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Hydrofarm AEM30

Hydrofarm Active Eye AEM30 30X Loupe User Manual

Model: AEM30

1. Introduction

The Hydrofarm Active Eye AEM30 30X Loupe is a compact and lightweight magnification tool designed for detailed observation. It features a powerful 30x magnification lens and an integrated super bright LED light to provide optimal illumination for clear viewing. This loupe is ideal for identifying small details such as pests, plant diseases, or fine structures in various specimens, reducing eye strain during prolonged use.
The package includes the loupe, batteries, and a protective case for convenient storage and portability.

2. Package Contents

- Hydrofarm Active Eye AEM30 30X Loupe
- Protective Case
- Batteries (pre-installed or included separately)
- Trilingual Color Chart/User Guide (external document)

3. Setup

3.1 Unpacking

Carefully remove the Hydrofarm Active Eye AEM30 Loupe from its packaging. Inspect the device for any signs of damage. Ensure all listed package contents are present.

3.2 Battery Installation/Check

The loupe is powered by batteries, which are typically included. If the LED light does not function upon first use, or if it dims, battery replacement may be necessary. Refer to the 'Maintenance' section for instructions on replacing batteries.



Image 1: The Hydrofarm Active Eye AEM30 30X Loupe in its unfolded position, showing the magnification lens and the integrated LED light. The loupe is white with a silver-colored hinge and a clear lens.

4. Operating Instructions

4.1 Using the Loupe for Magnification

1. Unfold the loupe from its protective case.
2. Hold the loupe close to your eye.
3. Bring the object you wish to examine close to the lens until it is in focus. The optimal focal distance for a 30x loupe is very short, typically a few millimeters from the lens.

4. Adjust the distance between the loupe and the object slightly to achieve the clearest possible image.

4.2 Activating the LED Light

The Hydrofarm Active Eye AEM30 features an integrated LED light for enhanced visibility. Locate the small switch or button on the side or near the LED light. Press or slide it to turn the light on or off. The LED provides targeted illumination, which is particularly useful in low-light conditions or for examining dark specimens.

5. Maintenance

5.1 Cleaning the Lens

To maintain optimal clarity, keep the lens clean. Use a soft, lint-free cloth, such as a microfiber lens cloth, to gently wipe the lens. For stubborn smudges, a small amount of lens cleaning solution can be applied to the cloth (not directly to the lens).
Avoid using abrasive materials or harsh chemicals, as these can scratch or damage the lens coating.

5.2 Battery Replacement

When the LED light dims or stops working, it's time to replace the batteries. The loupe typically uses small button-cell batteries. To replace:

1. Locate the battery compartment, usually on the side or back of the loupe near the LED light.
2. Use a small screwdriver or a coin to open the compartment cover.
3. Carefully remove the old batteries. Note their orientation (+/-).
4. Insert new batteries, ensuring correct polarity.
5. Close the battery compartment securely.

5.3 Storage

When not in use, store the loupe in its protective case to prevent dust accumulation and scratches to the lens. Keep it in a cool, dry place away from direct sunlight and extreme temperatures.

6. Troubleshooting

6.1 LED Light Not Working

- **Check Batteries:** Ensure batteries are correctly installed and not depleted. Replace if necessary (refer to Section 5.2).
- **Switch Position:** Verify the LED light switch is in the 'ON' position.
- **Contact Support:** If the light still does not work after checking batteries and switch, contact Hydrofarm customer support.

6.2 Image is Blurry or Unclear

- **Adjust Focal Distance:** The 30x magnification requires a very close focal distance. Slowly move the loupe closer to or further from the object until the image is sharp.
- **Clean Lens:** A dirty lens can obscure the view. Clean the lens as described in Section 5.1.
- **Sufficient Lighting:** Ensure there is adequate light on the object, using the built-in LED if necessary.

7. Specifications

Brand	Hydrofarm
Model Number	AEM30
Magnification Strength	30x
Illumination	Integrated LED Light

Power Source	Battery Powered
Color	White
Item Weight	1.6 ounces
UPC	638104009782

8. Warranty and Support

8.1 Manufacturer's Warranty

The Hydrofarm Active Eye AEM30 30X Loupe comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.
The warranty does not cover damage resulting from misuse, accidents, unauthorized modifications, or normal wear and tear.

8.2 Customer Support

For technical assistance, warranty inquiries, or to report any issues with your product, please contact Hydrofarm customer support. Refer to the Hydrofarm official website or product packaging for the most current contact information.

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