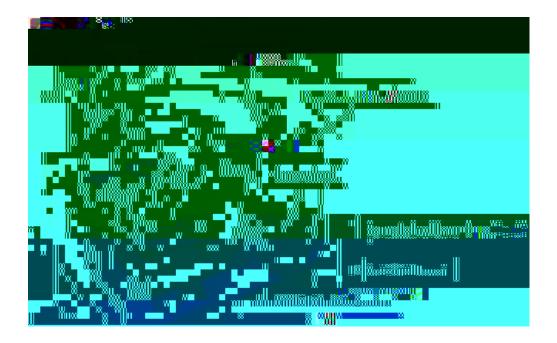
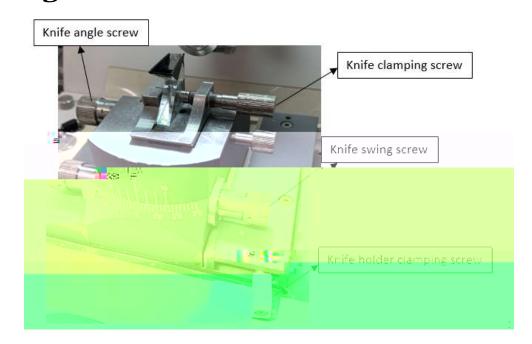
UsingReeichert-LingUltracut EUltramicatome to cut semithin section and ultrathin section

1. Rtatimedblockintothesampleholderandcamps le on



5 Rtagasordanondkrifeonthekrifeholderandsecuelytightenthe krifebykrifedampinglever.

6 Malesuetheknifeangleis 6. If not, adjust the knife angle to 6 by knife anglescuew

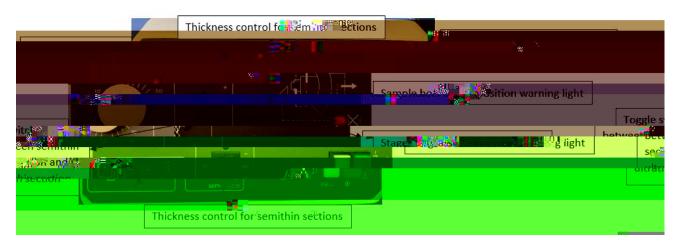


- 7 Bingtheknifeholderstagetowithinseveral millineter of the blockfield in the specimenam by locking from the side of the ultranic ot one
- 8 Lockthoughtheniaotoneniaoscopeardinject waterinto the krife boat, adjust the water level until a minor like area on the water suface can be seen behind the krife edge and the krife edge is completely wet.
- 9 Use the handwheel (on the night side) to bring the speciment of the same level as the knife edge.
- 10 Caefullymove the B! nd intot

2) Rotate the sample block by sample holder rotating screwurtil the bottom of the block face parallel to the knife edge.

4) Tilt the sample block face up or down by the sample holder tilting so every tomake the knife edge reflection on the top of the block face is equal to

- 12 Slovlymove forward the knife (using knife coarse advance kndb) until the knife edge reflection just disappear.
- 13 Set atting window tum the handwheel so the sample is an the forward atting stude. Lift the control lever (an the night side of the microtome). Tum the handwheel until it stops. The num the tight feel handwheel up and wn until the top edge of the block face is just below the knife edge Lover the control lever to its original position.
- 14 Toat senithinsections, set atting speed at 2mm/sec by atting speed kncb, press down the toggle switch for semithin and ultrathin to select semithin section thickness control, select semithin section thickness (eg 05m).



15Depress the control lever; microtome will automatically start to cut. When the first complete section is cut, continue cutting 4 10 sections 16 To begin cut ultrathin sections, retract the knifestage away from the block face, then move the knifestage laterally to a fresh and sharp knife edge and reapproach the block face as instep 11. Makesure the water level in the knife is encughas described in step 8