Delta T Coverslip Weight

If you want to observe cells grown on ordinary coverslips with an upright microscope while using a Delta T, we now have available an accessory for the Delta T dish that accommodates 22mm round coverslips such that they can be used with high N.A. objectives. The Delta T dish provides a convenient, temperature controlled, optical fluid environment. An autoclavable glass spacer ring provides a media filled, parallel surface on which the 22mm round coverslip and coverslip weight is placed. Using this method, you can grow your cells on inexpensive 22mm coverslips then observe them on upright microscopes in a high numeric aperture compatible, temperature controlled, fluid environment with conventional objectives on an upright microscope. Use this method to reduce some of the workload from other live-cell scopes in your facility. This technique provides a cost effective solution for live-cell imaging when combined with a time-lapse camera and upright microscope.

Coverslip Weight Glass Spacer 22mm Coverslip

Coverslip Weight Assembled

Assembly Procedure

Step 1: Plate cells on 22mm coverslip
Step 2: Place a glass spacer into the Delta T Dish with bevel edge face up
Step 3: Fill a dish with media to the top of the glass spacer (inside and outside of spacer)
Step 4: Place a 22mm coverslip with cells facing down on top of the glass spacer
Step 5: Place the coverslip weight on top of the 22mm coverslip and 22mm glass spacer
Step 6: Secure the Delta T dish into stage adapter
Step 7: Observe