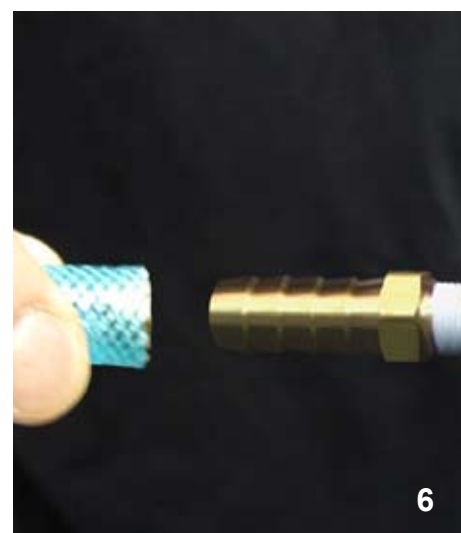
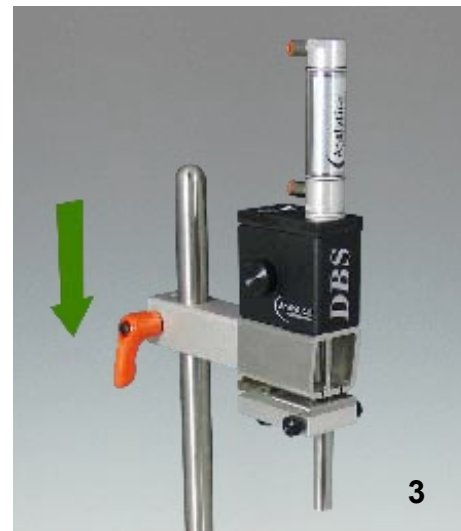
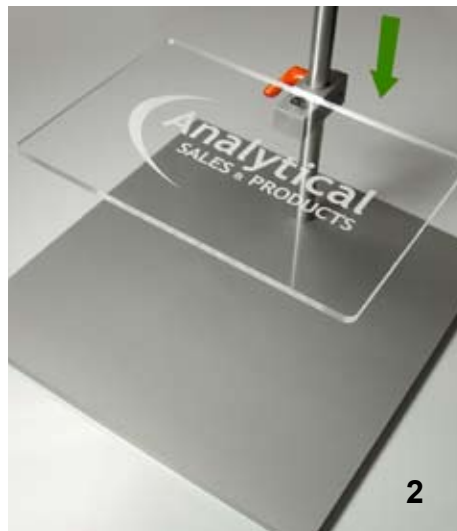
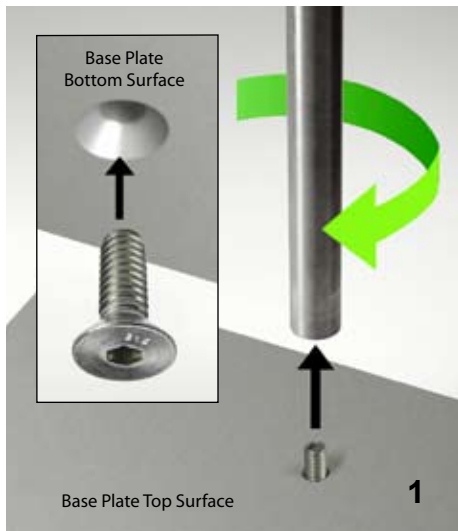




DBS

Assembly & Operation Manual

Assembly (see back for parts list)



1. Attach the Stand Rod to the Base Plate. Start by inserting the Stand Rod Screw through the beveled hole in the Base Plate. The screw head should be counter-sunk and flush with the Base Plate bottom surface. Thread the Stand Rod onto the Stand Rod Screw and tighten with a hex wrench.
2. Slide the Adjustable Acrylic Shelf onto the Stand Rod. Let the Shelf rest on the Base Plate for now - you will adjust and tighten it later.
3. Slide the Punch Pod onto the Stand Rod. Set it to your desired height and tighten with the orange handle.
4. Connect the air hose from the Foot Pedal to the Punch Pod. Start by threading the small black "double" hose upward through the white hose brackets located on the on the side of the Stand Rod (one is attached to the Adjustable Acrylic Shelf mount and one is attached to the Punch Pod mount).
5. You will notice that the ends of this hose are cut to different lengths. Insert the longer end into the top connector and the shorter end into the bottom connector.
5. Connect the large air hose of the Foot Pedal to your air supply. Make sure your air supply is set to 110psi (\pm 5psi).
6. Adjust the height of the Acrylic Shelf and tighten with the orange handle. Remember to leave enough room for your collection plate (optimal distance between collection plate surface and pipette tip is about 1/8").

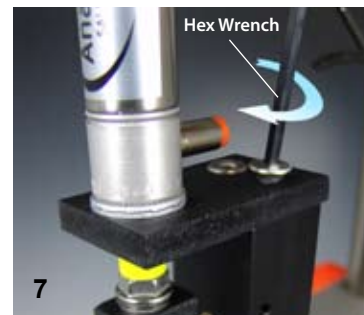
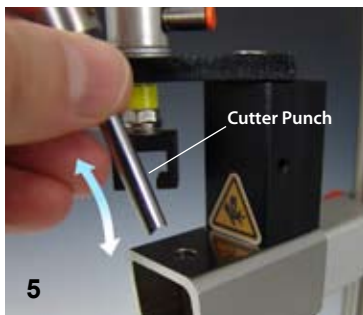
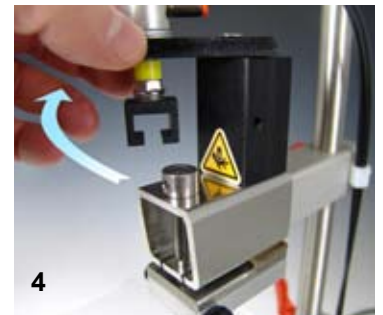
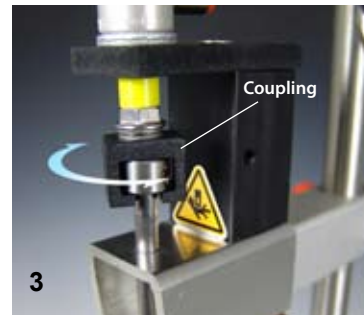
You are now ready to operate your DBS.

Operation



1. Place a collection plate on the Adjustable Shelf, and line up the target well under the chute.
2. Insert your dried blood spot sample card into the slot on the front of the Punch Pod. Align the target area on the card with the punch head.
3. Using your foot, press down on the Foot Pedal firmly and completely. Take your foot completely off the foot pedal to reset before your next punch.

Cutter Replacement



CAUTION: To avoid possible injury or damage to the punch unit, **DISCONNECT AIR SUPPLY** and **REMOVE SUPPLY LINES** from **CYLINDER HEAD** before proceeding.

1. Remove the black housing that covers the cutter mechanism. Start by removing the two black thumb screws on either side of the housing/punch pod unit. Once the bolts are removed, the housing easily slides off.
2. Using a 1/8" hex wrench (provided), loosen and remove one of the screws on top of the punch pod. Loosen the other screw but do not remove.
3. If needed, rotate the cutter coupling so the openings on either side of the coupling are facing the sides of the punch pod.
4. Swing the punch cylinder and coupling away from the cutter punch.
5. Remove the cutter punch by pulling it up and out of the pod mount. Insert a new cutter punch in its place. This is a tight fit, but does not require any force. **DO NOT FORCE.**
6. Grasp the new cutter punch with one hand and hold it elevated at about 1/2" above the surface of the pod mount. Using your other hand, swing the punch cylinder and coupling back into place so that the cutter punch is inserted into the coupling.
7. Alternately tighten each screw on top of the punch pod while manually moving the punch through its travel. Make small adjustments to the alignment and ensure the cutter punch moves freely and without binding. Make sure the coupling is centered around the cutter punch.
8. Replace the black housing, and tighten the two black thumb screws on both sides. You are now ready to resume operation.

Parts



1. Base Plate
2. Stand Rod
3. Stand Rod Screw
4. Adjustable Shelf
5. Punch Pod
6. Foot Pedal with Air Hoses

Air pressure requirement: 110 psi