

Vertical Gel Casting Using Gel Wrap™ Gasket

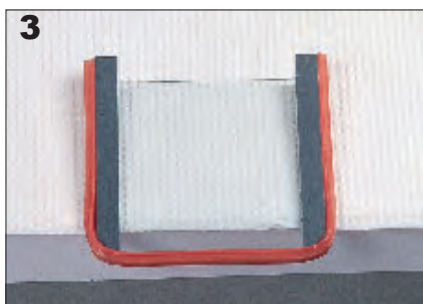
Start gel casting procedure by holding the 3mm thick, notched back plate with the rounded bottom corners and applying the gasket around one side of the glass plate. Note: one side of the "U" shaped gasket is flat, and the other side has tubing that will act as a seal around the spacers.



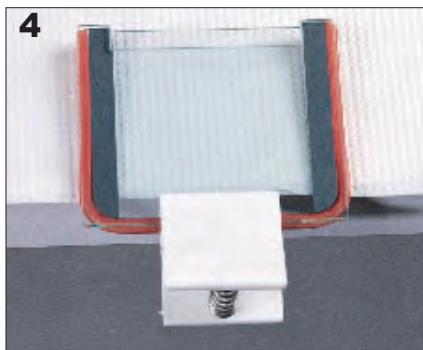
When applying the gasket over the rounded corners of the notched glass plate, make sure the cuts on the gasket align with the rounded corners of the glass plate. Once the gasket is pushed over the bottom edge and corners, work it down the remaining side.



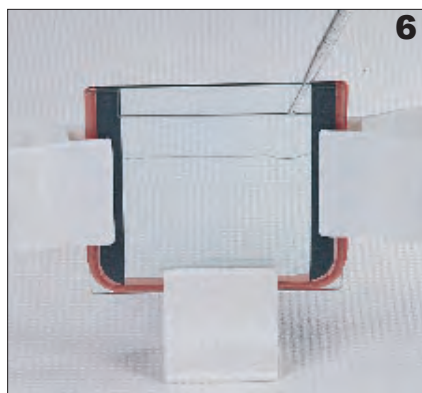
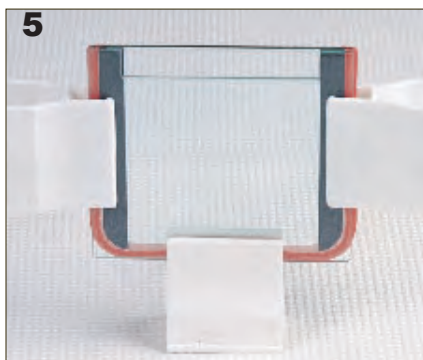
Place the gasketed plate on the lab bench with the tubing side up, and extend the bottom of the plate over the edge of the bench, approximately 3/4 of an inch. Place the spacers along side the inside edges of the gasket as shown in close-up photo. Be sure the rounded corner end of each spacer is facing the outside bottom of the plate, following the radius of the glass.



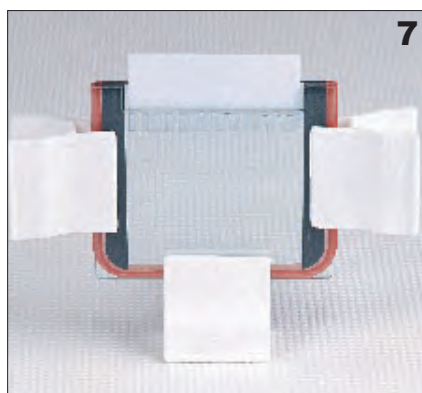
Place the thinner unnotched back plate on top of the bottom assembly, starting from the bottom edge and gently easing the plate down. Verify the gasket is smooth around the edges and then clamp along the bottom.



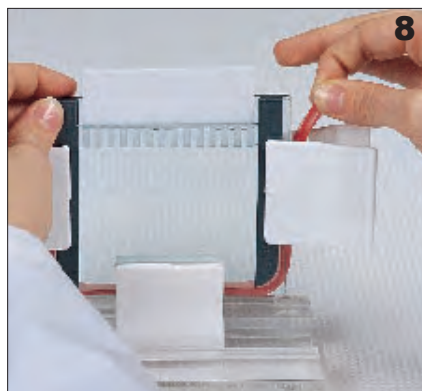
Lift the assembly and stand it on the base of the clamp. For leveling, push glass plate assembly down until it stops against clamp body. Clamp the sides of the assembly with additional casting clamps on either side. As each clamp is attached, be sure the gasket is aligned between the plates forming a seal.



Apply PAGE solution to gel plate sandwich using a syringe or pipette.



Insert comb. Allow gel to set, usually 20 minutes. Extra gel solution in pipette or syringe can be monitored to test polymerization of gel mix.



Disassembly: Hold the clamped plate assembly with one hand. Remove the gasket by starting at one of the top ends and pulling up and out on the gasket until it releases from the plate, up to the bottom of each of the white clamps. When each clamp is reached **DO NOT** remove it, instead feed the gasket down through the clamp body and repeat pulling up and out. Remove comb.



Continue feeding until the gasket is fully detached. Once gasket is removed, detach clamps.