

XSZ-107BN



I. Application

XSZ-107BN of bio-microscope has modern frame and can fit 45°inclined monocular, binocular, trinocular head on it. Double layer mechanical stage with adjustable long handle and coaxial coarse/fine focus knob make the operation easily. It is also provided with high quality achromatic objectives, wide field eyepieces and LED lamp adjustable brightness, which guarantee the best image. It is widely used for examination, teaching demonstration, bacteioscopy and cytoscopy in colleges and university, medical and health establishments, research institutes and department of forestry and agriculture and so on.

II. Specification of Standard Accessories

1. Objectives

Category	Magnification	Numerical aperture	Working distance
Achromatic Objectives(black or white)	4X	0.10	37.5
	10X	0.25	7.316
	40X	0.65	0.632
	100X(oil)	1.25	0.198

2. Eyepieces

Designation	Magnification	Diameter Of The Field Of View	Focal Length
Wide Field	10X	18MM	24.94MM
Wide Field	16X (Optional)	11MM	15.58MM

3. Total magnification

4. Mechanical tube length: 160mm

5. Objective to primary image distance: 195mm

6. Stage size: 140mm X 132mm, moving range: 75 X 45mm

7. ABBE condenser, N.A. =1.25 with iris diaphragm

Objectives Eyepieces Total magnification	4X	10X	40X	100X
10X	40X	100X	400X	1000X
16X (optional)	64X	160X	640X	1600X

8. Coarse/fine focal range: 20mm

9. Illumination: 3W LED with adjustable brightness

10. Net weight: 6 kg

11. Measurement (including viewing head): 262mm(L) X 204mm(W) X 389mm(H)

III. Structure (showed as diagram)

XSZ-107 microscope is composed of nine main component parts:

1. Stand: It's the base bearing total weight of microscope, which built in illumination system, electronic parts and connecting control.
2. Rise and fall support: It connects with stage, arm and condenser. Stage and condenser can move vertically through it for proper operation.
3. Arm: It's the central part connecting the frame and every main component part. It's provided with coaxial coarse/fine focus system, with tension adjustable knob and limited stopper. It guarantees the stage rise and down smoothly.
4. Viewing head: It can fit on 45°inclined monocular, binocular, or trinocular head.
5. Eyepieces: Using WF10X or WF16X (optional) wide field eyepiece.

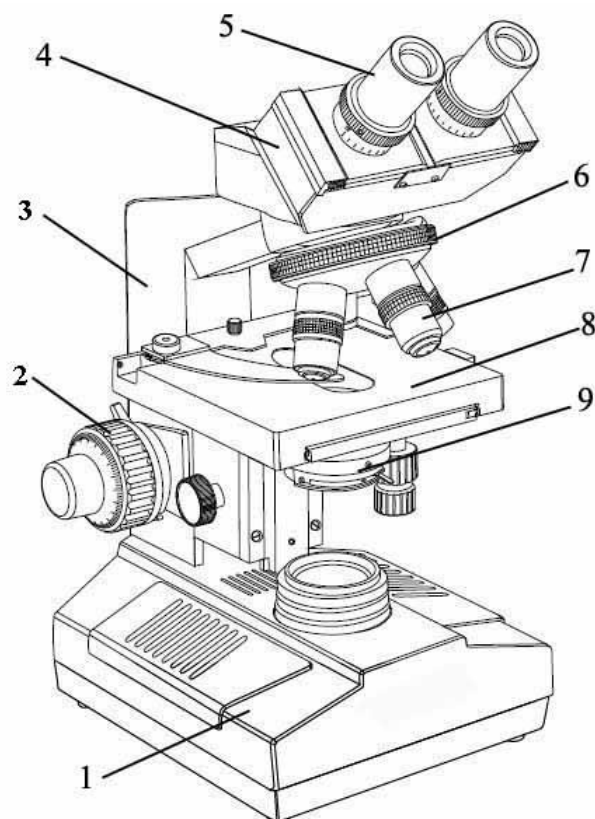
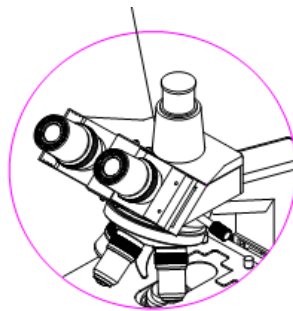
6. Nosepiece: It guarantees comfortable and precise rotation by quadruple revolving nosepiece.

7. Objective: 4X, 10X, 40(S) and 100X(S, Oil) high-quality achromatic objectives make the imaging clearly.

8. Stage: Using double layer mechanical stage, it can be operated much easily by coaxial knob in low position.

9. Condenser: ABBE condenser N.A =1.25 with iris diaphragm.

Trinocular



XSZ-107BN Biological Microscope

1-STAND 2- RISE AND FALL SUPPORT 3- ARM 4-BINOCULAR HEAD
5-EYEPIECE 6-NOSEPIECE 7-OBJECTIVE 8-STAGE 9-CONDENSER

VI. Standard Outfit of XSZ-107BN Biological Microscope

Objective	4X, 10X, 40(S), 100X(S, Oil)	•
Eyepiece	WF10X	•
	WF16X	optional
Viewing Head	Sliding Binocular Head	•
	Sliding Trinocular Head	optional
Nosepiece	Quadruple	•
Stage	Double Layer Mechanical Stage	•
Illumination	3WLED or 6V / 20W Halogen Lamp	•
Condenser	Abbe Condenser N.A=1.25	•

VII. Full Set of the Instrument

1. Mainframe of bio-microscope of XSZ-107BN	1 PC
2. Viewing head	1 PC
3. Objectives: 4X, 10X, 40X(S), 100X(S,O)	1 PC of each
4. Eyepiece WF 10X	1 PAIR
5. 3W LED or 6V/20W halogen lamp	1 PC
6. Fuse BGX1-20 (1.0 A)	1 PC
7. Green filter	1 PC
8. Cedar wood oil	1 BOTTLE
9. Operational manual	1 COPY
10. Power cable	1 PC
11. Dust cover	1 PC
12. Desiccant	1 PACKET
• 13. Eyepiece WF 16X	OPTIONAL
• 14. Plain-concave mirror	OPTIONAL
• 15. Yellow & blue filter	OPTIONAL
• 16. Wooden box	OPTIONAL