

SimulEYE ABiC iTrack

The SimulEYE iTrack model was designed for practicing Ab Interno Canaloplasty with the iTrack device from Ellex. These eyes must be used in conjunction with the MIGS Kit which provides a smooth plate that can be easily tilted to simulate head rotation for visualization of the angle during MIGS procedures.

The Base Unit of the MIGS Kit is reusable and provides a support for the cornea-scleral shells. Attach the shell onto the Base Unit making sure the parts are lined up to create a pressure fit to hold the shell securely during surgical maneuvers.

Be sure to have a smooth, flat working surface to properly secure the Tilt Stand. Position the Base Unit with the shells on top of the Tilt Stand to begin practice. Press down on the base of the suction cup or on the outer ring at the midpoint of the eye to secure the eye in place. Do not press on the cornea or sclera. Place a small amount of water on the suction cup for the best suction. **DO NOT USE BSS.** Tilt the stand to the desired angle using the suction cup riser included with the kit. For disassembly, use the release tabs on the suction cups of the Base Unit and the Tilt Stand. Refer to the MIGS Kit for additional instructions.

Ensure that the SimulEYE model is in the focus range of the microscope. Any platform used must be stable so the surgeon is free to use both hands for surgical maneuvers and will not have to stabilize the eye or the platform.

The SimulEYE iTrack model comes with pre-placed incisions which are located just anterior to the red marks at the limbus. The main incision is indicated by the larger mark and the two side-ports are indicated by the smaller marks. Fill the eye with viscoelastic and place additional viscoelastic on the cornea for use with a gonioscope. Follow the Ellex guidelines to perform the ABiC procedure with the iTrack device. This model is reusable and multiple procedures can be performed on each model before the eye is consumed. Be sure to keep the reusable Base Unit for future practice.

TIPS:

Fill the eye with viscoelastic from distal to proximal to avoid trapping bubbles in the AC. Place viscoelastic on top of the cornea for use with the gonioscope. Zoom in and focus with the microscope to visualize the angle anatomy.

Use the microscope to focus on the incisions when attempting to insert instruments into the eye.

Bubbles in the AC can be easily managed with additional viscoelastic agent placed distal to the bubbles to move them out of the eye through the incision.

Use water on the suction cups to improve suction. DO NOT USE BSS.

REUSABLE:

The SimulEYE iTrack eyes are reusable. The viscoelastic can be left in the eye if it will be used on consecutive days. If the eye is to be stored for later use, the viscoelastic should be removed. The eyes can be rinsed under warm water to remove any viscoelastic or debris from the outside. A small syringe (3cc or 5cc) with a 27g (or similar) cannula can be used to wash out the viscoelastic from inside the eye. Gentle pressure on the cornea can help to burp out the gel before flushing it with water and also to remove any residual water from the eye after rinsing to allow it to dry.