Infinite Optical System

Built-in 5 million-pixel digital camera, image data can be easily retained without external computers and other equipment, they can improve the efficiency of research and analysis.

9-inch digital LCD screen, high definition and bright colors, easy for people to share.

Large storage capacity, with SD card, print pictures instantly without being connected to PC.

Two kinds of observation modes, binocular eyepiece and LCD screen, which can meet different needs.

Combine the compound microscope, digital camera and LCD together.

Very good structure, easy for operation and professional for special use.



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Introduction

LB-1290 Digital LCD Inverted Biological Microscope has renovated the traditional way of microscopic observation and adopted a modern way of digital imaging. Our LCD Microscope can be used with both traditional eyepieces and an 8 inch LCD Screen for easy and comfortable viewing for yourself and to share with others. This patented microscope not only features high resolution of LCD display to generate genuine photo and video, but also features for quick and easy snapshots or short videos. This product integrates magnification, digital enlarge, imaging, display, capture photo and video, printing for easy exchange, store captured photos and clips on the optional SD card or transfer them to your personal computer via included USB cable. All of which achieve a more convenient and effective breakthrough. The LWD infinitive plan objectives make the viewing field flatter and brighter. With the contrast sharper, observing living cells is easier. It is available to observe low contrast or transparent specimens used by the pre-centerable phase annulus. It is convenient and is especially suitable for Viewing Incubating Cell Tissue.

Applications

LB-1290 is used by the medical and health units, universities, research institutes for the study of micro-organisms, cells, bacteria, tissue culture, suspended solids, sediments and other observations. It can continuously observe the growing and dividing process of cells and bacteria in the culture medium. It can also film and photograph the process. LM-1290 has very wide application in cytology, parasitology, oncology, immunology, genetic engineering, industrial microbiology, botany and other fields.

Technical Specifications

Digital Part

Pixel:	12 Megapixel
Photo Resolution:	2560X1920-1600X1200
Video Resolution:	640X480
Sensor Size:	1/2.5 Inches
LCD Screen:	9 Inches TFT Screen, Resolution is 800X 600
Video Output:	AV Output (NTSC/PAL)
Data Output:	USB2.0
Menu Language:	Chinese / English
Storage:	SD Card Slot with Optional Memory Cards (Maximal Storage Capacity is 4G)
Scene Mode:	Standard / Softness / Vivid
Exposure Mode:	Auto Exposure





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Additional Technical Specifications

Optical Parts

Viewing Head:	Compensation Free Binocular Head, Inclined at 30°, Interpupillary Distance 48-75mm
Eyepiece:	High-point, Extra Wide Field Eyepiece EW10×/ 22
Objective:	LWD Infinite Plan Objective, 4×/ 0.1,WD 18mm, 40×/ 0.6,WD 2.6mm
Infinite Plan Phase Objective:	PH10×/ 0.25,WD 10 mm, PH20×/ 0.4,WD 5.1mm
Nosepiece:	Quintuple Nosepiece
Condenser:	ELWD Condenser NA 0.3, LWD 72mm (Without Condenser 150mm)
Annulus:	10×-20×、40× Phase Annulus Plate
Stage:	Plain Stage 160×250mm, Auxiliary Stages 70×180mm
Glass Insert:	
Focusing:	Coaxial Coarse and Fine Adjustment, Vertical Objective Movement Coarse Stroke 37.7mm per Rotation, Fine Stroke 0.2mm per Rotation
Illumination:	Halogen Lamp 6V/ 30W
Filter:	Diameter 45mm, Blue, Green and Ground Glass

Optional Parts

Objective:	LWD Infinite Plan Objective, 10×/ 0.25, WD 10mm, 10×/ 0.4, WD 5.1mm
Infinite Plan Phase Objective:	PH40×/ 0.65, WD 0.35mm
Centering:	Centering Telescope (Φ30MM)
Phase Annulus:	10×-20×?40× Phase Annulus Plate
Stage:	Attachable Mechanical Stage, X-Y Coaxial Control?Moving Range 120×78mm
Terasaki Holder:	Φ38mm Petri Dish Holder

Additional Features

 **Real-time printing Without a computer**

 SD Card

Power Connection AV output USB Output

Power Connection	12V DC power supply safety and reliability of low pressure
AV output	Easy to view and operation
USB Output	Data transmission is more effective