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# DX41

Routine Laboratory Microscope  
for all laboratory applications

- Patented optical technology provides increased eye-relief and freedom of head movement
- Compact and stable design
- System versatility with a large range of accessories
- Outstanding optical performance

The DX41 offers excellent optical performance with a stable compact design and reduced footprint providing ample bench space for accessories.

Vision Biomed's infinity corrected optics provide outstanding contrast and resolution.

As a system microscope, Vision Biomed's DX41 is particularly well suited to clinical and research microscopy applications. A modular design adds to its versatility with optimised ergonomics making for a more efficient and comfortable microscopy experience, even during extended periods of use.

## Features and Benefits

- The reversed quintuple revolving nosepiece provides unrestricted access to the specimen making it easier to change and mark slides.
- Coaxial bilateral coarse and fine focussing knobs are conveniently positioned with a jog dial fine focus control knob for effortless adjustment.
- An upper limit stop prevents the specimen from colliding with the objectives protecting both from damage. The torque of the coarse focusing is adjustable to suit the operator.
- Large rectangular double layered mechanical stage with low positioned coaxial X and Y controls.



DX41, modular to suit a wide variety of applications.

## Function and Flexibility

- A multi-viewing attachment is available and is ideal for teaching and demonstration, accommodating 2 to 5 observers simultaneously viewing high resolution images. Incorporated LED pointer provides further functionality for instruction.
- Easily configured with a variety of optics and contrast techniques for the clinical laboratory, including fluorescence.



DX41 with multi-viewing attachment.

## Options

### ISIS eyepieces

- Vision Biomed's Expanded-Pupil eyepieces optimise operator performance by increasing eye-relief and freedom of head movement. An exit pupil of 38mm allows for prescription spectacles and safety glasses to be worn. The ISIS eyepieces have a dioptre adjustment and accept measuring graticules.



### Image Recording

- A range of camera adapters, for use with digital and video cameras or advanced image processing software, such as Vision ArchiVE, is available for analysis, reporting and cataloguing of images.



### Illumination

- Köhler Illumination provides bright even illumination of the object field. Standard with a 50W pre-centred Halogen lamp for transmitted light.

## Accessories

### Condensers

- A wide variety of condensers, including a phase turret and choice of darkfield condensers, is available, each providing optimum contrast.

### Fluorescence Observation

- High performance reflected light fluorescence illuminator with a variety of filter modules and an HBO light source.



DX41, with ISIS Expanded-Pupil eyepieces.

## Technical Data

Microscope body	
Focus	Coaxial bilateral coarse and fine adjustment with adjustable limit stop Torque adjustment for coarse focus control
Illuminator	Built in Köhler illumination for transmitted light 12 volt 50W Halogen bulb (pre-centred) Built in variable transformer
Nosepiece	Reverse quintuple nosepiece
Optical system	Infinity optical system

Observation tube	
Interpupillary adjustment	48 to 75mm
Inclination	30° Compensation free trinocular head

Mechanical stage	
Stage dimensions	185 x 142mm
Controls	Low positioned coaxial controls
X & Y movement	75 x 50mm

Condenser	
Swing out achromat (N.A. 0.9/0.25)	

Objectives	
Infinity plan achromat x4, x10, x40 and x100 (Oil)	

Eyepieces	
Widefield high eyepoint x10/F.N 22	



Vision Biomed manufacture a comprehensive range of ergonomic stand-alone routine laboratory microscopes.

## For more information...

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