



GREENBIO300

COMPACT TEACHING EXPERIMENT BIOLOGICAL MICROSCOPE



COMPACT AND DURABLE / ACCURATE AND RELIABLE / SIMPLE AND INTUITIV



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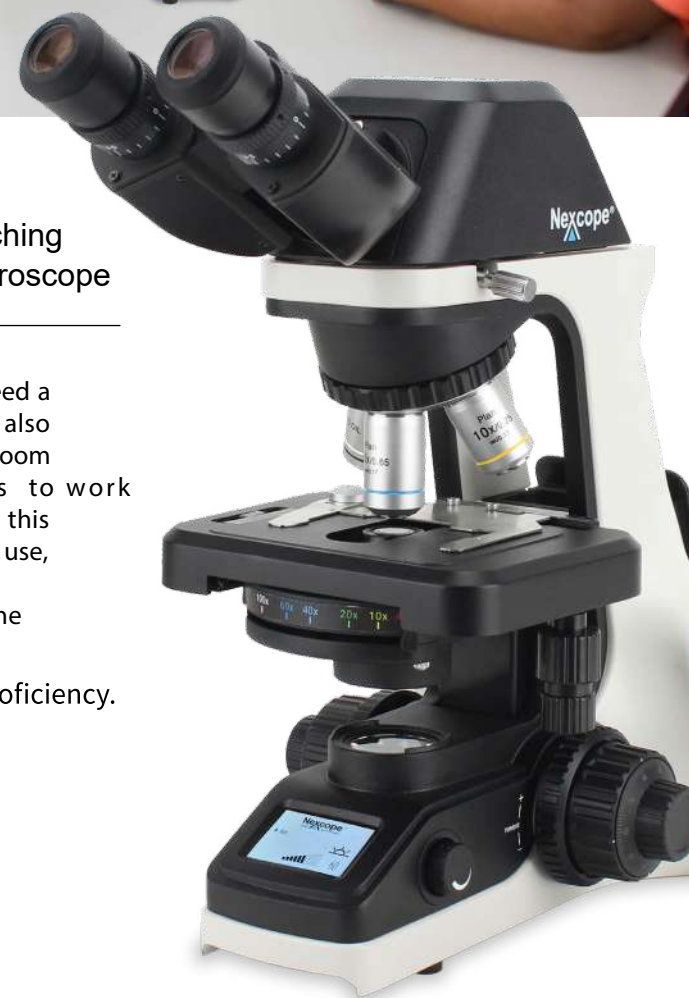




GREENBIO300 Compact teaching biological microscope

In classroom teaching or daily work in laboratory, you need a microscope like GB300, not only compact, durable, but also accurate and reliable. After all, both micro-teaching classroom and inspection scientific research require users to work long time in space-limited operation table. Not only so, this optical microscope is also simple to operate and easy to use, considering the using experience of beginners. With it, students' learning will be more effective, and the

work of the laboratory staff will be also with high proficiency.



COMPACT AND DURABLE

Especially suitable for microscopic digital interactive classroom

Integrated digital head

Optional integrated digital head, same size as normal binocular head, the microscope can be connected to network and build a digital interactive classroom, Micro-morphology interactive teaching by using NOW. Lab system could help to save teaching time. There is no protruding camera interface, so microscope is more concise and the daily maintenance is more convenient.

GREENBIO300 built-in digital head



▼ Old version trinocular head with microscope camera



▼ Old version built-in digital head



Carrying handle and hub device

Equipped with a special carrying handle and lightweight, stable, and stable in structure.

The back of microscope is designed with a hub device to accommodate long power cords effectively, reducing the power cord trip accident during the process of transport. Small size could minimize storage space.



ACCURATE AND RELIABLE

Using for experiments, testing, and scientific research

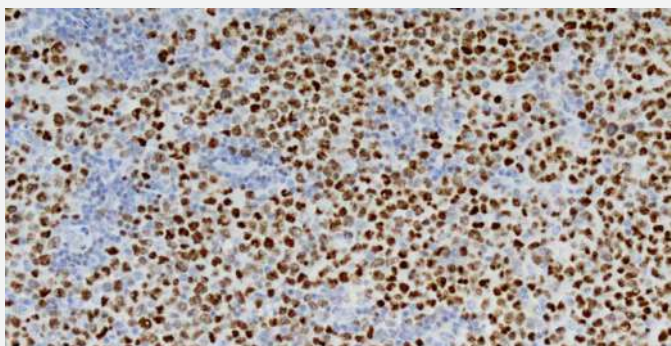
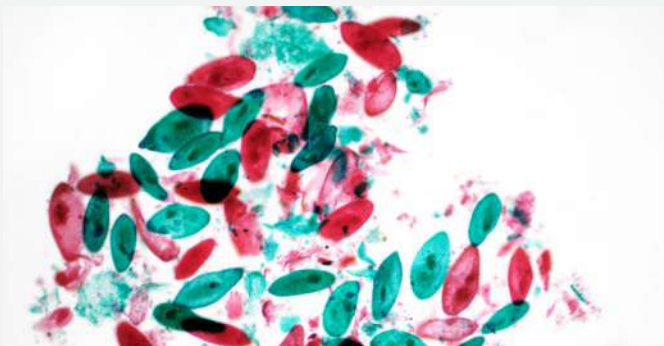
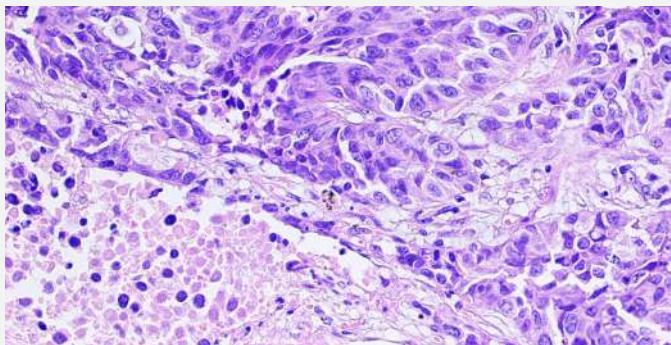
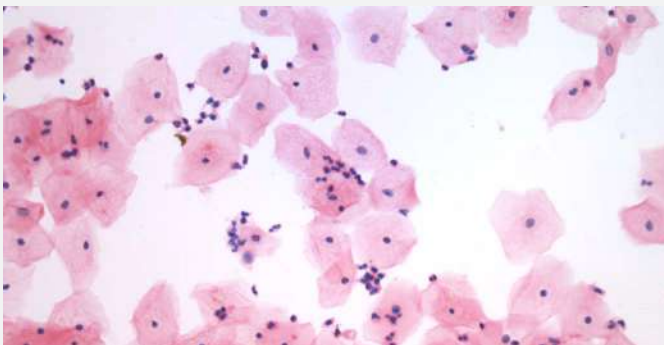
NIS series plan achromatic objective

NIS series plan achromatic objective provide excellent chromatic aberration correction capabilities and flatness of field of view. High numerical aperture and long working distance, High imaging definition and wide- range application. Restore the true color and realize accurate observation for samples.



20mm wide field of view

Equipped with 20mm F.O.V tube and eyepiece, which could browse samples faster and improve work efficiency compared with old model 18mm F.O.V.



SIMPLE AND INTUITIV

Optimize human-computer interaction, strengthen friendliness for beginners

Comfortable and safe focus knob

Low position focus knob design, different areas on the specimen slide can be easily explored while resting your hands on the table, with adjustable torque could improve comfort. GREENBIO300 is equipped with a stopper that can be used to set the upper limit of the stage height, the stage stops at the set height even when the focus knob is turned, thereby eliminating the risk of over-focusing and breaking the slides or damaging the objectives.



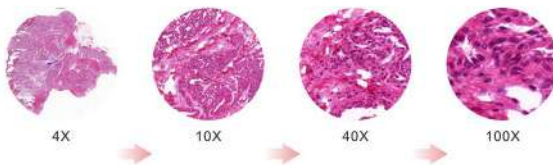
Smart design

Beginners might be hurry-scurry to perform magnification switching, brightness adjustment, color temperature adjustment during microscope observation, GREENBIO300 simplifies these repetitive mechanical operations and display status on the LCD to improve work efficiency and provide comfortable user experience.



Maintains comfortable brightness when switching magnifications

GREENBIO300 features intelligent Light Intesity Management which automatically remembers and sets the light intensity level for each objective, with this function, users can increase comfort and savetime when the routine requires frequent magnification changes.



SYSTEM OVERVIEW



- 1

GB300 microscope
Field of View 20mm;
Quadruple nosepiece;
Microscope status display;
- 2

Eyepiece
10X/20 plan eyepiece, with wider range of observation
- 3

Viewing head
Seidentopf binocular head
Seidentopf trinocular head
Integrated digital viewing head
- 4

Nosepiece
Quadruple nosepiece, provide smooth and seamless operation
- 5

Stage
Rectangular stage, there is no protruding on the left and right side of stage, so the operation could be more smooth and more suitable for beginners
- 6

Condenser
Inserted condenser NA1.25 with adjustable aperture, which could straightly set the best position of aperture diaphragm. Color-coded position guide markings of aperture diaphragm is corresponding to objective magnifications

- 7

Right-hand coarse and fine adjustment
Coaxial coarse and fine adjustment, equipped with focus knob torque adjustment ring, adjust the first wheel torque of coarse and fine adjustment, stress-free operation is suitable for long-time microscope operators.
- 8

Left-hand coarse and fine adjustment
Equipped with stage vertical movement stopper, thereby eliminating the risk of over-focusing and breaking the slides or damaging the objectives.
- 9

Status display
LCD is located at the front of microscope, gently lower the head you can see the microscope status including magnification,brightness,color temperature,stand by status are shown on the Status display.
- 10

Wire wrapping device
Its back board is designed with a hub device, which effectively accommodates excessive long power cords and improves cleanliness of the laboratory. At the same time, it also reduces trip accidents caused by excessive long power cords during transportation.

GREENBIO300 Compact Teaching Experiment Biological Microscope Specifications			
Main body	GREENBIO300 Binocular set	GREENBIO300 Trinocular set	GREENBIO300 Digital set
Optical system	UIS infinity optical system		
Illumination	High luminescent white 3W LED illuminator		
Display	(LCD display magnification, time sleeping,brightness indication and lock,etc.)		
Eyepieces	EW10X/20,With diopter adjustment		
(F.O.V., mm)	Seidentopf binocular tube	Seidentopf trinocular tube	Integrated digital viewing tube
Tubes	Reversed-type quadruple nosepiece(coding)		
Nosepiece	Rectangular mechanical stage 180mm X 130mm, with specimen holder, with vernier calibrations, moving range: 74 mm x 30 mm		
Stage	Plan Achromat 4X Plan Achromat 10X Plan Achromat 40X Plan Achromat 100X		
Objectives	Inserted condenser NA1.25		
Condenser	Brightfield		

