



BS-2045 Biological Microscope





BS-2045B

BS-2045T

Introduction

BS-2045 series microscopes are high quality biological microscopes, which are specially designed for biological and medical research and teaching experiments for colleges, universities, laboratories and related institutes. With infinity color correction optical system and excellent Koehler illumination system, BS-2045 can get uniform illumination, clear and bright images at any magnification. These microscopes can be used for teaching experiments, pathological examinations and clinical diagnosis. With outstanding functions, excellent cost performance, easy and comfortable operation, BS-2045 series microscopes present over expected and splendid micro images.

Feature

- 1. Infinite Color Corrected Optical System provides sharp and comfortable images.
- 2. Wide-field high eye-point eyepieces and plan achromatic objectives make the effect of fluorescence observation more perfect.
- 3. Outstanding appearance design and ergonomics structure design, long time use without feeling tired.
- 4. With the design of security lock and safe limits, it is much more secure, stable and can be kept for long.
- 5. Various microscopic examinations can be fulfilled, such as brightfield, dark-field, phase contrast, fluorescence, simple polarizing and so on.
- 6. LED fluorescence excitation illumination, breaking through the traditional type, is more stable, low radiation and long working life. Special fluorescent filter for tuberculosis examination is available.
- 7. Rackless stage can avoid the potential hazard caused by moving rack.







- 8. Intelligent illumination system.
- (1) With coded nosepiece, the microscope is able to automatically remember the light intensity of each objective which you are used to, it helps to improve the work efficiency and decrease the visual fatigue.
- (2) LCD on the right side of the frame shows color temperature and light intensity, as well as the objective magnification you are using, it is helpful to make record of experiment condition.



(3) Color temperature can be adjusted to get the best contrast, which is ranging from 3000K to 5600K.







5600K natural white LED (maximum)

The color temperature of LED light source is adjustable by straight screwdriver.







Application

BS-2045 series biological microscopes are ideal instruments for biological, pathological, histological, bacterial, immune, pharmacological and genetic fields. They can be widely used in education, medical and sanitary establishments, such as schools, hospitals, clinics, laboratories, medical academies, colleges, universities and related teaching labs and research centers.

Specification

Item	Specification		BS-2045B	BS-2045T
Optical System	Infinite Color Corrected Optical System, parfocal distance 45mm			•
Viewing Head	Seidentopf binocular head, 30° inclined, Interpupillary 50-75mm, 360° rotatable, eyepiece tube: Φ30mm		•	0
	Seidentopf trinocular head, 30° inclined, Interpupillary 50-75mm, 360° rotatable, Fixed light splitting ratio: Eyepiece:Trinocular=8:2, eyepiece tube: Φ30mm		0	•
	Seidentopf trinocular head(dedicated for fluorescence), 30° inclined, Interpupillary 50-75mm, 360° rotatable, Fixed light splitting ratio: Eyepiece:Trinocular=5:5, eyepiece tube: Φ30mm		0	0
Eyepiece	High eyepoint wide field plan eyepiece PL 10×/22mm with adjustable diopter ±5		•	•
	High eyepoint wide field plan eyepiece PL 10×/22mm with adjustable diopter ±5, with eyepiece micrometer		0	0
	Eyepiece pointer		0	0
	Eyepiece micrometer		0	0
Objective	Infinite Plan Achromatic Objectives	2×, NA=0.06, WD=5.00mm (should work with frosted filter)	0	0
		4×, NA=0.10, WD=15.00mm	•	•
		10×, NA=0.25, WD=10.80mm	•	•
		20×, NA=0.45, WD=1.50mm	•	•
		40×(S), NA=0.65, WD=0.80mm	•	•
		60×(S), NA=0.85, WD=0.30mm	0	0
		100×(S, Oil), NA=1.25, WD=0.21mm	•	•
	Infinite Plan Phase Contrast	10×, NA=0.25, WD=10.80mm	0	0





		20×, NA=0.40, WD=1.50mm	0	0
	Objective	40×(S), NA=0.65, WD=0.80mm	0	0
			0	0
		100×(S, Oil), NA=1.25, WD=0.18mm 4×, NA=0.13, WD=16.40mm	0	0
	Infinite Plan Comi			
	Infinite Plan Semi-	10×, NA=0.30, WD=8.10mm	0	0
	Apochromatic Fluorescence	20×, NA=0.50, WD=2.00mm	0	0
	Objectives	40×(S), NA=0.75, WD=0.74mm	0	0
		100×(S, Oil), NA=1.28, WD=0.14mm	0	0
Nosepiece	Reversed Coded Quintuple Nose	•	•	
	Rackless Double Layers Mechanical Stage 150mm×162mm, moving range			
	76mm×50mm, double slide holder, accuracy: 0.1mm, Wear-resistant and anti-		•	•
Stage	corrosion treatment on the stage surface			
	Double Layers Mechanical Stage 150mm×140mm, moving range 76mm×50mm,		0	0
	double slide holder, accuracy: 0.1mm			
	N.A.1.25 Koehler illumination co	ondenser with aperture diaphragm (with plug-in	in	
	phase contrast and dark field plate slot), condenser preset center and height		•	•
	adjustable			
Condenser	N.A.1.25 Kohler Illumination Tur	ntable Phase Contrast Condenser Set for 10X,	0	0
	20X, 40X, 100X Phase Contrast Observation		0	
	N.A.1.25 Kohler Illumination Turntable Phase Contrast + Dark Field Condenser		0	
	Set for 10X, 20X, 40X, 100X Phase Contrast and 4X-40X Dark Field Observation		0	0
Focusing	Low position coaxial focusing sy	stem, moving range 30mm, with upper limit and		_
rocusing	tightness adjustment, fine division 0.002mm			
Transmitted	3W LED (3000K-5600K), light intensity continuously adjustable; LCD on the right			
Illumination	side of the frame to show the color temperature and the objective magnification			•
Mercury Reflected	Mercury reflected fluorescent illuminator with eyes protective plate, 100W			
Illumination	mercury lamp house, power supply box, 100W DC mercury bulb (OSRAM/			0
illumination	Chinese brand)			
	B1 band-pass type fluorescence	module, with intensity adjusting knob, and		
	switch knob for bright field and	fluorescence, central wavelength:470mm	0	0
	G1 band-pass type LED fluoresco	ence module, with intensity adjusting knob, and		
	switch knob for bright field and	fluorescence, central wavelength: 560mm	0	0
	B2 long-pass type fluorescence	module, with intensity adjusting knob, and switch		0
	knob for bright field and fluores	cence, central wavelength:470mm	0	
LED Fluorescent	UV2 ultraviolet long-pass type L	ED module, with intensity adjusting knob, and	0 0	
Reflected Illumination	switch knob for bright field and	fluorescence, central wavelength: 385mm		
	UV4 ultraviolet long-pass type LED module, with intensity adjusting knob, and			
	switch knob for bright field and	fluorescence, central wavelength: 365mm	0	0
	B4 LED fluorescence module de	dicated for TB test, with intensity adjusting knob,		
	and switch knob for bright field	and fluorescence, central wavelength: 455mm	0	0
	Other various LED module for op	otion, which can be custom-tailor according to		
	the needs of clinical diagnosis.	-	0	0
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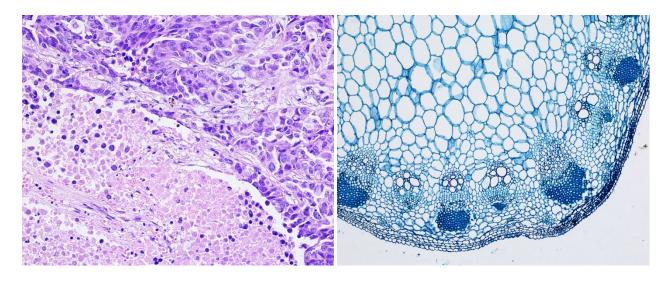




Filters	Blue filter Ф45mm		0
	Green filter Φ45mm		0
	Yellow filter Φ45mm		0
	Neutral filter Ф45mm		0
	Polarizer		0
Polarizing Kit	Analyzer		0
Dark Field Plate	Dark field insert plate (used for 4×-40× objectives)	0	0
Centering Telescope	Centering Telescope Φ30mm (used with phase contrast plate and objective)		0
Phase Contact Plate	10×, 40× Phase Contrast Insert Plate (used for 10×, 40× phase contrast objectives)		0
	20×, 100× Phase Contrast Insert Plate (used for 20×, 100× phase contrast objectives)	0	0
Power Adapter	External power adapter, input 100V-240V, output 15V2.67A	•	•
C-mount Adapter	0.35× C-mount adapter, adjustable		0
	0.5× C-mount adapter, adjustable		0
	0.65× C-mount adapter, adjustable		0
	1× C-mount adapter, adjustable		0
	Trinocular tube for digital eyepiece (Φ23.2mm)	0	0
Packing	1 set/carton, 58x56x28cm, GW: 10kgs, NW: 8kgs	•	•

Note: ● Standard Outfit, O Optional

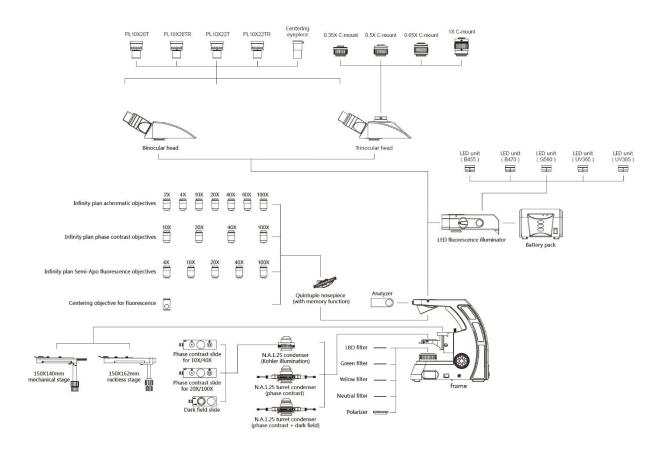
Sample Images



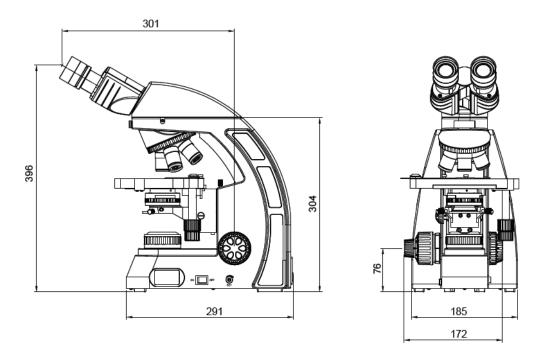




System Diagram



Dimension







ГК Гермес Поставка | Гарантия | Сервис Микроскопы BestScope gkhs.ru

Unit: mm