Microtiter Stage

Expand Your Imaging Capabilities
The Microtiter Stage provides increased flexibility:

- Image 96 and 384 well plates in x, y and z
- Image slides and dishes with an adapter insert for conventional imaging
- Design a plate scan and define how the wells are to be sampled

Increased Efficiency
Microtiter plates offer several benefits over chambered slides and dishes for large scale lines of investigation:

- More efficient analysis of more experimental conditions at the same time
- Minimizing variability between sample preparations for more consistent results
- Smaller well volume conserves reagents, such as antibodies and cells
- Larger sampling sizes to collect statistically significant amounts of data

Customized Well Scanning
The softWoRx interface guides the user to effortlessly set up plate-based experimentation.

- Microtiter Plate Viewer provides easy plate navigation
- Select combinations of rows, columns or individual wells
- Specify multiple fields of view to image within each well for faster data collection
- Use the Plate Review tool to play back the images collected without opening each individual file

Related Products: Environmental Chamber
Stand Alone Workstation
Stage Specifications

**Microtiter Plate Mode**
- **Absolute Accuracy**: < 10.0 um per 25 mm (X,Y)  
  < 0.6 um per 13 um (Z)
- **Repeatability**: < ± 0.2 um (X,Y)  
  < ± 0.1 um (Z)
- **Step Resolution**: 20 nm (X,Y)  
  5 nm (Z)
- **Maximum Travel**: 106 mm (X) x 70 mm (Y)  
  1 mm (Z)
- **Automation Control**: 3D with multisite visiting within well(s)

**Conventional Imaging Mode**
- **Absolute Accuracy**: < 10.0 um per 25 mm (X,Y)  
  < 0.6 um per 13 um (Z)
- **Repeatability**: < ± 0.2 um (X,Y)  
  < ± 0.1 um (Z)
- **Step Resolution**: 20 nm (X,Y)  
  5 nm (Z)
- **Maximum Travel**: 25 mm (X) x 50 mm (Y)  
  1 mm (Z)
- **Automation Control**: 3D multisite visiting within a sample

Figure 4: Microtiter Plate Review Tool - click on a well to view the fields-of-view collected or press “Play” to display them in order of acquisition

Figure 5: Slide adapter insert - image slides (above) and dishes (below)