



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...

Vision Biomed, a division of Vision Engineering Ltd, has a network of offices and technical distributors around the world. Please contact your Vision Engineering branch, local authorised distributor, or visit our website.

Vision Engineering Ltd.
(Manufacturing)
Send Road, Send, Woking,
Surrey, GU23 7ER, England
Tel: +44 (0) 1483 248300
Fax: +44 (0) 1483 223297
Email: generalinfo@visioneng.com

Vision Engineering Inc.
(Manufacturing & Commercial)
570 Danbury Road, New Milford,
CT 06776 USA
Tel: +1 (860) 355 3776
Fax: +1 (860) 355 0712
Email: info@visioneng.com

Vision Engineering Ltd.
(Central Europe)
Anton-Pendele-Str. 3,
D-82275, Emmering, Germany
Tel: +49 (0) 8141 40167-0
Fax: +49 (0) 8141 40167-55
Email: info@visioneng.de

Vision Engineering Ltd.
(France)
1 Rue de Terre Neuve, ZA Courtaboeuf,
91967 Les Ulis Cedex, France
Tel: +33 (0) 164 46 90 82
Fax: +33 (0) 164 46 31 54
Email: info@visioneng.fr

Vision Engineering Ltd.
(Commercial)
Monument House, Monument Way West,
Woking, Surrey, GU21 5EN, England
Tel: +44 (0) 1483 248300
Fax: +44 (0) 1483 248301
Email: generalinfo@visioneng.com

Vision Engineering Inc.
(Commercial West Coast USA)
745 West Taft Avenue, Orange,
CA 92865 USA
Tel: +1 (714) 974 6966
Fax: +1 (714) 974 7266
Email: info@visioneng.com

Nippon Vision Engineering
(Japan)
272-2 Saedo-cho, Tsuduki-ku,
Yokohama-shi, 224-0054, Japan
Tel: +81 (0) 45 935 1117
Fax: +81 (0) 45 935 1177
Email: info@visioneng.jp

Vision Engineering Ltd.
(Italy)
Via Cesare Cantù, 9
20092 Cinisello Balsamo MI, Italy
Tel: +39 02 6129 3518
Fax: +39 02 6129 3526
Email: info@visioneng.it

Distributor

Visit our multi-lingual website:

www.visionbiomed.com