

Circle Cover Slide Gizmo

HAMPTON
RESEARCH

Solutions for Crystal Growth

User Guide

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Circle Cover Slide Gizmo Compatibility

The Circle Cover Slide Gizmo is compatible with:

- 22 mm diameter, siliconized circle glass cover slides (0.22 mm thick)

Recommended Circle Glass Cover Slides

HR3-231 - 22 mm x 0.22 mm Siliconized circle cover slides - 1 oz pack (~100 slides)

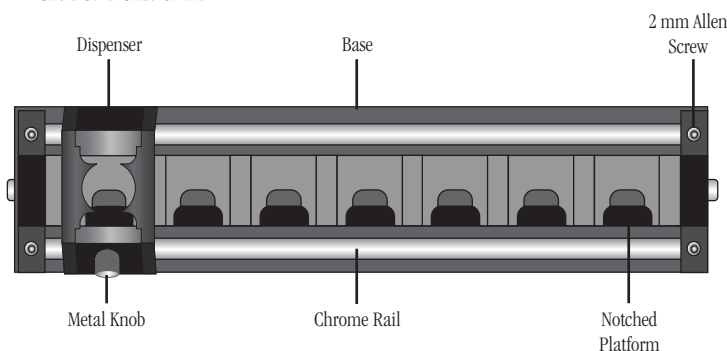
HR3-233 - 22 mm x 0.22 mm Siliconized circle cover slides - 10 oz case (~1,000 slides)

Cover Slide Gizmo Description

The **Dispenser** holds up to 78 22 mm x 0.22 mm plain or siliconized circle cover slides. The dispenser is notched on the front and back side to allow easy finger access when loading and unloading cover slides. The Dispenser moves to the right and left ends of the cover slide Gizmo along two chromed **Rails**. The rails are positioned over the cover slide **Platform**. Each Rail is secured to the Cover Slide Gizmo with 2 mm allen head screws. A top edge of the Platform is notched at each cover slide position to allow finger or forceps access to the cover slides dispensed onto the Platform. The **Base** of the Cover Slide Gizmo has four rubber feet to keep the Cover Slide Gizmo flat and stationary.

Figure 1

Top View of the 22 mm x 0.22 mm Circle Cover Slide Gizmo



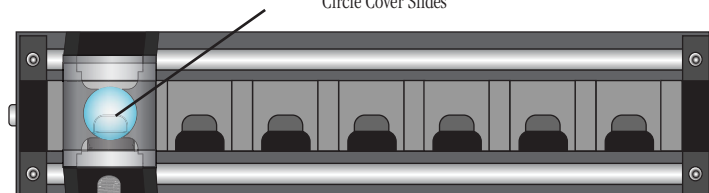
Using the Cover Slide Gizmo

Position the Cover Slide Gizmo such that the finger and forceps access is facing you. Clean any dust or debris from the Cover Slide Gizmo. Position the Dispenser all the way to the left end of the Cover Slide Gizmo, Figure 2. Fill the Dispenser with 22 mm x 0.22 mm circle cover slides. The Dispenser can hold up to 78 cover slides. Be sure no cover slides are positioned on the Platform to the right of the Dispenser.

Figure 2

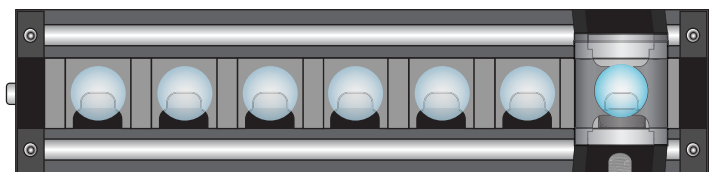
Setting up the Circle Cover Slide Gizmo

1. Fill Dispenser with 22 mm Circle Cover Slides



There are two ways one can dispense the slides on the gizmo. **Gently** grab the knob attached to the Dispenser and slide the Dispenser all the way to the right. Or, Place your thumb and first finger gently onto the front and back top edge of the Dispenser, no need to press down on the Dispenser. Slide the Dispenser all the way to the right end of the Platform until the Dispenser is against the right end stop. Six cover slides will be positioned onto the platform. See Figure 3.

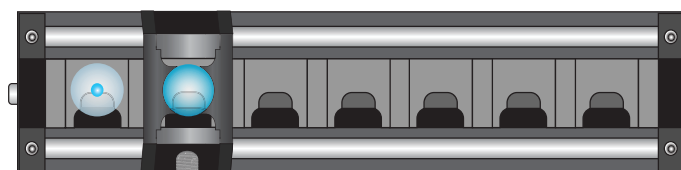
Figure 3



Build your drop. One at a time, two at a time...six at a time, the choice is yours. Building drops one at a time will expose drops to less evaporation than building six drops at a time. To remove slides, one at a time from the Cover Slide Gizmo, gently place your thumb and first finger on opposite sides of the slide, lift and place the cover slide onto the crystallization plate. Or, one can use forceps to gently grasp the cover slide and place the cover slide onto the crystallization plate. Once all of the cover slides are removed from the Platform, to dispense more cover slides, simply move the Dispenser all the way to the left end of the Platform until the Dispenser is against the right end stop. Six cover slides will be positioned onto the Platform.

To dispense a single cover slide, simply move the Dispenser one position on the Platform. Please see Figure 4 below. The black background of the 22 mm x 0.22 mm Circle Cover Slide Gizmo allows one to see if the drop remains clear or contains precipitate during the drop build.

Figure 4



Circle Cover Slide Gizmo

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Cover Slide Gizmo Do's and Don't's

Do use your Cover Slide Gizmo to easily dispense slides.

Do keep your Cover Slide Gizmo clean and happy.

Do feel free to name your Cover Slide Gizmo.

Do **NOT** move the Dispenser over already dispensed cover slides as this may result in damaged cover slides and a Cover Slide Gizmo jam.

Do **NOT** over tighten the four 2 mm allen screws which screws which secure the chrome rails to the Cover Slide Gizmo as this will position the Dispenser too close to the Platform.

Cover Slide Gizmo Maintenance

The Cover Slide Gizmo requires no special maintenance. Keep the Dispenser and Platform free of dust and debris. One can clean the Cover Slide Gizmo with a water soluble general purpose cleaner, or ordinary window cleaner. If the chrome rails become loose, use a 2 mm allen key to very gently turn the allen head screw clockwise until the screw makes contact with the chrome rail. Lubrication of the Cover Slide Gizmo is not needed nor recommended.

Technical Support

Inquiries regarding the Circle Cover Slide Gizmo and general inquiries regarding crystallization are welcome. Please e-mail, fax, or telephone your request to Hampton Research. Fax and e-mail Technical Support are available 24 hours a day. Telephone technical support is available 8:00 a.m. to 4:00 p.m. USA Pacific Standard Time.

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