

Microscopy Services Laboratory
UNC-CH Department of Pathology & Laboratory Medicine

Olympus IX70 Inverted Fluorescence Microscope

Manufacturers:

Olympus Corp.
Precision Instruments Division
4 Nevada Drive
Lake Success, NY 11042
www.olympusamerica.com

Ludl Electronic Products Ltd.
171 Brady Avenue
Hawthorne, NY 10532

Vincent Associates, Inc.
1255 University Ave.
Rochester, NY 14607
www.uniblitz.com

Biological Optical Technologies, Inc.
3560 Beck Rd.
Butler, PA 16002
www.bioptechs.com

Improvision Inc.
One Cranberry Hill,
Lexington, MA 02421
www.improvision.com

Apple Computer
20525 Mariani Ave.
Cupertino, CA 95014-6299

Hamamatsu Photonics, K.K.
Hamamatsu City, Japan
www.hamamatsu.com

Description:

The Olympus IX70 is an inverted microscope equipped for bright field, phase contrast, and epi-fluorescence. It is enclosed within an environmental chamber capable of controlling both temperature and relative humidity. It is equipped with a Uniblitz shutter on the epifluorescence system, computer controlled activation of the transmitted light

illuminator, a Bioptechs live cell stage system for live cell imaging, a BioPrecision motorized stage and motorized focus with linear encoders controlled by a LEP MAC5000 controller. Image capture is by a Hamatsu ORCA CCD camera. The system is controlled by an Apple IMAC computer using Improvision's Open Lab software.

Updated October 2007