

AmScope PB10

AmScope PB10 Prepared and Blank Microscope Slides User Manual

Model: PB10

For use with educational and hobby microscopes.

1. INTRODUCTION

The AmScope PB10 set provides a versatile collection of 10 microscope slides, including both prepared specimens and blank slides. This set is designed for educational purposes, allowing users to observe pre-mounted biological samples and prepare their own specimens for microscopic examination. The prepared slides offer a convenient way to begin observation immediately, while the blank slides encourage hands-on learning and experimentation.

This manual provides essential information for the proper handling, use, and maintenance of your AmScope PB10 slide set to ensure longevity and optimal viewing experiences.

2. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- 5 x Prepared Microscope Slides (various specimens)
- 5 x Blank Microscope Slides
- 1 x Storage Box for Slides

If any items are missing or damaged, please contact AmScope customer support.

3. SETUP

3.1. Unpacking and Inspection

1. Carefully remove the slide set from its packaging.
2. Inspect each slide for cracks, chips, or any damage to the glass or specimen.
3. Ensure the storage box is intact and provides secure housing for the slides.

3.2. Preparing for Use

- Ensure your microscope is clean and ready for use.
- Handle slides by their edges to avoid fingerprints on the viewing area.
- For prepared slides, no additional preparation is needed.
- For blank slides, prepare your specimen according to standard microscopy techniques (e.g., wet mount, dry mount).

4. OPERATING INSTRUCTIONS

4.1. Using Prepared Slides

1. Select a prepared slide from the storage box.
2. Place the slide onto the microscope stage, securing it with the stage clips.
3. Adjust the microscope's focus and illumination to view the specimen clearly.
4. Begin observation with the lowest power objective lens and gradually increase magnification as needed.

4.2. Using Blank Slides

1. Ensure the blank slide is clean and free of dust or smudges.
2. Apply your specimen to the center of the slide.
3. If creating a wet mount, carefully place a coverslip over the specimen at a 45-degree angle to avoid air bubbles.
4. Place the prepared blank slide onto the microscope stage and proceed with observation as described for prepared slides.

5. MAINTENANCE AND CARE

5.1. Cleaning Slides

- For prepared slides, gently wipe the glass surfaces with a soft, lint-free cloth. Avoid touching the specimen area.
- For blank slides, clean with lens paper or a microfiber cloth and a small amount of lens cleaning solution or isopropyl alcohol. Ensure they are completely dry before use or storage.
- Do not use abrasive cleaners or harsh chemicals, as these can damage the glass or specimen.

5.2. Storage

- Always store slides in their provided storage box when not in use.
- Store the box in a cool, dry place away from direct sunlight and extreme temperatures.
- Proper storage prevents dust accumulation, scratches, and damage to the specimens.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Image is blurry or unclear.	Dust or smudges on the slide or microscope lens.	Clean the slide and microscope lenses. Adjust microscope focus.
Air bubbles visible in wet mount.	Improper coverslip placement.	Remake the wet mount, lowering the coverslip slowly at an angle.
Specimen not visible.	Incorrect slide placement or illumination.	Ensure slide is centered on the stage. Adjust light source and diaphragm.
Slide appears scratched.	Improper handling or storage.	Handle slides by edges. Store in protective box. Scratched slides may need replacement.

7. SPECIFICATIONS

- **Model:** PB10
- **Slide Material:** High-quality optical glass
- **Slide Dimensions (approx.):** 25.4mm x 76.2mm (1 inch x 3 inches)
- **Thickness (approx.):** 1.0mm - 1.2mm
- **Quantity:** 10 slides (5 prepared, 5 blank)
- **Intended Use:** Educational, hobby, and home microscopy

8. WARRANTY INFORMATION

AmScope products typically come with a manufacturer's warranty. For specific warranty terms and conditions related to the PB10 slide set, please refer to the warranty card included with your purchase or visit the official AmScope website. Keep your proof of purchase for warranty claims.


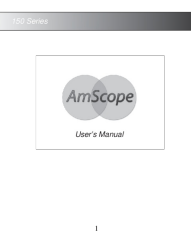
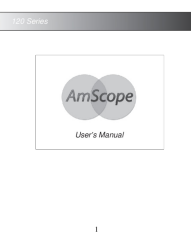
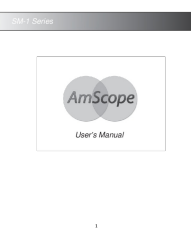
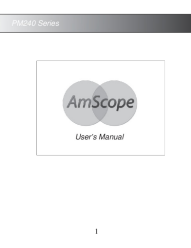
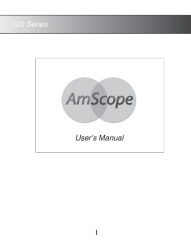
9. CUSTOMER SUPPORT

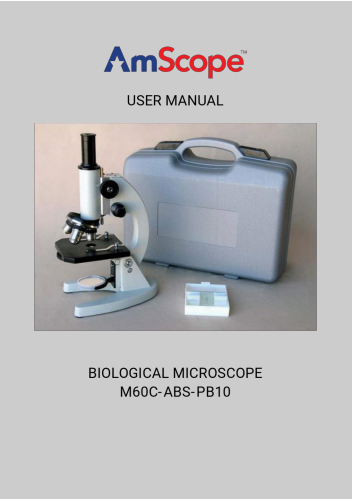
For technical assistance, product inquiries, or warranty claims, please contact AmScope customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your product model (PB10) and purchase details ready.

Website: www.amscope.com (Please check the official website for the most current contact information.)

10. MEDIA INFORMATION

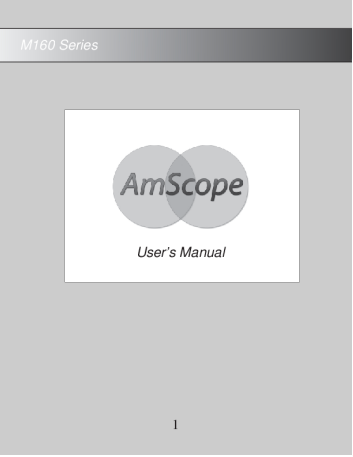
No product images or official videos were provided in the input data for this manual. For visual references, please refer to the product listing on the retailer's website or the manufacturer's official website.

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USER MANUAL BIOLOGICAL MICROSCOPE M60C- ABS-**PB10** Summary: The biological microscope model M60C-ABS-**PB10** includes DIN achromatic objectives and eyepieces. Perfect for use in k-12 education, higher education, hospitals, laboratories, research institutes, and more. Specifications: 1. Eyepiece: Desi...
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