

SPECIFICATIONS & MORE

HumaScope Light^{LED}

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Human

Diagnostics Worldwide

HumaScope Light^{LED}

Binocular laboratory microscope

Item	Cat.No.	14400
Optical System	Quality	Achromatic optical system, anti fungal treated
	Tubus length	160 mm
Head	Type	Binocular compensation free
	Eye piece	10X / 18 mm
	Field number	18 mm
	Tube inclination	30°
	Rotation	360°
	Interpupillary distance adjust. range	53-75 mm
Focusing /Nose Piece	Focusing	Rack and pinion adjustment Height adjustable Full stroke range: 15 mm Focusing stroke per rotation: 0.4 mm Stroke gradation: 1µm Coaxial coarse/fine focus gear transmission Limit stopper system
	Focal distance	45 mm
	Revolving nose piece	4 position forward
	Objective <small>(Magnification/N.A./ Working distance/ Coverslips)</small>	4 x / 0.1 / 37,38 mm / - 10 x / 0.25 / 6,61 mm / - 40 x / 0.65 / 0.64 mm / 0.17, springloaded 100 x / 1.25 (oil) / 0.194 mm / 0.17, springloaded
	Stage	Size (W X D) 115 X 125 mm
		Movement range 50 mm X-direction X 20 mm Y-direction
		Specimen holder Double slide holder
	Condenser	Type
N.A.		1.25 with oil immersion
Aperture iris diaphragm		Built-in
Illumination	Light source	LED lamp 3.6 V 0.3 W
	Intensity	Adjustable
	Lamp life time	up to 100.000 h
General	Physical dimensions (W X H X D)	285 X 470 X 250 mm
	Weight	Approximately 4.85 kg
	Electrical requirements	External power supply 110...230 VAC, 50/60 Hz or rechargeable batteries 3 x 1.2 V 1800 mAh, running time 30 hours
	Enviromental	Operating temperature: +15 ... 35°C Humidity : 20 ...85 % relative non condensing

Standard Accessories

	<i>Quantity</i>	Cat. No
User Manual	1	14400/1
Filter blue	1	14000/72
Immersion oil (1 Bottle)	1	14000/75
Fuse	1	-----
Dust cover Human	1	-----

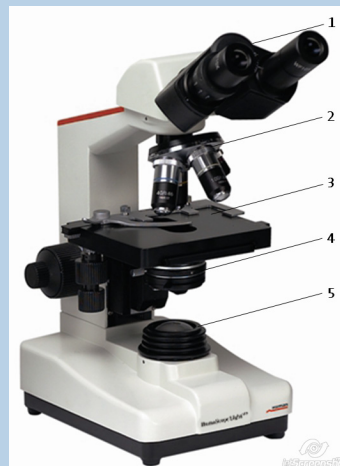
Accessories

	Cat. No.
Eyepiece 16 x 11 mm View Field	14000/19
Eyepiece 20 x 11 mm View Field	14000/20
Eyepiece 10 x 10 mm Micrometer with 100 Division 18 mm View Field	14000/21
Bright Field Abbe Condenser with Iris Diaphragm	14000/50
Dark Field Condensor Dry	14000/52
Dark Field Condensor Oil	14000/53
C-mount Adapter 0.4x for Trinocular Head	14000/54
Simple Polarisation Kit	14000/57
Simple Achromatic Phase Contrast Kit	14000/59
Video Eyepiece Camera (AV)	14000/63
Digital Camera (USB); 5 MP	14000/86
Digital Camera (USB); 10 MP	14000/87
Stage Micrometer 1 mm / 100 division	14000/68
Mirror Set	14000/71
Blue Filter	14000/72
Frosted Filter	14000/73
Green Filter	14000/74
Yellow Filter	14000/81
Complete Base Circuit (Plastic Base + Electronic Parts)	14000/76
Eyepiece Pointer (Need to be ordered with the Microscope)	14000/79
Rubber Eyeguard (Set of 2)	14000/82
Plastic Box Light	14000/84
Monocular Head	14000/10

Consumables

Oil (3 ml Cedarwood oil)	14000/75
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Components



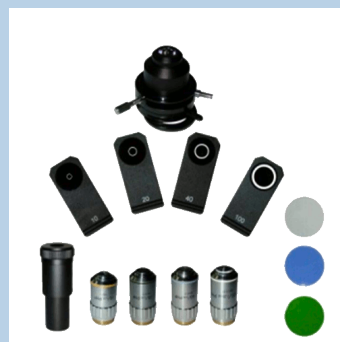
1 = Head

2 = Focussing / Nose Piece

3 = Stage

4 = Condenser

5 = Illumination



Simple Achr. Phase Contrast Kit

Cat.No. 14000/59



Simple Polarisations Kit

Cat.No. 14000/57



Dark Field Condensor Dry

Cat.No. 14000/52



Digital Camera (USB)

Cat.No. 14000/86, 14000/87

