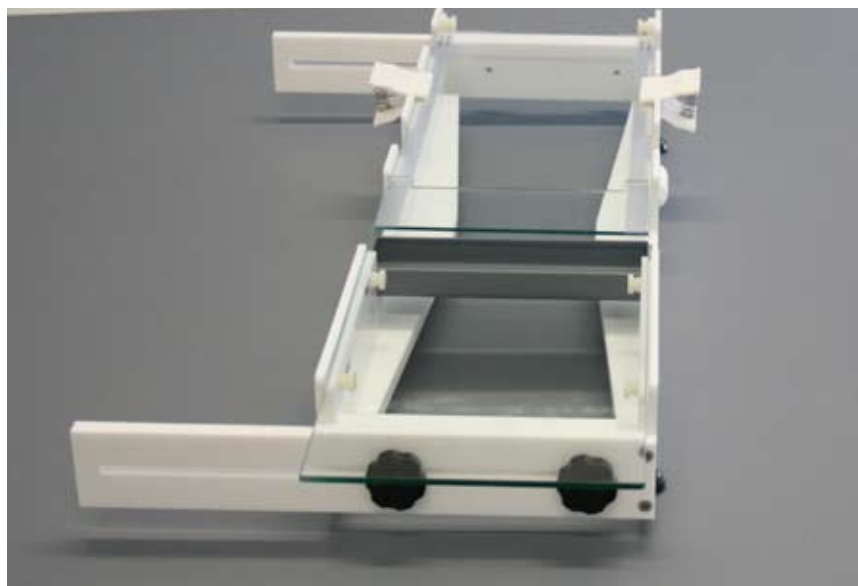


# INSTRUCTION MANUAL

## **Gel Slider**

**GSL-1001**



# Gel Slider Instructions

## A. Unpacking

Please verify that your Gel Slider comes complete with the following:

- 2 side panels EACH with the following components:
  - a) 2 black leveling feet (4 total)
  - b) 1 attached adjustment panels marked with 1/8" and 3/16" held in place with 2 white thumb screws (2 total)
  - c) glass plate stop with nylon thumb screw (2 total)
- 2 slotted end assemblies each with 2 black thumb screws (4 total)
- 8 ea flathead screws
- 8ea white spring clamps
- Bubble level

## B. Assembly

1. Place on level surface
2. Using a phillip's head screwdriver screw cross bars into side panels with the 8 flathead screws as shown in figure 1.

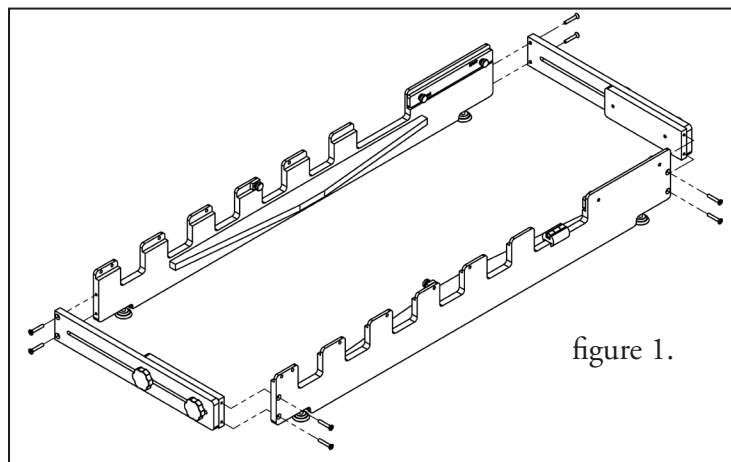


figure 1.

## C. Set-up of Unit for Sequencing Gel Casting

1. Side panels with black numbers depicting back plate thickness must be screwed in so either the 1/8" or 3/16" arrow points up. (in photo at right the correct position for a back plate width of 1/8" is shown.). This important step assures there is the proper offset on your glass plate assembly for optimal gel casting. (Note: Gel Slider is shipped in the 3/16" position). If your back glass plate thickness is 1/8", unscrew white thumb screws and place 1/8" arrow pointing up and re-tighten screws (as shown by red arrow). If your back glass plate is 3/16" unscrew white thumb screws and place 3/16" arrow pointing up.
2. Level Gel Slider by using level provided and adjusting leveling feet.



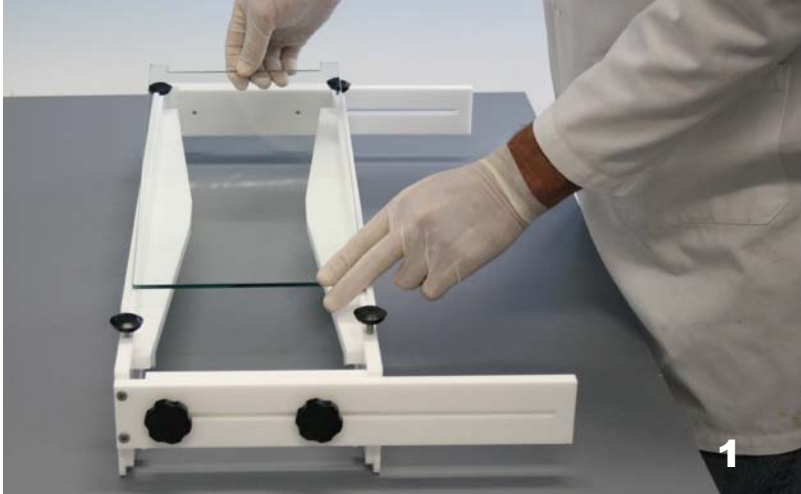
## D. Maintenance

1. Keep Gel Slider clean by rinsing with de-ionized water.

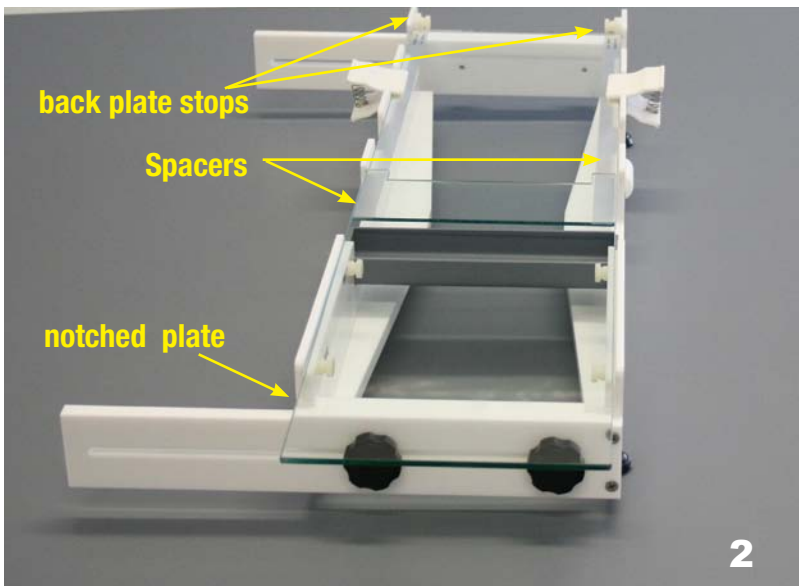
## PREPARATION AND POURING OF SEQUENCING GELS USING THE GEL SLIDER™

### Advance preparation:

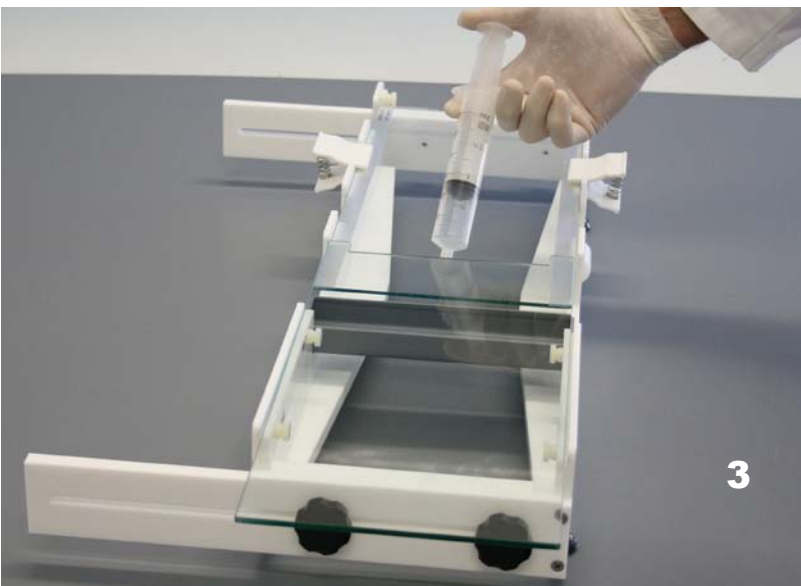
Prepare solutions, level Gel Slider, pre-coat notched glass plate, and make sure you have completed step number C-1 (page 1 of these instructions), so that side adjustment panels are correct according to the thickness of your back glass plate (either 1/8" thick or 3/16" thick).



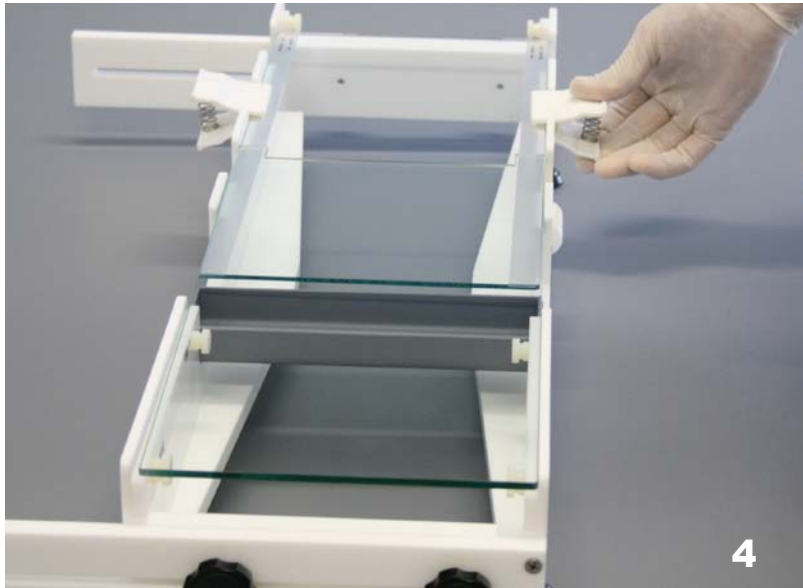
Step 1. Adjust width of Gel Slider by turning over and placing glass plate into recessed area in bottom of side panels as shown in photo 1. Adjust width by loosening black thumb screws and allowing side panels to increase or decrease width of unit until plate fits snugly.



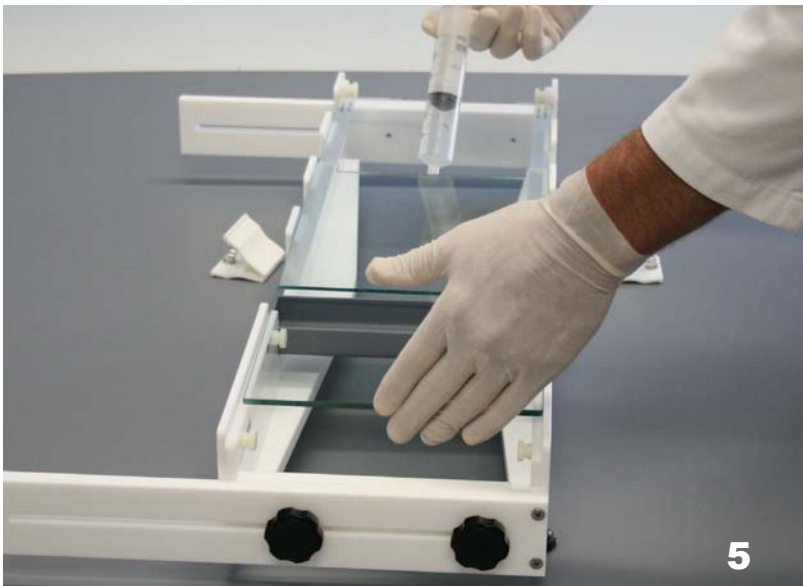
Step 2. Place back glass plate onto Gel Slider up against back plate stops. Glass plate stops are factory installed at the 42cm position. The stops can be moved to 22cm and 32cm position if casting shorter gels. Position spacers and clamp to back glass plate as shown. Place notched plate (coated side down) at bottom of back plate, as shown in photo2.



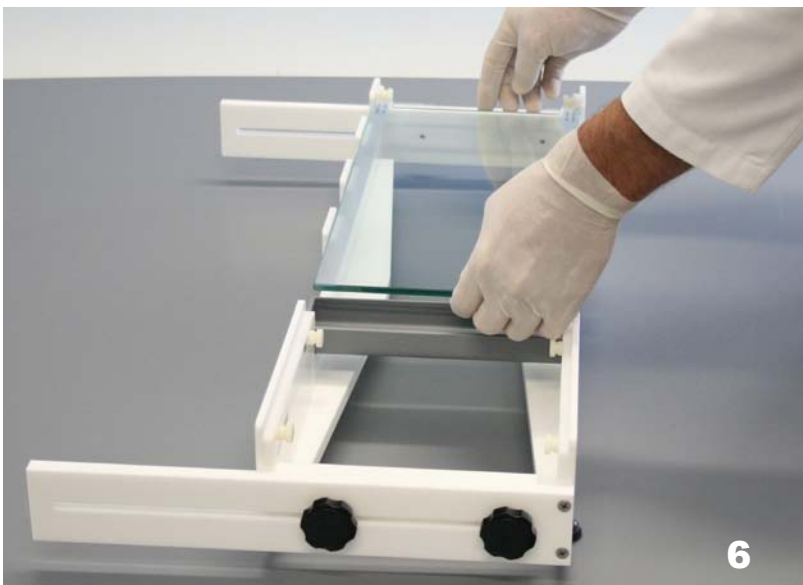
Step 3. Add catalyst to acrylamide solution and fill syringe. Start casting by filling overlapping area between plates and beginning to slide top plate. Elapsed time: 2:03 minutes.



Step 4. Remove clamps as you slide notched plate over stationary bottom plate.

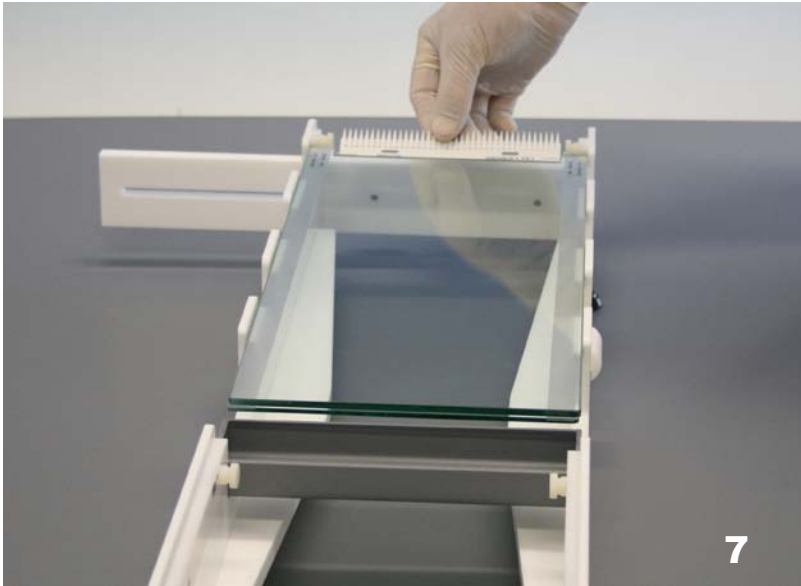


Step 5. Continue to add gel solution as you slide top glass plate

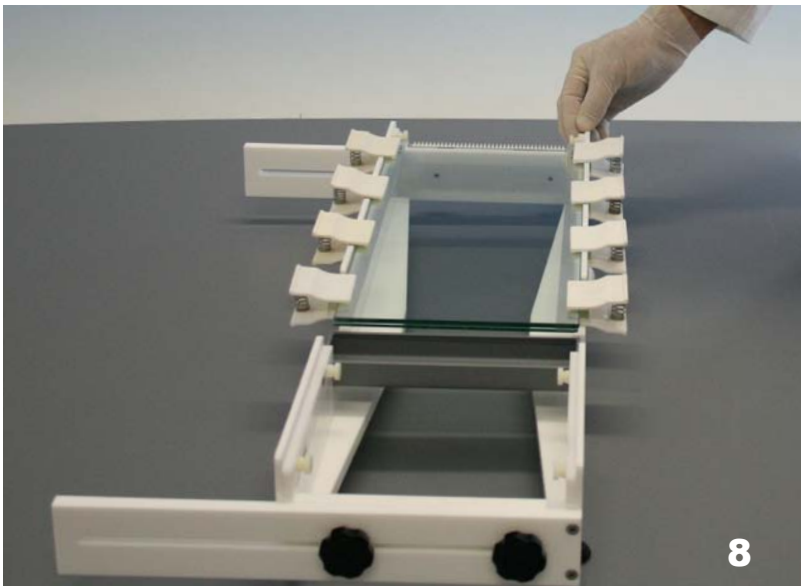


Step 6. Feel edges of glass plates to make sure they are flush.

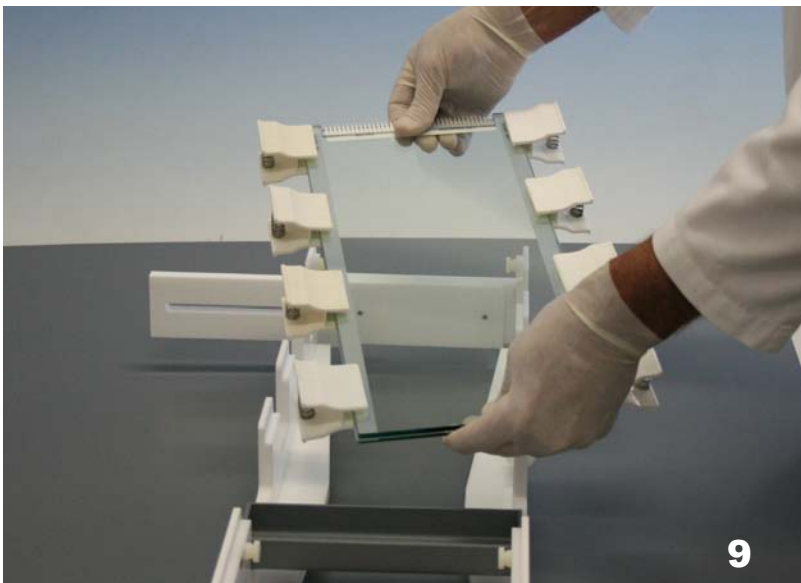
Step 7. Insert comb.



Step 8. Clamp gel plate sandwich as shown. Elapsed time: 5:01 minutes. Allow gel to polymerize.



Step 9. After gel polymerization, lift out of apparatus and rinse. Gel casting is complete.



# Exploded Diagram

HARDWARE TABLE		
NO.	QTY	DISCRIPTION
1	4	1/4-20 X 1" ADJUSTABLE FOOT
2	8	10-24 X 1" FLAT HEAD SCREW
3	4	1/4-20 X 1" NYLON THUMBSCREW
4	6	1/4-20 X 7/16" NYLON THUMBSCREW

